HEALPix: A Framework for Highâ€Resolution Discretiz Distributed on the Sphere

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Citation Report

#	Article	IF	CITATIONS
1	Characteristic classes and transfer relations in cobordism. Russian Mathematical Surveys, 2001, 56, 572-574.	0.6	0
2	The \$ A_infty\$-structures and differentials of the Adams spectral sequence. Izvestiya Mathematics, 2002, 66, 1057-1086.	0.6	O
3	Multifrequency parametric resonance in a non-linear wave equation. Izvestiya Mathematics, 2002, 66, 1131-1145.	0.6	2
4	Introduction to the special section on environmental physics. European Journal of Physics, 2003, 24, .	0.6	O
5	Hadamard decompositions of semisimple associative algebras. Russian Mathematical Surveys, 2003, 58, 789-790.	0.6	1
6	Physics teacher training and research in physics education: results of an inquiry by the European Physical Society. European Journal of Physics, 2003, 24, 131-147.	0.6	7
7	Madam- a map-making method for CMB experiments. Monthly Notices of the Royal Astronomical Society, 2005, 360, 390-400.	4.4	52
8	Error analysis of quadratic power spectrum estimates for cosmic microwave background polarization: sampling covariance. Monthly Notices of the Royal Astronomical Society, 2005, 360, 509-532.	4.4	67
9	Cosmic microwave background, accelerating universe and inhomogeneous cosmology. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 012-012.	5.4	78
10	Did the Wilkinson Microwave Anisotropy Probe see moving local structures?. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 004-004.	5.4	28
11	Detectability of tensor modes in the presence of foregrounds. Physical Review D, 2005, 72, .	4.7	30
12	On symplectic coverings of the projective plane. Izvestiya Mathematics, 2005, 69, 667-701.	0.6	5
13	Evidence of Vorticity and Shear at Large Angular Scales in the WMAP Data: A Violation of Cosmological Isotropy?. Astrophysical Journal, 2005, 629, L1-L4.	4.5	245
14	Lensed CMB simulation and parameter estimation. Physical Review D, 2005, 71, .	4.7	124
15	Spontaneous isotropy breaking: A mechanism for CMB multipole alignments. Physical Review D, 2005, 72, .	4.7	171
16	Cosmological Parameters from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 799-812.	4.5	159
17	B-mode contamination by synchrotron emission from 3-yr Wilkinson Microwave Anisotropy Probe data. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 373, L93-L97.	3.3	7
18	What can be learned from the lensed cosmic microwave background B-mode polarization power spectrum?. Physical Review D, 2006, 73, .	4.7	36

#	Article	IF	CITATIONS
19	Alignment tests for low CMB multipoles. Physical Review D, 2006, 74, .	4.7	58
20	Cosmic microwave background multipole alignments in slab topologies. Physical Review D, 2006, 73, .	4.7	26
21	CMB statistical anisotropy, multipole vectors, and the influence of the dipole. Physical Review D, 2006, 74, .	4.7	18
22	On the cosmic microwave background large-scale angular correlations. Astronomy and Astrophysics, 2006, 454, 409-414.	5.1	53
23	A simulation pipeline for the Planck mission. Astronomy and Astrophysics, 2006, 445, 373-373.	5.1	56
24	A multifrequency angular power spectrum analysis of the Leiden polarization surveys. Astronomy and Astrophysics, 2006, 457, 1-14.	5.1	7
25	Zodiacal light emission in the PLANCK mission. Astronomy and Astrophysics, 2006, 452, 685-700.	5.1	14
26	A Measurement of the Polarizationâ€Temperature Angular Crossâ€Power Spectrum of the Cosmic Microwave Background from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 833-839.	4.5	123
27	Comparison of map-making algorithms for CMB experiments. Astronomy and Astrophysics, 2006, 449, 1311-1322.	5.1	30
28	The HiiRegion of the First Star. Astrophysical Journal, 2006, 639, 621-632.	4.5	192
29	Point-Source Power in 3 Year Wilkinson Microwave Anisotropy Probe Data. Astrophysical Journal, 2006, 651, L81-L84.	4.5	35
30	The Thermal Sunyaev-Zel'dovich Signature of Baryons in the Local Universe. Astrophysical Journal, 2006, 652, L1-L4.	4.5	27
31	The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. Astrophysical Journal, 2006, 644, L153-L158.	4.5	55
32	A Measurement of the CMB 〈EE〉 Spectrum from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 813-822.	4.5	217
33	Cosmic Microwave Background Component Separation by Parameter Estimation. Astrophysical Journal, 2006, 641, 665-682.	4.5	98
34	Fast and Efficient Template Fitting of Deterministic Anisotropic Cosmological Models Applied toWMAPData. Astrophysical Journal, 2006, 643, 616-629.	4.5	64
35	Constraining Primordial Non-Gaussianities from the WMAP2 2-1 Cumulant Correlator Power Spectrum. Astrophysical Journal, 2006, 647, L87-L90.	4.5	20
36	Diffuse Far-Ultraviolet Observations of the Lupus Loop Region. Astrophysical Journal, 2006, 644, L189-L192.	4.5	9

#	ARTICLE	IF	CITATIONS
37	A Cross-Correlation Analysis of WMAP and EGRET Data in Wavelet Space. Astrophysical Journal, 2006, 636, L1-L4.	4.5	8
38	A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 823-832.	4.5	186
39	Fast Directional Correlation on the Sphere with Steerable Filters. Astrophysical Journal, 2006, 652, 820-832.	4.5	47
40	Foreground Subtraction of Cosmic Microwave Background Maps Using Wlâ€FIT (Waveletâ€Based) Tj ETQq1 1 C).784314 r 4.5	gBŢ/Overloc
41	Tomography of the Reionization Epoch with Multifrequency CMB Observations. Astrophysical Journal, 2006, 653, 1-10.	4.5	11
42	On the Viability of Bianchi Type VIIhModels with Dark Energy. Astrophysical Journal, 2006, 644, 701-708.	4.5	62
43	Bianchi type VIIh models and the WMAP 3-year data. Astronomy and Astrophysics, 2006, 460, 393-396.	5.1	69
44	A high-significance detection of non-Gaussianity in the WMAP 3-yr data using directional spherical wavelets. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 371, L50-L54.	3.3	56
45	Non-Gaussianity in the Wilkinson Microwave Anisotropy Probedata using the peak-peak correlation function. Monthly Notices of the Royal Astronomical Society, 2006, 365, 265-275.	4.4	30
46	Cross-correlation of the cosmic microwave background and radio galaxies in real, harmonic and wavelet spaces: detection of the integrated Sachs-Wolfe effect and dark energy constraints. Monthly Notices of the Royal Astronomical Society, 2006, 365, 891-901.	4.4	107
47	On the large-angle anomalies of the microwave sky. Monthly Notices of the Royal Astronomical Society, 2006, 367, 79-102.	4.4	226
48	The non-Gaussian cold spot in Wilkinsonâ€∫Microwaveâ€∫Anisotropyâ€∫Probe: significance, morphology and foreground contribution. Monthly Notices of the Royal Astronomical Society, 2006, 369, 57-67.	4.4	145
49	Non-Gaussianity detections in the Bianchi VIIh corrected WMAP one-year data made with directional spherical wavelets. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1858-1868.	4.4	28
50	Observations of the cosmic microwave background and galactic foregrounds at 12-17-GHz with the COSMOSOMAS experiment. Monthly Notices of the Royal Astronomical Society, 2006, 370, 15-24.	4.4	20
51	Detecting Sunyaev-Zel'dovich clusters with Planck- I. Construction of all-sky thermal and kinetic SZ maps. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1309-1323.	4.4	25
52	A determination of the spectra of Galactic components observed by the Wilkinson Microwave Anisotropy Probe. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1125-1139.	4.4	141
53	Comparison of filters for the detection of point sources in Planck simulations. Monthly Notices of the Royal Astronomical Society, 2006, 370, 2047-2063.	4.4	63
54	Scalar quantities as detectors of non-Gaussianity in cosmic microwave background maps. Monthly Notices of the Royal Astronomical Society, 2006, 371, 312-322.	4.4	5

#	ARTICLE	IF	CITATIONS
55	Separating polarized cosmological and galactic emissions for cosmic microwave background B-mode polarization experiments. Monthly Notices of the Royal Astronomical Society, 2006, 372, 615-629.	4.4	15
56	Cosmological radiative transfer codes comparison project "½½"½"½"½"½"½"½"½"½"½ I. The static density field tests. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1057-1086.	4.4	181
57	On the dipole straylight contamination in spinning space missions dedicated to cosmic microwave background anisotropy. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1570-1586.	4.4	15
58	Likelihood techniques for the combined analysis of CMB temperature and polarization power spectra. Monthly Notices of the Royal Astronomical Society, 2006, 372, 1104-1116.	4.4	34
59	Estimating the spectral indices of correlated astrophysical foregrounds by a second-order statistical approach. Monthly Notices of the Royal Astronomical Society, 2006, 373, 271-279.	4.4	41
60	The Cosmic Foreground Explorer (COFE): A balloon-borne microwave polarimeter to characterize polarized foregrounds. New Astronomy Reviews, 2006, 50, 977-983.	12.8	9
61	Steerable wavelet analysis of CMB structures alignment. New Astronomy Reviews, 2006, 50, 880-888.	12.8	23
62	Bayesian foreground analysis with CMB data. New Astronomy Reviews, 2006, 50, 861-867.	12.8	6
63	Temperature fluctuations of the cosmic microwave background radiation: A case of non-extensivity?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 426-430.	2.1	26
64	Weak gravitational lensing of the CMB. Physics Reports, 2006, 429, 1-65.	25.6	776
65	Constraining non-gaussianities in WMAP1 and WMAP2. New Astronomy Reviews, 2006, 50, 896-899.	12.8	0
66	Non-Gaussian foreground residuals of the WMAP first-year maps. Monthly Notices of the Royal Astronomical Society, 2006, 367, 39-45.	4.4	13
67	A statistical analysis of a Galactic all sky survey at 1.4 GHz. Astronomische Nachrichten, 2006, 327, 491-492.	1.2	5
68	Future magnetic field studies using the Planck surveyor experiment. Astronomische Nachrichten, 2006, 327, 626-631.	1.2	6
69	High redshift detection of the integrated Sachs-Wolfe effect. Physical Review D, 2006, 74, .	4.7	138
70	Omnidirectional Views Selection for Scene Representation. , 2006, , .		2
71	Integrated Sachs-Wolfe effect from the cross correlation of WMAP 3Âyear and the NRAO VLA sky survey data: New results and constraints on dark energy. Physical Review D, 2006, 74, .	4.7	162
72	Anomalies in the low CMB multipoles and extended foregrounds. Physical Review D, 2006, 74, .	4.7	44

#	Article	IF	Citations
73	Global Universe Anisotropy Probed by the Alignment of Structures in the Cosmic Microwave Background. Physical Review Letters, 2006, 96, 151303.	7.8	64
74	Crystal field analysis of the magnetization curves of R 2 Fe 17 and R 2 Fe 17 H 3 (R =Tb,Ho,Er). Chinese Physics B, 2006, 15, 2146-2150.	1.3	4
75	Quantum Tunneling of Massive Particles from a Garfinkle–Horowitz–Strominger Dilatonic Black Hole. Communications in Theoretical Physics, 2006, 46, 766-768.	2.5	7
76	Big bang in a universe with infinite extension. European Journal of Physics, 2006, 27, 561-565.	0.6	1
77	ANGULAR POWER SPECTRUM IN MODULAR INVARIANT INFLATION MODEL. International Journal of Modern Physics A, 2007, 22, 2223-2237.	1.5	2
78	Notch filter feedback controlled chaos in buck converter. Chinese Physics B, 2007, 16, 3256-3261.	1.3	10
79	A NOTE ON THE LARGE-ANGLE ANISOTROPIES IN THE WMAP CUT-SKY MAPS. International Journal of Modern Physics D, 2007, 16, 411-420.	2.1	22
80	Theory summary: Quark Matter 2006. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S583-S592.	3.6	4
81	Using Lagrangian particles to efficiently describe microstructure evolution in metal forming—application to texture-induced mechanical anisotropy. Modelling and Simulation in Materials Science and Engineering, 2007, 15, 191-204.	2.0	4
82	Sampling with polyominoes. , 2007, , .		25
83	Hemispherical Power Asymmetry in the Third-Year Wilkinson Microwave Anisotropy Probe Sky Maps. Astrophysical Journal, 2007, 660, L81-L84.	4.5	235
84	Sampling with polyominoes. ACM Transactions on Graphics, 2007, 26, 78.	7.2	63
85	Diffuse neutrino and gamma-ray emissions of the galaxy above the TeV. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 003-003.	5 . 4	32
86	Limits onfNLparameters from Wilkinson Microwave Anisotropy Probe three-year data. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 005-005.	5.4	116
87	The signature of large scale structures on the very high energy gamma ray sky. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 013-013.	5.4	32
88	Limits on defects formation and hybrid inflationary models with three-year WMAP observations. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 008-008.	5.4	52
89	Deviation from Gaussianity in the cosmic microwave background temperature fluctuations. Europhysics Letters, 2007, 78, 19001.	2.0	23
90	Multiscale representation for data on the sphere and applications to geopotential data. Proceedings of SPIE, 2007, 6701, 104.	0.8	3

#	Article	IF	CITATIONS
91	Estimation of Polarized Power Spectra by Gibbs Sampling. Astrophysical Journal, 2007, 656, 653-660.	4.5	60
92	Broken Isotropy from a Linear Modulation of the Primordial Perturbations. Astrophysical Journal, 2007, 656, 636-640.	4.5	63
93	Cleaned 3 YearWilkinson Microwave Anistropy ProbeCosmic Microwave Background Map: Magnitude of the Quadrupole and Alignment of Largeâ€6cale Modes. Astrophysical Journal, 2007, 660, 959-975.	4. 5	52
94	Farâ€Ultraviolet Cooling Features of the Antlia Supernova Remnant. Astrophysical Journal, 2007, 670, 1132-1136.	4.5	9
95	The Validity of the Cosmic String Pattern Search with the Cosmic Microwave Background. Astrophysical Journal, 2007, 661, L1-L4.	4.5	17
96	Clustering of the IR Background Light withSpitzer: Contribution from Resolved Sources. Astrophysical Journal, 2007, 657, 37-50.	4.5	21
97	Fast Estimator of Primordial Nonâ€Gaussianity from Temperature and Polarization Anisotropies in the Cosmic Microwave Background. Astrophysical Journal, 2007, 664, 680-686.	4. 5	98
98	A Reanalysis of the 3 YearWilkinson Microwave Anisotropy ProbeTemperature Power Spectrum and Likelihood. Astrophysical Journal, 2007, 656, 641-652.	4.5	66
99	Nonblind Catalog of Extragalactic Point Sources from the Wilkinson Microwave Anisotropy Probe () Tj ETQq0 0 (_ Ο rgBT /Ον	erlogk 10 Tf 5
100	Magnetohydrodynamic Evolution of H <scp>ii</scp> Regions in Molecular Clouds: Simulation Methodology, Tests, and Uniform Media. Astrophysical Journal, 2007, 671, 518-535.	4. 5	109
100		4.5	109
	Methodológy, Tésts, and Uniform Media. Ástrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical		
101	Methodológy, Tésts, and Uniform Media. Ástrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical Journal, 2007, 671, 1075-1078. Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007,	4.5	8
101	Methodológy, Tésts, and Uniform Media. Astrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical Journal, 2007, 671, 1075-1078. Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76. Threeâ€Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Analysis.	4.5 4.5	8
101 102 103	Methodológy, Tésts, and Uniform Media. Astrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical Journal, 2007, 671, 1075-1078. Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76. Threeâ€Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Analysis. Astrophysical Journal, Supplement Series, 2007, 170, 288-334. Microwave Sky Simulations and Projections for Galaxy Cluster Detection with the Atacama	4.5 4.5 7.7	8 18 778
101 102 103	Methodológy, Tésts, and Uniform Media. Astrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical Journal, 2007, 671, 1075-1078. Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76. Threeâ€Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Analysis. Astrophysical Journal, Supplement Series, 2007, 170, 288-334. Microwave Sky Simulations and Projections for Galaxy Cluster Detection with the Atacama Cosmology Telescope. Astrophysical Journal, 2007, 664, 149-161. The Kinetic Sunyaevâ€Zel'dovich Effect Due to the Electrons of Our Galaxy. Astrophysical Journal, 2007,	4.5 4.5 7.7	8 18 778
101 102 103 104	Methodológy, Tésts, and Uniform Media. Astrophysical Journal, 2007, 671, 518-535. Detecting the Expansion of the Universe through Changes in the CMB Photosphere. Astrophysical Journal, 2007, 671, 1075-1078. Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76. Threeâ€Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Analysis. Astrophysical Journal, Supplement Series, 2007, 170, 288-334. Microwave Sky Simulations and Projections for Galaxy Cluster Detection with the Atacama Cosmology Telescope. Astrophysical Journal, 2007, 664, 149-161. The Kinetic Sunyaevâ€Zel'dovich Effect Due to the Electrons of Our Galaxy. Astrophysical Journal, 2007, 671, 1079-1083.	4.5 4.5 7.7 4.5	8 18 778 32 5

#	ARTICLE	IF	CITATIONS
109	Threeâ€Year <i>Wilkinson Microwave Anisotropy Probe</i> (<i>WMAP</i>) Observations: Foreground Polarization. Astrophysical Journal, 2007, 665, 355-362.	4.5	108
110	Far-Ultraviolet Observations of the Monogem Ring. Astrophysical Journal, 2007, 665, L139-L142.	4.5	13
111	The Shape of the Sloan Digital Sky Survey Data Release 5 Galaxy Power Spectrum. Astrophysical Journal, 2007, 657, 645-663.	4.5	224
112	The H ii Region of a Primordial Star. Astrophysical Journal, 2007, 659, L87-L90.	4.5	138
113	Bayesian Analysis of the Low-Resolution Polarized 3 Year <i>WMAP</i> Sky Maps. Astrophysical Journal, 2007, 665, L1-L4.	4.5	30
114	Correlation between galactic HI and the cosmic microwave background. Physical Review D, 2007, 76, .	4.7	13
115	Evolution of the cosmic microwave background. Physical Review D, 2007, 76, .	4.7	15
116	Search for gravitational waves in the CMB after WMAP3: Foreground confusion and the optimal frequency coverage for foreground minimization. Physical Review D, 2007, 75, .	4.7	30
117	Constraints on < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi> C < / mml:mi> < mml:mi> P < / mml:mi> < mml:mi> T < / mml:mi> < / mml:math> violation from Wilkinson Microwave Anisotropy Probe three year polarization data: A wavelet analysis. Physical Review D, 2007, 76, .	4.7	75
118	Efficient algorithm for computing the time-resolved full-sky cross power in an interferometer with omnidirectional elements. Physical Review D, 2007, 75, .	4.7	6
119	Detection of gravitational lensing in the cosmic microwave background. Physical Review D, 2007, 76, .	4.7	285
120	Uncorrelated universe: Statistical anisotropy and the vanishing angular correlation function in WMAP years $1\hat{a}\in$ "3. Physical Review D, 2007, 75, .	4.7	213
121	Temperature and polarization CMB maps from primordial non-Gaussianities of the local type. Physical Review D, 2007, 76, .	4.7	51
122	Fast Directional Continuous Spherical Wavelet Transform Algorithms. IEEE Transactions on Signal Processing, 2007, 55, 520-529.	5.3	55
123	Data analysis methods for the cosmic microwave background. Reports on Progress in Physics, 2007, 70, 899-946.	20.1	9
124	INTEGRAL/IBIS all-sky survey in hard X-rays. Astronomy and Astrophysics, 2007, 475, 775-784.	5.1	142
125	Instrumental and analytic methods for bolometric polarimetry. Astronomy and Astrophysics, 2007, 470, 771-785.	5.1	29
126	The actual Rees-Sciama effect from the local universe. Astronomy and Astrophysics, 2007, 476, 83-88.	5.1	20

#	Article	IF	Citations
127	Making sky maps from Planck data. Astronomy and Astrophysics, 2007, 467, 761-775.	5.1	45
128	Statistical properties of dust far-infrared emission. Astronomy and Astrophysics, 2007, 469, 595-605.	5.1	70
129	Testing Gaussianity on Archeops data. Astronomy and Astrophysics, 2007, 474, 23-33.	5.1	14
130	Searching for non-Gaussian signals in the BOOMERanG 2003 CMB map: Preliminary results. New Astronomy Reviews, 2007, 51, 250-255.	12.8	3
131	Information content of the lensed CMB power spectra. New Astronomy Reviews, 2007, 51, 421-430.	12.8	1
132	Fast spin $\hat{A}\pm2$ spherical harmonics transforms and application in cosmology. Journal of Computational Physics, 2007, 226, 2359-2371.	3.8	41
133	Cosmic microwave background signal in Wilkinson Microwave Anisotropy Probe three-year data with FASTICA. Monthly Notices of the Royal Astronomical Society, 2007, 374, 1207-1215.	4.4	25
134	Direct reconstruction of spherical harmonics from interferometer observations of the cosmic microwave background polarization. Monthly Notices of the Royal Astronomical Society, 2007, 375, 625-632.	4.4	8
135	The impact of dipole straylight contamination on the alignment of low multipoles of CMB anisotropies. Monthly Notices of the Royal Astronomical Society, 2007, 376, 907-918.	4.4	11
136	Detection of the integrated Sachs-Wolfe effect and corresponding dark energy constraints made with directional spherical wavelets. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1211-1226.	4.4	96
137	Cross-correlation of 2MASS and WMAP 3: implications for the integrated Sachs-Wolfe effect. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1085-1094.	4.4	85
138	Missing thermal energy of the intracluster medium. Monthly Notices of the Royal Astronomical Society, 2007, 378, 293-300.	4.4	65
139	A survey of polarization in the JVAS/CLASS flat-spectrum radio source surveys - II. A search for aligned radio polarizations. Monthly Notices of the Royal Astronomical Society, 0, 380, 162-174.	4.4	31
140	A scaling index analysis of the Wilkinson Microwave Anisotropy Probe three-year data: signatures of non-Gaussianities and asymmetries in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2007, 380, 466-478.	4.4	36
141	Cosmology with the Planck cluster sample. Monthly Notices of the Royal Astronomical Society, 2007, 382, 158-176.	4.4	7
142	Directionality in the Wilkinson Microwave Anisotropy Probe polarization data. Monthly Notices of the Royal Astronomical Society, 2007, 381, 2-6.	4.4	2
143	Measuring the Baryon Acoustic Oscillation scale using the Sloan Digital Sky Survey and 2dF Galaxy Redshift Survey. Monthly Notices of the Royal Astronomical Society, 0, 381, 1053-1066.	4.4	661
144	Alignment and signed-intensity anomalies in Wilkinson Microwave Anisotropy Probe data. Monthly Notices of the Royal Astronomical Society, 2007, 381, 932-942.	4.4	47

#	Article	IF	CITATIONS
145	Mapping on the HEALPix grid. Monthly Notices of the Royal Astronomical Society, 2007, 381, 865-872.	4.4	31
146	COSMOSOMAS observations of the cosmic microwave background and Galactic foregrounds at 11 GHz: evidence for anomalous microwave emission at high Galactic latitude. Monthly Notices of the Royal Astronomical Society, 2007, 382, 594-608.	4.4	29
147	WMAP 3-yr data with Correlated Component Analysis: anomalous emission and impact of component separation on the CMB power spectrum. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1791-1803.	4.4	52
148	Camouflaged Galactic cosmic microwave background polarization foregrounds: total and polarized contributions of the kinetic Sunyaev-Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 0, 383, 1425-1430.	4.4	5
149	Do we need to correct the internal linear combination quadrupole?. Astrophysical Bulletin, 2007, 62, 203-208.	1.3	14
150	On the antenna beam shape reconstruction using planet transit. Astrophysical Bulletin, 2007, 62, 285-295.	1.3	6
151	Morphological Component Analysis and Inpainting on the Sphere: Application in Physics and Astrophysics. Journal of Fourier Analysis and Applications, 2007, 13, 729-748.	1.0	55
152	Complex Data Processing: Fast Wavelet Analysis on the Sphere. Journal of Fourier Analysis and Applications, 2007, 13, 477-493.	1.0	32
153	Efficient product sampling using hierarchical thresholding. Visual Computer, 2008, 24, 465-474.	3.5	14
154	Astrophysical interpretation of the medium scale clustering in the ultrahigh energy sky. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 307-314.	4.1	6
155	CMB data analysis and sparsity. Statistical Methodology, 2008, 5, 289-298.	0.5	52
156	Instability of reconstruction of the low CMB multipoles. Astrophysical Bulletin, 2008, 63, 216-227.	1.3	25
157	Correlation properties of the maps of the NVSS survey and WMAP ILC. Astrophysical Bulletin, 2008, 63, 366-373.	1.3	6
158	Cosmic microwave background anisotropy induced by a moving straight cosmic string. Journal of Experimental and Theoretical Physics, 2008, 106, 878-887.	0.9	9
159	Spectral estimation on a sphere in geophysics and cosmology. Geophysical Journal International, 2008, 174, 774-807.	2.4	92
160	Spherical needlets for cosmic microwave background data analysis. Monthly Notices of the Royal Astronomical Society, 2008, 383, 539-545.	4.4	135
161	Probing dark energy with steerable wavelets through correlation of WMAP and NVSS local morphological measures. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1289-1300.	4.4	40
162	Cosmic microwave background polarization constraints on radiative feedback. Monthly Notices of the Royal Astronomical Society, 2008, 385, 404-410.	4.4	16

#	ARTICLE	IF	CITATIONS
163	Non-Gaussianity analysis on local morphological measures of WMAP data. Monthly Notices of the Royal Astronomical Society, 2008, 385, 939-947.	4.4	27
164	The collision between the Milky Way and Andromeda. Monthly Notices of the Royal Astronomical Society, 2008, 386, 461-474.	4.4	78
165	A low cosmic microwave background variance in the Wilkinson Microwave Anisotropy Probe data. Monthly Notices of the Royal Astronomical Society, 2008, 387, 209-219.	4.4	50
166	A reassessment of the evidence of the Integrated Sachs–Wolfe effect through the WMAP–NVSS correlation. Monthly Notices of the Royal Astronomical Society, 2008, 386, 2161-2166.	4.4	73
167	Methods for rapidly processing angular masks of next-generation galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2008, 387, 1391-1402.	4.4	156
168	A model of diffuse Galactic radio emission from 10 MHz to 100 GHz. Monthly Notices of the Royal Astronomical Society, 2008, 388, 247-260.	4.4	404
169	A high-significance detection of non-Gaussianity in the WMAP5-yr data using directional spherical wavelets. Monthly Notices of the Royal Astronomical Society, 2008, 388, 659-662.	4.4	53
170	Exact reconstruction with directional wavelets on the sphere. Monthly Notices of the Royal Astronomical Society, 2008, 388, 770-788.	4.4	84
171	Galaxy Zoo: the large-scale spin statistics of spiral galaxies in the Sloan Digital Sky Survey ^{a~} . Monthly Notices of the Royal Astronomical Society, 2008, 388, 1686-1692.	4.4	111
172	Full-sky maps for gravitational lensing of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1618-1626.	4.4	41
173	Intergalactic baryon-rich regions at high redshift. Monthly Notices of the Royal Astronomical Society, 2008, 389, 880-888.	4.4	11
174	Fast optimal CMB power spectrum estimation with Hamiltonian sampling. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1284-1292.	4.4	48
175	Limits on primordial non-Gaussianity from Minkowski Functionals of the WMAP temperature anisotropies. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1439-1446.	4.4	98
176	Can a primordial magnetic field originate large-scale anomalies inWMAPdata?. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1453-1460.	4.4	38
177	Simulating full-sky interferometric observations. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1163-1178.	4.4	28
178	Foreground analysis of the Wilkinson Microwave Anisotropy Probe 3-yr data with fastica. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1190-1208.	4.4	9
179	The CMB cold spot: texture, cluster or void?. Monthly Notices of the Royal Astronomical Society, 2008, 390, 913-919.	4.4	73
180	Bianchi VIIhmodels and the cold spot texture. Monthly Notices of the Royal Astronomical Society, 2008, , .	4.4	5

#	Article	IF	CITATIONS
181	The onion universe: all sky lightcone simulations in spherical shells. Monthly Notices of the Royal Astronomical Society, 2008, 391, 435-446.	4.4	107
182	The cosmic evolution of metallicity from the SDSS fossil record. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1117-1126.	4.4	147
183	Observations of the Corona Borealis supercluster with the superextended Very Small Array: further constraints on the nature of the non-Gaussian cosmic microwave background cold spot. Monthly Notices of the Royal Astronomical Society, 2008, 391, 1127-1136.	4.4	11
184	Component Separation With Flexible Models—Application to Multichannel Astrophysical Observations. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 735-746.	10.8	89
185	A Linear Filter to Reconstruct the ISW Effect From CMB and LSS Observations. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 747-754.	10.8	16
186	Testable polarization predictions for models of CMB isotropy anomalies. Physical Review D, 2008, 77, .	4.7	63
187	THE CONTINUOUS WAVELET TRANSFORM ON CONIC SECTIONS. International Journal of Wavelets, Multiresolution and Information Processing, 2008, 06, 137-156.	1.3	19
188	Testing isotropy of cosmic microwave background radiation. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1718-1728. Evidence of Primordial Non-Gaussianity (

#	Article	IF	Citations
199	Spin needlets for cosmic microwave background polarization data analysis. Physical Review D, 2008, 78, .	4.7	23
200	Correlation of CMB with large-scale structure. II. Weak lensing. Physical Review D, 2008, 78, .	4.7	173
201	CMB map derived from the WMAP data through harmonic internal linear combination. Physical Review D, 2008, 77, .	4.7	27
202	Anomalous CMB north-south asymmetry. Physical Review D, 2008, 78, .	4.7	41
203	CMB power spectrum estimation using wavelets. Physical Review D, 2008, 78, .	4.7	47
204	CMB polarization systematics due to beam asymmetry: Impact on inflationary science. Physical Review D, 2008, 77, .	4.7	92
205	Optical depth of the Universe to ultrahigh energy cosmic ray scattering in the magnetized large scale structure. Physical Review D, 2008, 77, .	4.7	57
206	Gravitational wave radiometry: Mapping a stochastic gravitational wave background. Physical Review D, 2008, 77, .	4.7	70
207	Pose detection of 3-D objects using S $<$ sup $>$ 2 $<$ /sup $>$ -correlated images and discrete spherical harmonic transforms. , 2008, , .		10
208	An Imprint of Superstructures on the Microwave Background due to the Integrated Sachs-Wolfe Effect. Astrophysical Journal, 2008, 683, L99-L102.	4.5	216
209	PECULIARITIES OF PHASES OF THE WMAP QUADRUPOLE. International Journal of Modern Physics D, 2008, 17, 179-194.	2.1	17
210	COSMIC COVARIANCE AND THE LOW QUADRUPOLE ANISOTROPY IN THE WMAP DATA. Modern Physics Letters A, 2008, 23, 1489-1497.	1.2	7
211	Constraining the geometry to study jet energy loss with 2-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104087.	3.6	2
212	Phase diagram of a lattice of vortex molecules in multicomponent superconductors and multilayer cuprate superconductors. Superconductor Science and Technology, 2008, 21, 085011.	3.5	6
213	Thermal Rectification Effect of an Interacting Quantum Dot. Chinese Physics Letters, 2008, 25, 3032-3035.	3.3	18
214	On non-isotopic saddle hedgehogs. Russian Mathematical Surveys, 2008, 63, 968-969.	0.6	0
215	Magnetic component of quark–gluon plasma. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 104058.	3.6	6
216	CCD camera system design for the beam diagnostic by using OTR. Chinese Physics C, 2008, 32, 67-71.	3.7	2

#	Article	IF	Citations
217	Bipartite entanglement in spin-1/2 Heisenberg model. Chinese Physics C, 2008, 32, 303-307.	3.7	6
218	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. Classical and Quantum Gravity, 2008, 25, 184026.	4.0	64
219	A spatial correlation analysis for a toroidal universe. Classical and Quantum Gravity, 2008, 25, 225017.	4.0	20
220	Using wavelets with current and future hardware. , 2008, , .		O
221	Precision measurements of large scale structure with future type Ia supernova surveys. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 022.	5.4	13
222	Hemispherical power asymmetry: parameter estimation from cosmic microwave background WMAP5 data. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 023.	5 . 4	13
223	Revealing dark matter substructure with anisotropies in the diffuse gamma-ray background. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 040.	5.4	59
224	Do we live in a â€~small universe'?. Classical and Quantum Gravity, 2008, 25, 125006.	4.0	40
225	Probing the last scattering surface through recent and future CMB observations. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 007.	5.4	1
226	Real space tests of the statistical isotropy and Gaussianity of the Wilkinson Microwave Anisotropy Probe cosmic microwave background data. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 017.	5.4	12
227	Fast evaluation of quadrature formulae on the sphere. Mathematics of Computation, 2008, 77, 397-419.	2.1	34
228	Aerial Pose Detection of 3-D Objects Using Hemispherical Harmonics. , 2008, , .		4
229	Pose detection of 3-D objects using images sampled on $SO(3)$, spherical harmonics, and wigner-D matrices., 2008,,.		13
230	Combined analysis of the integrated Sachs-Wolfe effect and cosmological implications. Physical Review D, 2008, 77, .	4.7	237
231	<i>Spider</i> Optimization: Probing the Systematics of a Largeâ€Scale <i>B</i> â€Mode Experiment. Astrophysical Journal, 2008, 689, 655-665.	4.5	20
232	A test of the Poincar \tilde{A} © dodecahedral space topology hypothesis with the WMAP CMB data. Astronomy and Astrophysics, 2008, 482, 747-753.	5.1	24
233	A New 3D Shape Retrieval Method Using Spherical Healpix. Journal of Information Processing, 2008, 16, 190-200.	0.4	3
234	Large scale plane-mirroring in the cosmic microwave background WMAP5 maps. Astronomy and Astrophysics, 2008, 490, 929-932.	5.1	16

#	Article	IF	Citations
235	Escape of Ionizing Radiation from Highâ€Redshift Galaxies. Astrophysical Journal, 2008, 672, 765-775.	4.5	229
236	Measurement of the Electron-Pressure Profile of Galaxy Clusters in 3 Year <i>Wilkinson Microwave Anisotropy Probe</i> (<i>WMAP</i>) Data. Astrophysical Journal, 2008, 675, L57-L60.	4.5	48
237	Resolving the Formation of Protogalaxies. III. Feedback from the First Stars. Astrophysical Journal, 2008, 685, 40-56.	4.5	206
238	First Season QUaD CMB Temperature and Polarization Power Spectra. Astrophysical Journal, 2008, 674, 22-28.	4. 5	61
239	The Joint Large-Scale Foreground-CMB Posteriors of the 3 Year <i>WMAP</i> Data. Astrophysical Journal, 2008, 672, L87-L90.	4. 5	34
240	TRIS. I. Absolute Measurements of the Sky Brightness Temperature at 0.6, 0.82, and 2.5 GHz. Astrophysical Journal, 2008, 688, 12-23.	4.5	39
241	Optical Cluster Finding with an Adaptive Matchedâ€Filter Technique: Algorithm and Comparison with Simulations. Astrophysical Journal, 2008, 676, 868-879.	4. 5	37
242	Probabilistic Crossâ€kdentification of Astronomical Sources. Astrophysical Journal, 2008, 679, 301-309.	4.5	101
243	Identification of Spinning Dust in Hα–Correlated Microwave Emission. Astrophysical Journal, 2008, 680, 1235-1242.	4.5	27
244	Global Far-Ultraviolet Image of the Eridanus Superbubble Observed by FIMS/SPEAR. Astrophysical Journal, 2008, 678, L29-L33.	4.5	7
245	The Scalar Perturbation Spectral Index <i><math>ns<wh>>:WMAPSensitivity to Unresolved Point Sources. Astrophysical Journal, 2008, 688, 1-11.</wh></math></i>	4.5	13
246	A Measurement of Large-Scale Peculiar Velocities of Clusters of Galaxies: Results and Cosmological Implications. Astrophysical Journal, 2008, 686, L49-L52.	4.5	223
247	Joint Bayesian Component Separation and CMB Power Spectrum Estimation. Astrophysical Journal, 2008, 676, 10-32.	4. 5	213
248	Fast Estimator of Primordial Nonâ€Gaussianity from Temperature and Polarization Anisotropies in the Cosmic Microwave Background. II. Partial Sky Coverage and Inhomogeneous Noise. Astrophysical Journal, 2008, 678, 578-582.	4.5	65
249	New Measurements of Fineâ€Scale CMB Polarization Power Spectra from CAPMAP at Both 40 and 90 GHz. Astrophysical Journal, 2008, 684, 771-789.	4. 5	66
250	Orbits and origins of the young stars in the central parsec of the galaxy. Journal of Physics: Conference Series, 2008, 131, 012012.	0.4	2
251	On the Largeâ€Scale Angular Distribution of Short Gammaâ€Ray Bursts. Astrophysical Journal, 2008, 673, 968-971.	4.5	25
252	The White Mountain Polarimeter Telescope and an Upper Limit on Cosmic Microwave Background Polarization. Astrophysical Journal, Supplement Series, 2008, 177, 419-430.	7.7	4

#	Article	IF	CITATIONS
253	TRIS. III. The Diffuse Galactic Radio Emission at \hat{l}' = +42 \hat{A}° . Astrophysical Journal, 2008, 688, 32-42.	4.5	21
254	A Large Sky Simulation of the Gravitational Lensing of the Cosmic Microwave Background. Astrophysical Journal, 2008, 682, 1-13.	4.5	39
255	CLEANING THE USNO-B CATALOG THROUGH AUTOMATIC DETECTION OF OPTICAL ARTIFACTS. Astronomical Journal, 2008, 135, 414-422.	4.7	32
256	Constraints on the non-linear coupling parameter <i>f</i> _{nl} with Archeops data. Astronomy and Astrophysics, 2008, 486, 383-391.	5.1	20
257	Kolmogorov stochasticity parameter measuring the randomness in the cosmic microwave background. Astronomy and Astrophysics, 2008, 492, L33-L34.	5.1	27
258	Component separation methods for the PLANCK mission. Astronomy and Astrophysics, 2008, 491, 597-615.	5.1	189
259	Submillimetre point sources from the Archeops experiment: very cold clumps in the Galactic plane. Astronomy and Astrophysics, 2008, 481, 411-421.	5.1	95
260	The needlets bispectrum. Electronic Journal of Statistics, 2008, 2, .	0.7	43
261	Separation of anomalous and synchrotron emissions using WMAP polarization data. Astronomy and Astrophysics, 2008, 490, 1093-1102.	5.1	150
262	The impact of Galactic synchrotron emission on CMBÂanisotropy measurements. Astronomy and Astrophysics, 2008, 479, 641-654.	5.1	47
263	MID-INFRARED PROPERTIES OF DISK AVERAGED OBSERVATIONS OF EARTH WITH AIRS. Astrophysical Journal, 2009, 693, 1763-1774.	4.5	20
264	COSMIC MICROWAVE BACKGROUND LIKELIHOOD APPROXIMATION BY A GAUSSIANIZED BLACKWELL-RAO ESTIMATOR. Astrophysical Journal, 2009, 692, 1669-1677.	4.5	21
265	A MARKOV CHAIN MONTE CARLO ALGORITHM FOR ANALYSIS OF LOW SIGNAL-TO-NOISE COSMIC MICROWAVE BACKGROUND DATA. Astrophysical Journal, 2009, 697, 258-268.	4.5	26
266	BAYESIAN ANALYSIS OF SPARSE ANISOTROPIC UNIVERSE MODELS AND APPLICATION TO THE FIVE-YEAR <i>WMAP</i> DATA. Astrophysical Journal, 2009, 690, 1807-1819.	4.5	121
267	SECOND AND THIRD SEASON QUAD COSMIC MICROWAVE BACKGROUND TEMPERATURE AND POLARIZATION POWER SPECTRA. Astrophysical Journal, 2009, 692, 1247-1270.	4.5	98
268	THE VELOCITY FUNCTION IN THE LOCAL ENVIRONMENT FROM DCDM AND DWDM CONSTRAINED SIMULATIONS. Astrophysical Journal, 2009, 700, 1779-1793.	4.5	160
269	BAYESIAN ANALYSIS OF WHITE NOISE LEVELS IN THE FIVE-YEAR WMAP DATA. Astrophysical Journal, 2009, 702, L87-L90.	4.5	7
270	POLARIZATION OF THE <i>WMAP</i> POINT SOURCES. Astrophysical Journal, 2009, 705, 868-876.	4.5	30

#	Article	IF	CITATIONS
271	A MEASUREMENT OF LARGE-SCALE PECULIAR VELOCITIES OF CLUSTERS OF GALAXIES: TECHNICAL DETAILS. Astrophysical Journal, 2009, 691, 1479-1493.	4.5	71
272	ACCRETION SHOCKS IN CLUSTERS OF GALAXIES AND THEIR SZ SIGNATURE FROM COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2009, 696, 1640-1656.	4.5	58
273	LUMINOUS RED GALAXY POPULATION IN CLUSTERS AT 0.2â@½ z â@½0.6. Astrophysical Journal, 2009, 697, 13	354851368.	25
274	CONSTRAINING SPINNING DUST PARAMETERS WITH THE <i>WMAP </i> Journal, 2009, 699, 1374-1388.	4.5	37
275	FAR-ULTRAVIOLET OBSERVATION OF THE DRACO CLOUD WITH FIMS/SPEAR. Astrophysical Journal, 2009, 700, 155-160.	4.5	12
276	AN ESTIMATE OF THE PRIMORDIAL NON-GAUSSIANITY PARAMETER <i>f < /i > < sub > NL < /sub > USING THE NEEDLET BISPECTRUM FROM <i> WMAP < /i > . Astrophysical Journal, 2009, 701, 369-376.</i></i>	4.5	64
277	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: BAYESIAN ESTIMATION OF COSMIC MICROWAVE BACKGROUND POLARIZATION MAPS. Astrophysical Journal, 2009, 701, 1804-1813.	4.5	107
278	POWER ASYMMETRY IN COSMIC MICROWAVE BACKGROUND FLUCTUATIONS FROM FULL SKY TO SUB-DEGREE SCALES: IS THE UNIVERSE ISOTROPIC?. Astrophysical Journal, 2009, 704, 1448-1458.	4.5	149
279	IMPROVED CONSTRAINTS ON PRIMORDIAL NON-GAUSSIANITY FOR THEWILKINSON MICROWAVE ANISOTROPY PROBE5-YEAR DATA. Astrophysical Journal, 2009, 706, 399-403.	4.5	34
280	IMPACT OF THE 1/fNOISE AND THE ASYMMETRIC BEAM ON NON-GAUSSIANITY SEARCHES WITHPLANCK. Astrophysical Journal, 2009, 706, 1226-1240.	4.5	7
281	IMPROVED MEASUREMENTS OF THE TEMPERATURE AND POLARIZATION OF THE COSMIC MICROWAVE BACKGROUND FROM QUaD. Astrophysical Journal, 2009, 705, 978-999.	4.5	225
282	EXTRAGALACTIC POINT SOURCE SEARCH IN FIVE-YEAR <i>WMAP</i> 41, 61, AND 94 GHz MAPS. Astrophysical Journal, 2009, 694, 222-234.	4.5	24
283	Smoothed particle hydrodynamics simulations of expanding H IIÂregions. Astronomy and Astrophysics, 2009, 497, 649-659.	5.1	70
284	A MAP OF THE INTEGRATED SACHS-WOLFE SIGNAL FROM LUMINOUS RED GALAXIES. Astrophysical Journal, 2009, 701, 414-422.	4.5	54
285	The XMM-Newton serendipitous survey. Astronomy and Astrophysics, 2009, 493, 339-373.	5.1	414
286	Predictions of polarized dust emission from interstellar clouds: spatial variations in the efficiency of radiative torque alignment. Astronomy and Astrophysics, 2009, 502, 833-844.	5.1	30
287	THE EFFECT OF ASYMMETRIC BEAMS IN THEWILKINSON MICROWAVE ANISOTROPY PROBEEXPERIMENT. Astrophysical Journal, 2009, 707, 343-353.	4.5	14
288	COSMIC COVARIANCE AND THE LOW QUADRUPOLE ANISOTROPY OF THE (i) WILKINSON MICROWAVE ANISOTROPY PROBE (/i) ((i) WMAP (/i)) DATA. Astrophysical Journal, 2009, 694, 339-343.	4.5	7

#	Article	IF	Citations
289	First AGILE catalog of high-confidence gamma-ray sources. Astronomy and Astrophysics, 2009, 506, 1563-1574.	5.1	91
290	Simulating polarized Galactic synchrotron emission at all frequencies. Astronomy and Astrophysics, 2009, 495, 697-706.	5.1	93
291	Spin needlets spectral estimation. Electronic Journal of Statistics, 2009, 3, .	0.7	22
292	A full sky, low foreground, high resolution CMB map from WMAP. Astronomy and Astrophysics, 2009, 493, 835-857.	5.1	189
293	Making maps from Planck LFI 30ÂGHz data with asymmetric beams and cooler noise. Astronomy and Astrophysics, 2009, 493, 753-783.	5.1	25
294	<i>>FERMI</i> /I>/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM THE FLAT-SPECTRUM RADIO QUASAR PKS 1454–354. Astrophysical Journal, 2009, 697, 934-941.	4.5	37
295	SECONDARY RADIATION FROM THE PAMELA/ATIC EXCESS AND RELEVANCE FOR FERMI. Astrophysical Journal, 2009, 699, L59-L63.	4.5	35
296	Destriping CMB temperature and polarization maps. Astronomy and Astrophysics, 2009, 506, 1511-1539.	5.1	35
297	A DISK OF YOUNG STARS AT THE GALACTIC CENTER AS DETERMINED BY INDIVIDUAL STELLAR ORBITS. Astrophysical Journal, 2009, 690, 1463-1487.	4.5	266
298	Full-sky weak-lensing simulation with 70 billion particles. Astronomy and Astrophysics, 2009, 497, 335-341.	5.1	120
299	Polarized wavelets and curvelets on the sphere. Astronomy and Astrophysics, 2009, 497, 931-943.	5.1	16
300	Multi-frequency imaging of the galaxy cluster Abell 2163 using the Sunyaev-Zel'dovich effect. Astronomy and Astrophysics, 2009, 506, 623-636.	5.1	46
301	Simulating weak lensing of CMB maps. Astronomy and Astrophysics, 2009, 508, 53-62.	5.1	9
302	Simulated square kilometre array maps from Galactic 3D-emission models. Astronomy and Astrophysics, 2009, 507, 1087-1105.	5.1	37
303	BAYESIAN COMPONENT SEPARATION AND COSMIC MICROWAVE BACKGROUND ESTIMATION FOR THE FIVE-YEAR <i>WMAP</i> TEMPERATURE DATA. Astrophysical Journal, 2009, 705, 1607-1623.	4. 5	33
304	HIGH-RESOLUTION CMB POWER SPECTRUM FROM THE COMPLETE ACBAR DATA SET. Astrophysical Journal, 2009, 694, 1200-1219.	4.5	303
305	Model-Independent Test for Scale-Dependent Non-Gaussianities in the Cosmic Microwave Background. Physical Review Letters, 2009, 102, 131301.	7.8	32
306	Eigendecomposition of Images Correlated on \$S^{1}\$, \$S^{2}\$, and \$SO(3)\$ Using Spectral Theory. IEEE Transactions on Image Processing, 2009, 18, 2562-2571.	9.8	11

#	Article	IF	CITATIONS
307	Gamma-ray background anisotropy from Galactic dark matter substructure. Physical Review D, 2009, 80, .	4.7	61
308	Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes. Physical Review Letters, 2009, 103, 251101.	7.8	133
309	Bayesian Limits on Primordial Isotropy Breaking. Physical Review Letters, 2009, 102, 031301.	7.8	26
310	An illustration of eigenspace decomposition for illumination invariant pose estimation. , 2009, , .		2
311	An experimental assessment of the HSM3D algorithm for sparse and colored data. , 2009, , .		1
312	Asymptotics for the probability of not exceeding a curvilinear level by a Gaussian random walk. Izvestiya Mathematics, 2009, 73, 47-77.	0.6	0
313	Monte Carlo simulations of biaxial structure in thin hybrid nematic film based upon spatially anisotropic pair potential. Chinese Physics B, 2009, 18, 1560-1563.	1.4	3
314	Slow Light by Two-Dimensional Photonic Crystal Waveguides. Chinese Physics Letters, 2009, 26, 074216.	3.3	6
315	The Chaotification of Discrete Hopfield Neural Networks via Impulsive Control. Chinese Physics Letters, 2009, 26, 070503.	3.3	4
316	Monte Carlo simulation of the exposure factor. Chinese Physics B, 2009, 18, 2217-2222.	1.4	O
317	Doping controlled metal to insulator transition in the (Bi, Pb)-2212 system. Superconductor Science and Technology, 2009, 22, 045016.	3.5	38
318	A NEAR-INFRARED SURVEY OF THE INNER GALACTIC PLANE FOR WOLF-RAYET STARS. I. METHODS AND FIRST RESULTS: 41 NEW WR STARS. Astronomical Journal, 2009, 138, 402-420.	4.7	54
319	Inverse Problems: Modelling and Simulation. Inverse Problems, 2009, 25, .	2.0	0
320	String Cosmological Models in Five-Dimensional Spacetimes. Chinese Physics Letters, 2009, 26, 010404.	3.3	0
321	TESTING GAUSSIANITY IN THE WMAP DATA OF OT FOREGROUND REDUCED MAP. International Journal of Modern Physics A, 2009, 24, 1664-1668.	1.5	4
322	INCREASING EVIDENCE FOR HEMISPHERICAL POWER ASYMMETRY IN THE FIVE-YEAR <i>WMAP</i> DATA. Astrophysical Journal, 2009, 699, 985-989.	4.5	231
323	<i>>FERMI</i> LAT OBSERVATION OF DIFFUSE GAMMA RAYS PRODUCED THROUGH INTERACTIONS BETWEEN LOCAL INTERSTELLAR MATTER AND HIGH-ENERGY COSMIC RAYS. Astrophysical Journal, 2009, 703, 1249-1256.	4.5	99
324	Swiss cheese and a cheesy CMB. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 010-010.	5.4	51

#	Article	IF	Citations
325	Constraining models of the large scale Galactic magnetic field with WMAP5 polarization data and extragalactic rotation measure sources. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 021-021.	5.4	55
326	Cosmological Alfvén waves in the recent CMB data, and the observational bound on the primordial vector perturbation. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 041-041.	5.4	21
327	The high redshift Integrated Sachs-Wolfe effect. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 003-003.	5.4	45
328	The kinetic Sunyaev-Zel'dovich effect of the milky way halo. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.	5.4	4
329	Searching for planar signatures in WMAP. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 013-013.	5.4	14
330	Statistical nature of non-Gaussianity from cubic order primordial perturbations: CMB map simulations and genus statistic. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 019-019.	5.4	9
331	Large scale alignment anomalies of CMB anisotropies: a new test for residuals applied to WMAP 5yr maps. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 004-004.	5.4	27
332	A special kind of local structure in the CMB intensity maps: duel peak structure. Research in Astronomy and Astrophysics, 2009, 9, 302-306.	1.7	1
333	Constraints on cosmic hemispherical power anomalies from quasars. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 011-011.	5.4	81
334	B-mode detection with an extended planck mission. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 011-011.	5.4	25
335	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> OBSERVATIONS: GALACTIC FOREGROUND EMISSION. Astrophysical Journal, Supplement Series, 2009, 180, 265-282.	7.7	175
336	The Murchison Widefield Array: Design Overview. Proceedings of the IEEE, 2009, 97, 1497-1506.	21.3	311
337	Studies of UHECR propagation in the galactic magnetic field. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 203-206.	0.4	6
338	On the computation of nonnegative quadrature weights on the sphere. Applied and Computational Harmonic Analysis, 2009, 27, 124-132.	2.2	33
339	The Interstellar Boundary Explorer Science Operations Center. Space Science Reviews, 2009, 146, 207-234.	8.1	26
340	Systematic distortion in cosmic microwave background maps. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 804-808.	0.2	12
341	Maximum likelihood algorithm for parametric component separation in cosmic microwave background experiments. Monthly Notices of the Royal Astronomical Society, 2009, 392, 216-232.	4.4	63
342	Scale-dependent galaxy bias in the Sloan Digital Sky Survey as a function of luminosity and colour. Monthly Notices of the Royal Astronomical Society, 2009, 392, 682-690.	4.4	58

#	Article	IF	CITATIONS
343	Blind and non-blind source detection in <i>WMAP</i> 5-yr maps. Monthly Notices of the Royal Astronomical Society, 2009, 392, 733-742.	4.4	46
344	Map making in small field modulated CMB polarization experiments: approximating the maximum likelihood method. Monthly Notices of the Royal Astronomical Society, 2009, 393, 894-910.	4.4	17
345	Wilkinson Microwave Anisotropy Probe5-yr constraints onfolwith wavelets. Monthly Notices of the Royal Astronomical Society, 2009, 393, 615-622.	4.4	31
346	The fully connected (i>N-dimensional skeleton: probing the evolution of the cosmic web. Monthly Notices of the Royal Astronomical Society, 2009, 393, 457-477.	4.4	59
347	Clustering of luminous red galaxies - I. Large-scale redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2009, 393, 1183-1208.	4.4	117
348	A novel multifrequency technique for the detection of point sources in cosmic microwave background maps. Monthly Notices of the Royal Astronomical Society, 2009, 394, 510-520.	4.4	22
349	Detection/estimation of the modulus of a vector. Application to point-source detection in polarization data. Monthly Notices of the Royal Astronomical Society, 2009, 395, 649-656.	4.4	16
350	Ironing out primordial temperature fluctuations with polarization: optimal detection of cosmic structure imprints. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1837-1844.	4.4	14
351	Signals of statistical anisotropy in <i>WMAP</i> foreground-cleaned maps. Monthly Notices of the Royal Astronomical Society, 2009, 396, 511-522.	4.4	35
352	Lensed CMB temperature and polarization maps from the Millennium Simulation. Monthly Notices of the Royal Astronomical Society, 2009, 396, 668-679.	4.4	26
353	Cosmological parameters after <i>WMAP</i> 5: forecasts for <i>Planck</i> and future galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1621-1637.	4.4	34
354	The hot and cold spots in five-year <i>WMAP</i> data. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1273-1286.	4.4	12
355	Constraints on primordial non-Gaussianity from a needlet analysis of the WMAP-5 data. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1682-1688.	4.4	37
356	Analysis of non-Gaussian cosmic microwave background maps based on the N-pdf. Application to <i>Wilkinson Microwave Anisotropy Probe</i> data. Monthly Notices of the Royal Astronomical Society, 2009, 397, 837-848.	4.4	21
357	Impact of Galactic polarized emission on $\langle i \rangle B \langle i \rangle$ -mode detection at low multipoles. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1355-1373.	4.4	36
358	Observation number correlation in <i>WMAP</i> data. Monthly Notices of the Royal Astronomical Society, 2009, 398, 47-52.	4.4	14
359	TEASING: a fast and accurate approximation for the low multipole likelihood of the cosmic microwave background temperature. Monthly Notices of the Royal Astronomical Society, 2009, 400, 219-227.	4.4	33
360	Optimizing point-source parameters for scanning satellite surveys. Monthly Notices of the Royal Astronomical Society, 2009, 398, 2074-2084.	4.4	1

#	ARTICLE	IF	CITATIONS
361	No large-angle correlations on the non-Galactic microwave sky. Monthly Notices of the Royal Astronomical Society, 2009, 399, 295-303.	4.4	123
362	Clustering of luminous red galaxies - III. Baryon acoustic peak in the three-point correlation. Monthly Notices of the Royal Astronomical Society, 2009, 399, 801-811.	4.4	44
363	The observational signature of the first Hâ€∫ii regions. Monthly Notices of the Royal Astronomical Society, 2009, 399, 639-649.	4.4	53
364	Clustering of luminous red galaxies - IV. Baryon acoustic peak in the line-of-sight direction and a direct measurement of <i>H</i> (<i>z</i>). Monthly Notices of the Royal Astronomical Society, 2009, 399, 1663-1680.	4.4	464
365	New estimates of the CMB angular power spectra from the WMAP5 year low-resolution data. Monthly Notices of the Royal Astronomical Society, 2009, 400, 463-469.	4.4	38
366	Cosmic cartography of the large-scale structure with Sloan Digital Sky Survey data release 6. Monthly Notices of the Royal Astronomical Society, 2009, 400, 183-203.	4.4	64
367	Cosmic microwave background anomalies viewed via Gumbel statistics. Monthly Notices of the Royal Astronomical Society, 2009, 400, 898-902.	4.4	7
368	Lensing reconstruction from Planck sky maps: inhomogeneous noise. Monthly Notices of the Royal Astronomical Society, 2009, 400, 2169-2173.	4.4	31
369	The study of topology of the Universe using multipole vectors. Monthly Notices of the Royal Astronomical Society, 2009, 396, 609-623.	4.4	17
370	Impact of modulation on CMB <i>B</i> i>mode polarization experiments. Monthly Notices of the Royal Astronomical Society, 2009, 397, 634-656.	4.4	17
371	Non-Gaussian signatures in the five-yearWMAPdata as identified with isotropic scaling indices. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1921-1933.	4.4	22
372	Geometry Images of Arbitrary Genus in the Spherical Domain. Computer Graphics Forum, 2009, 28, 2201-2215.	3.0	3
373	Probing primordial non Gaussianity in the BOOMERanG CMB maps: an analysis based on analytical Minkowski functionals. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 278-286.	0.4	2
374	Practical wavelet design on the sphere. Applied and Computational Harmonic Analysis, 2009, 26, 143-160.	2.2	42
375	Tessellated mapping of cosmic background radiation correlations and source distributions. Astrophysical Bulletin, 2009, 64, 263-269.	1.3	19
376	Analysis of the three-dimensional stellar velocity field using vector spherical functions. Astronomy Letters, 2009, 35, 100-113.	1.0	26
377	Detecting a stochastic gravitational-wave background: The overlap reduction function. Physical Review D, 2009, 79, .	4.7	29
378	Radio constraints on dark matter annihilation in the galactic halo and its substructures. Physical Review D, 2009, 79, .	4.7	51

#	Article	IF	CITATIONS
379	Characterizing the gravitational wave signature from cosmic string cusps. Physical Review D, 2009, 79,	4.7	26
380	Measurement of primordial non-Gaussianity using the WMAP 5-year temperature skewness power spectrum. Physical Review D, 2009, 80, .	4.7	22
381	Searching for non-Gaussianity in the WMAP data. Physical Review D, 2009, 79, .	4.7	20
382	CMB polarization map derived from the WMAP 5Âyear data through the harmonic internal linear combination method. Physical Review D, 2009, 79, .	4.7	22
383	Estimators for CMB statistical anisotropy. Physical Review D, 2009, 80, .	4.7	174
384	Probing the anisotropies of a stochastic gravitational-wave background using a network of ground-based laser interferometers. Physical Review D, 2009, 80, .	4.7	88
385	Reconstructing patchy reionization from the cosmic microwave background. Physical Review D, 2009, 79, .	4.7	83
386	Model independent foreground power spectrum estimation using WMAP 5-year data. Physical Review D, 2009, 79, .	4.7	3
387	Polarized CMB power spectrum estimation using the pure pseudo-cross-spectrum approach. Physical Review D, 2009, 79, .	4.7	68
388	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> OBSERVATIONS: COSMOLOGICAL INTERPRETATION. Astrophysical Journal, Supplement Series, 2009, 180, 330-376.	7.7	4,114
389	Anisotropic dark energy and CMB anomalies. Physical Review D, 2009, 80, .	4.7	42
390	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> OBSERVATIONS: ANGULAR POWER SPECTRA. Astrophysical Journal, Supplement Series, 2009, 180, 296-305.	7.7	291
391	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> OBSERVATIONS: DATA PROCESSING, SKY MAPS, AND BASIC RESULTS. Astrophysical Journal, Supplement Series, 2009, 180, 225-245.	7.7	1,316
392	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> PARAMETERS FROM THE <i>WMAP</i> DATA. Astrophysical Journal, Supplement Series, 2009, 180, 306-329.	7.7	1,337
393	Is the cold spot responsible for the CMB North-South asymmetry?. Physical Review D, 2009, 80, .	4.7	19
394	Properties and use of CMB power spectrum likelihoods. Physical Review D, 2009, 79, .	4.7	25
395	Structure-aware viewpoint selection for volume visualization. , 2009, , .		9
396	Independent Component Analysis of the Gamma Ray Spectrometer data of SELENE (Kaguya)., 2009,,.		2

#	Article	IF	Citations
397	FIVE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> FUNCTIONS. Astrophysical Journal, Supplement Series, 2009, 180, 246-264.	7.7	68
398	IMPROVED SIMULATION OF NON-GAUSSIAN TEMPERATURE AND POLARIZATION COSMIC MICROWAVE BACKGROUND MAPS. Astrophysical Journal, Supplement Series, 2009, 184, 264-270.	7.7	56
399	Polarized spots in anisotropic open universes. Classical and Quantum Gravity, 2009, 26, 172001.	4.0	7
400	Modelling non-Gaussianity from foreground contaminants. Journal of Physics: Conference Series, 2009, 189, 012006.	0.4	1
402	Statistical challenges in the analysis of Cosmic Microwave Background radiation. Annals of Applied Statistics, 2009, 3, .	1,1	29
403	Kolmogorov cosmic microwave background sky. Astronomy and Astrophysics, 2009, 497, 343-346.	5.1	29
404	The power spectrum of the cosmic microwave background Kolmogorov maps: possible clue to correlation of voids. Astronomy and Astrophysics, 2009, 506, L37-L40.	5.1	4
405	THE STATISTICAL SIGNIFICANCE OF THE "DARK FLOW― Astrophysical Journal, 2009, 707, L42-L44.	4.5	36
406	Asymptotics for spherical needlets. Annals of Statistics, 2009, 37, .	2.6	102
407	A Geodesic Map Projection for Quadrilaterals. Cartography and Geographic Information Science, 2009, 36, 131-147.	3.0	O
408	MARGINAL DISTRIBUTIONS FOR COSMIC VARIANCE LIMITED COSMIC MICROWAVE BACKGROUND POLARIZATION DATA. Astrophysical Journal, Supplement Series, 2009, 180, 30-37.	7.7	10
409	PReBeaM FOR PLANCK: A POLARIZED REGULARIZED BEAM DECONVOLUTION MAP-MAKING METHOD. Astrophysical Journal, Supplement Series, 2009, 181, 533-542.	7.7	14
410	Metric-aware processing of spherical imagery. ACM Transactions on Graphics, 2010, 29, 1-10.	7.2	7
411	An overview of the Planck mission. Proceedings of the International Astronomical Union, 2010, 6, 268-273.	0.0	1
412	SPH Radiative Hydrodynamics Methods. Proceedings of the International Astronomical Union, 2010, 6, 195-202.	0.0	0
413	Radiation Driven Implosion and Triggered Star Formation. Proceedings of the International Astronomical Union, 2010, 6, 263-266.	0.0	1
414	Relevance of ion-channeling for direct DM detection. Journal of Physics: Conference Series, 2010, 203, 012042.	0.4	2
415	TENTATIVE DETECTION OF QUASAR FEEDBACK FROM WMAP AND SDSS CROSS-CORRELATION. Astrophysical Journal, 2010, 720, 299-305.	4.5	21

#	Article	IF	Citations
416	<i>Planck</i> pre-launch status: The <i>Planck</i> LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	5.1	81
417	PARAMETER ESTIMATION FROM IMPROVED MEASUREMENTS OF THE COSMIC MICROWAVE BACKGROUND FROM QUaD. Astrophysical Journal, 2010, 716, 1040-1046.	4.5	15
418	C IV EMISSION-LINE DETECTION OF THE SUPERNOVA REMNANT RCW 114. Astrophysical Journal, 2010, 709, 823-831.	4.5	9
419	GALAXY COUNTS ON THE COSMIC MICROWAVE BACKGROUND COLD SPOT. Astrophysical Journal, 2010, 714, 825-833.	4.5	38
420	NON-GAUSSIANITIES IN THE LOCAL CURVATURE OF THE FIVE-YEAR WMAP DATA. Astrophysical Journal, 2010, 718, 66-71.	4.5	1
421	PRIMORDIAL NON-GAUSSIANITY AND THE NRAO VLA SKY SURVEY. Astrophysical Journal Letters, 2010, 717, L17-L21.	8.3	59
422	EFFECT OF COSMIC ULTRAVIOLET BACKGROUND ON STAR FORMATION IN HIGH-REDSHIFT GALAXIES. Astrophysical Journal Letters, 2010, 721, L79-L81.	8.3	16
423	A NEW MEASUREMENT OF THE BULK FLOW OF X-RAY LUMINOUS CLUSTERS OF GALAXIES. Astrophysical Journal Letters, 2010, 712, L81-L85.	8.3	157
424	Residual noise covariance forPlancklow-resolution data analysis. Astronomy and Astrophysics, 2010, 522, A94.	5.1	9
425	SIGNIFICANT FOREGROUND UNRELATED NON-ACOUSTIC ANISOTROPY ON THE 1 DEGREE SCALE IN <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> 5-YEAR OBSERVATIONS. Astrophysical Journal, 2010, 708, 375-380.	4.5	1
426	EXTRAGALACTIC MILLIMETER-WAVE SOURCES IN SOUTH POLE TELESCOPE SURVEY DATA: SOURCE COUNTS, CATALOG, AND STATISTICS FOR AN 87 SQUARE-DEGREE FIELD. Astrophysical Journal, 2010, 719, 763-783.	4.5	252
427	THE ERROR BUDGET OF THE DARK FLOW MEASUREMENT. Astrophysical Journal, 2010, 719, 77-87.	4.5	22
428	MEASUREMENTS OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2010, 719, 1045-1066.	4.5	145
429	Non-parametric modeling of the intra-cluster gas using APEX-SZ bolometer imaging data. Astronomy and Astrophysics, 2010, 519, A29.	5.1	38
430	THE TWO- AND THREE-POINT CORRELATION FUNCTIONS OF THE POLARIZED FIVE-YEARWMAPSKY MAPS. Astrophysical Journal, 2010, 710, 689-697.	4.5	2
431	NeedATool: A NEEDLET ANALYSIS TOOL FOR COSMOLOGICAL DATA PROCESSING. Astrophysical Journal, 2010, 723, 1-9.	4.5	26
432	Measuring Planck beams with planets. Astronomy and Astrophysics, 2010, 510, A58.	5.1	16
433	FORECAST FOR THEPLANCKPRECISION ON THE TENSOR-TO-SCALAR RATIO AND OTHER COSMOLOGICAL PARAMETERS. Astrophysical Journal, 2010, 724, 588-607.	4.5	18

#	Article	IF	CITATIONS
434	LOCAL NON-GAUSSIANITY IN THE COSMIC MICROWAVE BACKGROUND THE BAYESIAN WAY. Astrophysical Journal, 2010, 724, 1262-1269.	4.5	17
435	EVIDENCE OF QUASI-LINEAR SUPER-STRUCTURES IN THE COSMIC MICROWAVE BACKGROUND AND GALAXY DISTRIBUTION. Astrophysical Journal, 2010, 724, 12-25.	4.5	24
436	FAR-ULTRAVIOLET EMISSION-LINE MORPHOLOGIES OF THE SUPERNOVA REMNANT G65.3+5.7. Astrophysical Journal, 2010, 722, 388-394.	4.5	4
437	<i>Planck</i> pre-launch status: The <i>Planck</i> mission. Astronomy and Astrophysics, 2010, 520, A1.	5.1	268
438	The Palermo <i>Swift</i> -BAT hard X-ray catalogue. Astronomy and Astrophysics, 2010, 510, A48.	5.1	74
439	The Palermo <i>Swift</i> -BAT hard X-ray catalogue. Astronomy and Astrophysics, 2010, 524, A64.	5.1	149
440	New uniform grids on the sphere. Astronomy and Astrophysics, 2010, 520, A63.	5.1	36
441	Directional Anisotropy of Swift Gamma-Ray Bursts. AIP Conference Proceedings, 2010, , .	0.4	2
442	DIRECTIONAL VARIATIONS OF THE NON-GAUSSIANITY PARAMETER <i>f</i> fsub>NL. Astrophysical Journal, 2010, 708, 1321-1325.	4.5	31
443	PROPERTIES OF GALACTIC CIRRUS CLOUDS OBSERVED BY BOOMERANG. Astrophysical Journal, 2010, 713, 959-969.	4.5	58
444	ANOMALOUS PARITY ASYMMETRY OF THE <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> POWER SPECTRUM DATA AT LOW MULTIPOLES. Astrophysical Journal Letters, 2010, 714, L265-L267.	8.3	106
445	SIMULATIONS OF THE MICROWAVE SKY. Astrophysical Journal, 2010, 709, 920-936.	4.5	158
446	GIANT RINGS IN THE COSMIC MICROWAVE BACKGROUND SKY. Astrophysical Journal, 2010, 724, 374-378.	4.5	22
447	GALACTIC FOREGROUNDS: SPATIAL FLUCTUATIONS AND A PROCEDURE FOR REMOVAL. Astrophysical Journal, 2010, 720, 1181-1201.	4.5	27
448	Understanding the WMAP Cold Spot mystery. Astrophysical Bulletin, 2010, 65, 101-120.	1.3	27
449	Axial symmetries in WMAP ILC data. Astrophysical Bulletin, 2010, 65, 187-195.	1.3	4
450	GRB sky distribution puzzles. Astrophysical Bulletin, 2010, 65, 238-249.	1.3	12
451	Univiewer utility for fast interactive 3D visualization of CMB maps in HEALPix pixelizaton. Astrophysical Bulletin, 2010, 65, 296-299.	1.3	2

#	Article	IF	Citations
452	Dominant multipoles in WMAP5 mosaic data correlation maps. Astrophysical Bulletin, 2010, 65, 390-399.	1.3	16
453	CMB constraints on non-commutative geometry during inflation. European Physical Journal C, 2010, 69, 521-529.	3.9	3
454	Disks in the sky: A reassessment of the WMAP "cold spot― Astroparticle Physics, 2010, 33, 69-74.	4.3	53
455	CRT: A numerical tool for propagating ultra-high energy cosmic rays through Galactic magnetic field models. Astroparticle Physics, 2010, 34, 198-204.	4.3	15
456	New evidence for lack of CMB power on large scales. Science China: Physics, Mechanics and Astronomy, 2010, 53, 567-570.	5.1	3
457	Directional detection as a strategy to discover Galactic Dark Matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 156-162.	4.1	68
458	Treatment of star catalog biases in asteroid astrometric observations. Icarus, 2010, 210, 158-181.	2.5	72
459	Large-angle correlations in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2010, 407, 2530-2542.	4.4	44
460	Detecting bispectral acoustic oscillations from inflation using a new flexible estimator. Monthly Notices of the Royal Astronomical Society, 0, 407, 2193-2206.	4.4	47
461	The primordial non-Gaussianity of local type (flocalNL) in the WMAP 5-year data: the length distribution of CMB skeleton. Monthly Notices of the Royal Astronomical Society, 2010, 407, 2141-2156.	4.4	5
462	Measuring cosmic magnetic fields by rotation measure-galaxy cross-correlations in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2010, 408, 684-694.	4.4	21
463	BOOMERanG constraints on primordial non-Gaussianity from analytical Minkowski functionals. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1658-1665.	4.4	20
464	Maximum likelihood, parametric component separation and CMB B-mode detection in suborbital experiments. Monthly Notices of the Royal Astronomical Society, 2010, 408, 2319-2335.	4.4	32
465	Polarization as an indicator of intrinsic alignment in radio weak lensing. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	19
466	On the optimality of the spherical Mexican hat wavelet estimator for the primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	10
467	No evidence for the cold spot in the NVSS radio survey. Monthly Notices of the Royal Astronomical Society, 2010, 403, 2-8.	4.4	34
468	Modelling the Galactic magnetic field on the plane in two dimensions. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1013-1028.	4.4	100
469	Impact of calibration errors on CMB component separation using FastICA and ILC. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1602-1612.	4.4	23

#	Article	IF	CITATIONS
470	Zonal modes of Cosmic Microwave Background temperature maps. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2202-2206.	4.4	2
471	Frequentist comparison of CMB local extrema statistics in the five-yearWMAPdata with two anisotropic cosmological models. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2379-2387.	4.4	8
472	New insights into the foreground analysis of the WMAP 5-year data using fastica. Monthly Notices of the Royal Astronomical Society, 2010, 402, 207-225.	4.4	13
473	The Sunyaev-Zel'dovich effect in <i>Wilkinson Microwave Anisotropy Probe</i> data. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1179-1194.	4.4	22
474	Cross-correlatingWMAP5 with 1.5 million LRGs: a new test for the ISW effect. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2228-2244.	4.4	43
475	The axis of evil - a polarization perspective. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1739-1748.	4.4	37
476	Integrated Sachs-Wolfe measurements with photometric redshift surveys: 2MASS results and future prospects. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2-13.	4.4	50
477	Constraints on fNL and gNL from the analysis of the N-pdf of the CMB large-scale anisotropies. Monthly Notices of the Royal Astronomical Society, 0, 404, 895-907.	4.4	30
478	Clustering at 74 MHz. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	2
479	Extragalactic gamma-ray background radiation from dark matter annihilation. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	30
480	The Parkes Galactic Meridian Survey: observations and CMB polarization foreground analysis. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	9
481	The evolution of luminous red galaxies in the Sloan Digital Sky Survey 7th data release. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	7
482	Correlated component analysis for diffuse component separation with error estimation on simulated Planck polarization data. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	4
483	An estimate of the local integrated Sachs-Wolfe signal and its impact on cosmic microwave background anomalies. Monthly Notices of the Royal Astronomical Society, 2010, 406, 14-21.	4.4	51
484	Power asymmetries in the cosmic microwave background temperature and polarization patterns. Monthly Notices of the Royal Astronomical Society, 2010, 407, 399-404.	4.4	39
485	Full-sky map of the ISW and Rees-Sciama effect from Gpc simulations. Monthly Notices of the Royal Astronomical Society, 2010, 407, 201-224.	4.4	63
486	Fast and precise map-making for massively multi-detector CMB experiments. Monthly Notices of the Royal Astronomical Society, 2010, 407, 1387-1402.	4.4	22
487	Baryon acoustic oscillations in the Sloan Digital Sky Survey Data Release 7 galaxy sample. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2148-2168.	4.4	1,400

#	Article	IF	CITATIONS
488	An anomalous <i>Wilkinson Microwave Anisotropy Probe </i> Notices of the Royal Astronomical Society, 2010, 402, 1213-1220.	4.4	6
489	Cosmological constraints from the clustering of the Sloan Digital Sky Survey DR7 luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	221
490	Estimates of unresolved point source contribution to WMAP 5. Monthly Notices of the Royal Astronomical Society, 2010, 407, 247-257.	4.4	4
491	Foreground influence on primordial non-Gaussianity estimates: needlet analysis of WMAP5-year data. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	8
492	Partial CMB maps: bias removal and optimal binning of the angular power spectrum. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	3
493	Poisson denoising on the sphere: application to the Fermigamma ray space telescope. Astronomy and Astrophysics, 2010, 517, A26.	5.1	22
494	ANALYSIS OF SPATIAL STRUCTURE OF THE SPICA H II REGION. Astrophysical Journal, 2010, 719, 1964-1968.	4.5	11
495	E/B decomposition of CMB polarization pattern of incomplete sky: a pixel space approach. Astronomy and Astrophysics, 2010, 519, A104.	5.1	30
496	Extracting cosmological signals from foregrounds in deep mm maps of the sky. Astronomy and Astrophysics, 2010, 524, A7.	5.1	3
497	Reconstruction of the cosmic microwave background lensing for <i>Planck</i> . Astronomy and Astrophysics, 2010, 519, A4.	5.1	28
498	Making cosmic microwave background temperature and polarization maps with MADAM. Astronomy and Astrophysics, 2010, 510, A57.	5.1	47
499	On the suspected timing error in Wilkinson microwave anisotropy probe map-making. Astronomy and Astrophysics, 2010, 518, A34.	5.1	10
500	<i>Planck</i> pre-launch status: Low Frequency Instrument optics. Astronomy and Astrophysics, 2010, 520, A7.	5.1	23
501	An all-sky catalogue of cold cores observed with <i>Planck</i> -HFI: simulation and colour detection algorithms. Astronomy and Astrophysics, 2010, 522, A83.	5.1	27
502	Constraining the regular Galactic magnetic field with the 5-year WMAP polarization measurements at 22ÂGHz. Astronomy and Astrophysics, 2010, 522, A73.	5.1	21
503	<i>Planck</i> pre-launch status: High Frequency Instrument polarization calibration. Astronomy and Astrophysics, 2010, 520, A13.	5.1	82
504	The Palermo <i>Swift</i> -BAT hard X-ray catalogue. Astronomy and Astrophysics, 2010, 510, A47.	5.1	74
505	Spherical Harmonic Transforms and Convolutions on the GPU. Journal of Graphics Tools, 2010, 15, 13-27.	0.3	1

#	Article	IF	CITATIONS
506	THE PRECISION ARRAY FOR PROBING THE EPOCH OF RE-IONIZATION: EIGHT STATION RESULTS. Astronomical Journal, 2010, 139, 1468-1480.	4.7	357
507	MADmap: A MASSIVELY PARALLEL MAXIMUM LIKELIHOOD COSMIC MICROWAVE BACKGROUND MAP-MAKER. Astrophysical Journal, Supplement Series, 2010, 187, 212-227.	7.7	64
508	A spherical robot-centered representation for urban navigation. , 2010, , .		33
509	A Comprehensive Overview of the Cold Spot. Advances in Astronomy, 2010, 2010, 1-20.	1.1	49
510	Multiple Depth DB Tables Indexing on the Sphere. Advances in Astronomy, 2010, 2010, 1-11.	1.1	3
511	Foregrounds: Unveiling the Galactic Weather to the CMB. EAS Publications Series, 2010, 40, 437-442.	0.3	0
512	FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2010, 188, 405-436.	7.7	851
513	FAST AND EXACT SPIN- <i>>s</i> > SPHERICAL HARMONIC TRANSFORMS. Astrophysical Journal, Supplement Series, 2010, 189, 255-260.	7.7	30
514	The cut-sky cosmic microwave background is not anomalous. Physical Review D, 2010, 81, .	4.7	36
515	Adaptive Langevin Sampler for Separation of \$t\$-Distribution Modelled Astrophysical Maps. IEEE Transactions on Image Processing, 2010, 19, 2357-2368.	9.8	9
516	Spectrum of the Isotropic Diffuse Gamma-Ray Emission Derived from First-Year Fermi Large Area Telescope Data. Physical Review Letters, 2010, 104, 101101.	7.8	433
517	Too few spots in the cosmic microwave background. Physical Review D, 2010, 81, .	4.7	14
518	Non-Gaussianity in WMAP data due to the correlation of CMB lensing potential with secondary anisotropies. Physical Review D, 2010, 81, .	4.7	18
519	Inferring social ties from geographic coincidences. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22436-22441.	7.1	374
520	A STUDY OF GAUSSIANITY IN CMB BAND MAPS. International Journal of Modern Physics D, 2010, 19, 1405-1409.	2.1	2
521	NON-GAUSSIANITY IN THE HILC FOREGROUND-REDUCED THREE-YEAR WMAP CMB MAP. International Journal of Modern Physics D, 2010, 19, 1411-1416.	2.1	2
522	Level set estimation on the sphere. , 2010, , .		1
523	A note on non-free isometric immersions. Russian Mathematical Surveys, 2010, 65, 577-579.	0.6	O

#	Article	IF	CITATIONS
524	Normal-state conductance used to probe superconducting tunnel junctions for quantum computing. Superconductor Science and Technology, 2010, 23, 045002.	3.5	1
525	Near- to mid-IR refractive index of 28Si, 29Si and 30Si monoisotopic single crystals. Quantum Electronics, 2010, 40, 753-755.	1.0	5
526	Is laser cooling for heavy-ion fusion feasible?. Nuclear Fusion, 2010, 50, 125006.	3.5	0
527	FAST AND OPTIMAL COSMIC MICROWAVE BACKGROUND LENSING USING STATISTICAL INTERPOLATION ON THE SPHERE. Astrophysical Journal, Supplement Series, 2010, 191, 32-42.	7.7	11
528	Prospects on Determining Electric Dipole Moments of \hat{l}_{Σ} and \hat{l}_{Σ} Hyperons at BESIII. Chinese Physics Letters, 2010, 27, 051101.	3.3	1
529	Painlev \tilde{A} property of the modified C-KdV equation and its exact solutions. Chinese Physics B, 2010, 19, 060202.	1.4	2
530	Effects of Pairing Correlations on Formation of Proton Halo in ⁹ C. Chinese Physics Letters, 2010, 27, 092101.	3.3	3
531	Study of the e ⁺ e ^{â°'} to hadrons via ISR at BABAR. Chinese Physics C, 2010, 34, 660-668.	3.7	1
532	Tiny tool converts light to electricity. Physics Education, 2010, 45, 224-226.	0.5	0
533	Influence of liquid and gas compressibility on the growth of waves in thin liquid sheets. Fluid Dynamics Research, 2010, 42, 035508.	1.3	4
534	Stochastic Four-State Mechanochemical Model of F \cdot sub>1 \cdot /sub>-ATPase. Communications in Theoretical Physics, 2010, 54, 630-634.	2.5	1
535	A UNIFIED SOLUTION FOR THE ORBIT AND LIGHT-TIME EFFECT IN THE V505 Sgr SYSTEM. Astronomical Journal, 2010, 139, 2258-2268.	4.7	8
536	Evaluation of digital image correlation techniques using realistic ground truth speckle images. Measurement Science and Technology, 2010, 21, 055102.	2.6	16
537	The design and testing of a cooling system using mixed solid cryogen for a portable superconducting magnetic energy storage system. Superconductor Science and Technology, 2010, 23, 125006.	3.5	23
538	Ionization Detection of Ultracold Ground State Cesium Molecules. Chinese Physics Letters, 2010, 27, 053701.	3.3	0
539	The Swiss-Cheese toy model in the light of the CMB. , 2010, , .		0
540	The integrated Sachs-Wolfe effect: a confirmation for the case of dark energy. , 2010, , .		0
541	The Data Big Bang and the Expanding Digital Universe: High-Dimensional, Complex and Massive Data Sets in an Inflationary Epoch. Advances in Astronomy, 2010, 2010, 1-16.	1.1	16

#	Article	IF	CITATIONS
542	Kolmogorov analysis detecting radio and Fermi gamma-ray sources in cosmic microwave background maps. Europhysics Letters, 2010, 91, 19001.	2.0	10
543	Channeling in direct dark matter detection I: channeling fraction in NaI (TI) crystals. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 019-019.	5.4	69
544	Hunting for primordial non-Gaussianity in the cosmic microwave background. Classical and Quantum Gravity, 2010, 27, 124010.	4.0	189
545	Hot pixel contamination in the CMB correlation function?. Classical and Quantum Gravity, 2010, 27, 095009.	4.0	12
546	The Cosmic Neutrino Background anisotropy — linear theory. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 020-020.	5.4	14
547	Non-detection of a statistically anisotropic power spectrum in large-scale structure. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 027-027.	5.4	49
548	Modeling the WMAP large-angle anomalies as an effect of a local density inhomogeneity. Research in Astronomy and Astrophysics, 2010, 10, 116-124.	1.7	6
549	CHARACTERIZATION OF THE BICEP TELESCOPE FOR HIGH-PRECISION COSMIC MICROWAVE BACKGROUND POLARIMETRY. Astrophysical Journal, 2010, 711, 1141-1156.	4.5	62
550	Channeling in direct dark matter detection II: channeling fraction in Si and Ge crystals. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 028-028.	5.4	24
551	Constraining primordial non-Gaussianity with high-redshift probes. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 013-013.	5.4	53
552	Channeling in direct dark matter detection III: channeling fraction in CsI crystals. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 029-029.	5.4	12
553	Probing cosmic strings with satellite CMB measurements. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 018-018.	5.4	11
554	Large scale directional anomalies in the WMAP 5yr ILC map. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 019-019.	5.4	15
555	Distributed gradient-domain processing of planar and spherical images. ACM Transactions on Graphics, 2010, 29, 1-11.	7.2	25
556	Searching for a cosmological preferred axis: Union2 data analysis and comparison with other probes. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 012-012.	5.4	115
557	MEASUREMENT OF COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRA FROM TWO YEARS OF BICEP DATA. Astrophysical Journal, 2010, 711, 1123-1140.	4.5	194
558	Anomalous parity asymmetry of WMAP 7-year power spectrum data at low multipoles: Is it cosmological or systematics?. Physical Review D, 2010, 82, .	4.7	62
559	Numerical Integration on the Sphere. , 2010, , 1185-1219.		35

#	Article	IF	Citations
560	Optimal Estimation and Detection in Homogeneous Spaces. IEEE Transactions on Signal Processing, 2010, 58, 2623-2635.	5.3	7
561	BAYESIAN ANALYSIS OF AN ANISOTROPIC UNIVERSE MODEL: SYSTEMATICS AND POLARIZATION. Astrophysical Journal, 2010, 722, 452-459.	4.5	79
562	Searches for cosmic-ray electron anisotropies with the Fermi Large Area Telescope. Physical Review D, 2010, 82, .	4.7	64
563	Non-Gaussianity in the foreground-reduced CMB maps. Physical Review D, 2010, 81, .	4.7	20
564	Analytic Minkowski functionals of the cosmic microwave background: Second-order non-Gaussianity with bispectrum and trispectrum. Physical Review D, 2010, 81 , .	4.7	75
565	Constraining the unexplored period between the dark ages and reionization with observations of the global $21 {\rm \^{A}cm}$ signal. Physical Review D, 2010, 82, .	4.7	131
566	Asymmetric beams and CMB statistical anisotropy. Physical Review D, 2010, 81, .	4.7	86
567	Generating Uniform Incremental Grids on <i>SO</i> (3) Using the Hopf Fibration. International Journal of Robotics Research, 2010, 29, 801-812.	8.5	121
568	Separating <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:math>types of polarization on an incomplete sky. Physical Review D, 2010, 82, .</mml:math></mml:math>	4.7	32
569	Non-Gaussianity and large-scale structure in a two-field inflationary model. Physical Review D, 2010, 82, .	4.7	37
570	On Floatingâ€Point Normal Vectors. Computer Graphics Forum, 2010, 29, 1405-1409.	3.0	26
571	Beam profile sensitivity of the WMAP CMB power spectrum. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 407, L16-L20.	3.3	5
573	General CMB and primordial bispectrum estimation: Mode expansion, map making, and measures of <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>F</mml:mi><mml:mi>NL</mml:mi></mml:msub></mml:math> . Physical Review D, 2010, 82, .	4.7	128
574	Efficient computation of spherical harmonic transform using parallel architecture of CUDA., 2011,,.		О
575	Constraints on dark matter models from a Fermi LAT search for high-energy cosmic-ray electrons from the Sun. Physical Review D, 2011, 84, .	4.7	29
576	Earth as an Extrasolar Planet: Earth Model Validation Using EPOXI Earth Observations. Astrobiology, 2011, 11, 393-408.	3.0	161
577	Testing the statistical isotropy of large scale structure with multipole vectors. Physical Review D, 2011, 84, .	4.7	5
578	Framework for performance forecasting and optimization of CMB <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode observations in the presence of astrophysical foregrounds. Physical Review D. 2011. 84	4.7	18

#	Article	IF	CITATIONS
579	Non-Gaussian extrema counts for CMB maps. Physical Review D, 2011, 84, .	4.7	19
580	Avoiding bias in reconstructing the largest observable scales from partial-sky data. Physical Review D, 2011, 84, .	4.7	12
581	Cosmic string induced CMB maps. Physical Review D, 2011, 83, .	4.7	15
582	Spherical harmonics analysis of <i>Fermi</i> gamma-ray data and the Galactic dark matter halo. Physical Review D, 2011, 84, .	4.7	3
583	Improved method for detecting local discontinuities in CMB data by finite differencing. Physical Review D, 2011, 83, .	4.7	1
584	Dark Energy. Communications in Theoretical Physics, 2011, 56, 525-604.	2.5	649
585	Extension of Image Quilting into 3D and Its Application to Grain Generation. Computer-Aided Design and Applications, 2011, 8, 545-555.	0.6	4
586	Extragalactic Fields Optimized for Adaptive Optics. Publications of the Astronomical Society of the Pacific, 2011, 123, 348-365.	3.1	3
587	AKARI-CAS—Online Service for AKARI All-Sky Catalogues. Publications of the Astronomical Society of the Pacific, 2011, 123, 852-864.	3.1	14
588	Development of 2MASS Catalog Server Kit. Publications of the Astronomical Society of the Pacific, 2011, 123, 1324-1333.	3.1	3
589	Directional wavelet analysis on the sphere: Application to gravity and topography of the terrestrial planets. Journal of Geophysical Research, $2011, 116, \ldots$	3.3	36
590	Testing a direction-dependent primordial power spectrum with observations of the cosmic microwave background. Physical Review D, 2011, 83, .	4.7	28
591	First observational tests of eternal inflation: Analysis methods and WMAP 7-year results. Physical Review D, 2011, 84, .	4.7	48
592	A Novel Sampling Theorem on the Sphere. IEEE Transactions on Signal Processing, 2011, 59, 5876-5887.	5.3	252
593	First Observational Tests of Eternal Inflation. Physical Review Letters, 2011, 107, 071301.	7.8	56
594	Reconstructing signals from noisy data with unknown signal and noise covariance. Physical Review E, 2011, 84, 041118.	2.1	22
595	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: POWER SPECTRA AND <i>WMAP</i> -DERIVED PARAMETERS. Astrophysical Journal, Supplement Series, 2011, 192, 16.	7.7	1,207
596	Large-scale traces of Solar system cold dust on cosmic microwave background anisotropies. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2546-2552.	4.4	12

#	Article	IF	CITATIONS
597	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: COSMOLOGICAL INTERPRETATION. Astrophysical Journal, Supplement Series, 2011, 192, 18.	7.7	6,656
598	ARE THERE ECHOES FROM THE PRE-BIG-BANG UNIVERSE? A SEARCH FOR LOW-VARIANCE CIRCLES IN THE COSMIC MICROWAVE BACKGROUND SKY. Astrophysical Journal, 2011, 740, 52.	4.5	13
599	Fast Eigenspace Decomposition of Images of Objects With Variation in Illumination and Pose. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 318-329.	5.0	8
600	A SEARCH FOR CONCENTRIC CIRCLES IN THE 7 YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> TEMPERATURE SKY MAPS. Astrophysical Journal Letters, 2011, 733, L29.	8.3	23
601	Libpsht – algorithms for efficient spherical harmonic transforms. Astronomy and Astrophysics, 2011, 526, A108.	5.1	22
602	Effect of Fourier filters in removing periodic systematic effects from CMB data. Astronomy and Astrophysics, 2011, 529, A141.	5.1	0
603	THROUGH THICK AND THIN—H I ABSORPTION IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal Letters, 2011, 737, L37.	8.3	115
604	MAPPING CLOUDS AND TERRAIN OF EARTH-LIKE PLANETS FROM PHOTOMETRIC VARIABILITY: DEMONSTRATION WITH PLANETS IN FACE-ON ORBITS. Astrophysical Journal Letters, 2011, 739, L62.	8.3	56
605	COMPARISON OF THE DIFFUSE HÎ \pm AND FUV CONTINUUM BACKGROUNDS: ON THE ORIGINS OF THE DIFFUSE HBACKGROUND. Astrophysical Journal, 2011, 743, 188.	α 4.5	25
606	A weakly random Universe?. Astronomy and Astrophysics, 2011, 525, L7.	5.1	9
607	INTEGRATED SACHS-WOLFE IMPRINT OF SUPERSTRUCTURES ON LINEAR SCALES. Astrophysical Journal, 2011, 732, 27.	4.5	35
608	The galaxy cluster <i>Y</i> _{SZ} â^' <i>L</i> _X and <i>Y</i> _{SZ} â^' <i>M</i> relations from the WMAP 5-yr data. Astronomy and Astrophysics, 2011, 525, A139.	5.1	37
609	<i>Planck</i> early results. XXI. Properties of the interstellar medium in the Galactic plane. Astronomy and Astrophysics, 2011, 536, A21.	5.1	119
610	<i>Planck</i> early results. XVIII. The power spectrum of cosmic infrared background anisotropies. Astronomy and Astrophysics, 2011, 536, A18.	5.1	180
611	<i>Planck</i> early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds. Astronomy and Astrophysics, 2011, 536, A17.	5.1	123
612	<i>Planck</i> early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations. Astronomy and Astrophysics, 2011, 536, A12.	5.1	100
613	<i>Planck</i> early results. II. The thermal performance of <i>Planck</i> . Astronomy and Astrophysics, 2011, 536, A2.	5.1	91
614	Joint 3D modelling of the polarized Galactic synchrotron and Athermal dust foreground diffuse emission. Astronomy and Astrophysics, 2011, 526, A145.	5.1	34

#	Article	IF	CITATIONS
615	Data compression on the sphere. Astronomy and Astrophysics, 2011, 531, A98.	5.1	12
616	ARKCoS: artifact-suppressed accelerated radial kernel convolution on the sphere. Astronomy and Astrophysics, 2011, 532, A35.	5.1	5
617	A Sino-German <i>λ</i> 6Âcm polarization survey of the Galactic plane. Astronomy and Astrophysics, 2011, 527, A74.	5.1	45
618	DETECTION OF ANOMALOUS MICROWAVE EMISSION IN THE PLEIADES REFLECTION NEBULA WITH WILKINSON MICROWAVE ANISOTROPY PROBE i>AND THE COSMOSOMAS EXPERIMENT. Astrophysical Journal, 2011, 743, 67.	4.5	19
619	A FOREGROUND-CLEANED COSMIC MICROWAVE BACKGROUND MAP FROM NON-GAUSSIANITY MEASUREMENT. Astrophysical Journal Letters, 2011, 739, L56.	8.3	16
621	Probing magnetic helicity with synchrotron radiation and Faraday rotation. Astronomy and Astrophysics, 2011, 530, A89.	5.1	23
622	DIFFUSE EMISSION MEASUREMENT WITH THE SPECTROMETER ON (i) INTEGRAL (/i) AS AN INDIRECT PROBE OF COSMIC-RAY ELECTRONS AND POSITRONS. Astrophysical Journal, 2011, 739, 29.	4.5	71
623	<i>Planck</i> early results. XX. New light on anomalous microwave emission from spinning dust grains. Astronomy and Astrophysics, 2011, 536, A20.	5.1	155
624	How to make a clean separation between CMB E and B modes with proper foreground masking. Astronomy and Astrophysics, 2011, 531, A32.	5.1	23
625	<i>Planck</i> early results. XXV. Thermal dust in nearby molecular clouds. Astronomy and Astrophysics, 2011, 536, A25.	5.1	184
626	Faraday caustics. Astronomy and Astrophysics, 2011, 535, A85.	5.1	17
627	MEASURING THE DARK FLOW WITH PUBLIC X-RAY CLUSTER DATA. Astrophysical Journal, 2011, 732, 1.	4.5	64
628	<i>Planck</i> early results. XXII. The submillimetre properties of a sample of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A22.	5.1	88
629	<i>Planck</i> early results. VI. The High Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A6.	5.1	116
630	<i>Planck</i> early results. XXIII. The first all-sky survey of Galactic cold clumps. Astronomy and Astrophysics, 2011, 536, A23.	5.1	152
631	<i>Planck</i> early results. V. The Low Frequency Instrument data processing. Astronomy and Astrophysics, 2011, 536, A5.	5.1	77
632	Discrete Spherical Harmonic Transforms for Equiangular Grids of Spatial and Spectral Data. Journal of Geodetic Science, 2011, 1, 9-16.	1.0	4
633	<i>Planck</i> early results. VII. The Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2011, 536, A7.	5.1	224

#	Article	IF	CITATIONS
634	<i>Planck</i> early results. XIX. All-sky temperature and dust optical depth from <i>Planck</i> and IRAS. Constraints on the "dark gas―in our Galaxy. Astronomy and Astrophysics, 2011, 536, A19.	5.1	314
635	<i>Planck</i> early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. Astronomy and Astrophysics, 2011, 536, A24.	5.1	179
636	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. Astrophysical Journal, 2011, 740, 16.	4.5	103
637	SENSITIVITY OF BLIND PULSAR SEARCHES WITH THE <i>FERMI</i> LARGE AREA TELESCOPE. Astrophysical Journal, 2011, 742, 126.	4.5	14
638	<i>Planck</i> early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters. Astronomy and Astrophysics, 2011, 536, A10.	5.1	124
639	<i>Planck</i> early results. IV. First assessment of the High Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A4.	5.1	136
640	<i>Planck</i> early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. Astronomy and Astrophysics, 2011, 536, A8.	5.1	335
641	<i>Planck</i> early results. I. The <i>Planck</i> mission. Astronomy and Astrophysics, 2011, 536, A1.	5.1	394
642	THE DEGENERACY PROBLEM IN LAMBDA-CDM COSMOLOGICAL MODELS. International Journal of Modern Physics Conference Series, 2011, 03, 246-253.	0.7	1
643	ANALYSIS OF PRIMORDIAL NON-GAUSSIANITIES IN CMB DATA. International Journal of Modern Physics Conference Series, 2011, 03, 266-275.	0.7	0
644	LARGE-ANGLE NON-GAUSSIANITY IN SIMULATED HIGH-RESOLUTION CMB MAPS. International Journal of Modern Physics Conference Series, 2011, 03, 286-293.	0.7	1
645	Discrete Spherical Harmonic Transforms of Nearly Equidistributed Global Data. Journal of Geodetic Science, 2011, 1, 251-258.	1.0	3
646	Channeling Effects in Direct Dark Matter Detectors. Journal of Physics: Conference Series, 2011, 315, 012003.	0.4	0
647	Testing discrete symmetries with the cosmic microwave background: current constraints and Planck forecasts. Journal of Physics: Conference Series, 2011, 335, 012009.	0.4	1
648	THE ATACAMA COSMOLOGY TELESCOPE: COSMOLOGY FROM GALAXY CLUSTERS DETECTED VIA THE SUNYAEV-ZEL'DOVICH EFFECT. Astrophysical Journal, 2011, 732, 44.	4.5	140
649	OBSERVATIONAL SCAN-INDUCED ARTIFICIAL COSMIC MICROWAVE BACKGROUND ANISOTROPY. Astrophysical Journal, 2011, 732, 125.	4.5	7
650	IMPROVED CONSTRAINTS ON COSMIC MICROWAVE BACKGROUND SECONDARY ANISOTROPIES FROM THE COMPLETE 2008 SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2011, 736, 61.	4.5	86
651	SPIDER OPTIMIZATION. II. OPTICAL, MAGNETIC, AND FOREGROUND EFFECTS. Astrophysical Journal, 2011, 738, 63.	4.5	9

#	Article	IF	CITATIONS
652	STATISTICS OF GAMMA-RAY POINT SOURCES BELOW THE <i>FERMI </i> Journal, 2011, 738, 181.	4.5	59
653	SIMPLE FOREGROUND CLEANING ALGORITHM FOR DETECTING PRIMORDIAL <i>B</i> -MODE POLARIZATION OF THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal, 2011, 737, 78.	4.5	58
654	CONSTRAINTS ON THE POLARIZATION OF THE ANOMALOUS MICROWAVE EMISSION IN THE PERSEUS MOLECULAR COMPLEX FROM SEVEN-YEAR <i>WMAP</i>) DATA. Astrophysical Journal, 2011, 729, 25.	4.5	42
655	MEASURING THE GALAXY CLUSTER BULK FLOW FROM (i>WMAP (i>DATA. Astrophysical Journal, 2011, 737, 98.	4.5	51
656	DARK MATTER DECAY AND ANNIHILATION IN THE LOCAL UNIVERSE: CLUES FROM <i>FERMI</i> Astrophysical Journal Letters, 2011, 726, L6.	8.3	19
657	FAST GENERATION OF ENSEMBLES OF COSMOLOGICAL <i>N</i> -BODY SIMULATIONS VIA MODE RESAMPLING. Astrophysical Journal, 2011, 737, 11.	4.5	37
658	LACK OF ANGULAR CORRELATION AND ODD-PARITY PREFERENCE IN COSMIC MICROWAVE BACKGROUND DATA. Astrophysical Journal, 2011, 739, 79.	4.5	34
659	TEMPLATES FOR THE SUNYAEV-ZEL'DOVICH ANGULAR POWER SPECTRUM. Astrophysical Journal, 2011, 727, 94.	4.5	90
660	INTRODUCING MEXICAN NEEDLETS FOR CMB ANALYSIS: ISSUES FOR PRACTICAL APPLICATIONS AND COMPARISON WITH STANDARD NEEDLETS. Astrophysical Journal, 2011, 733, 121.	4.5	26
661	FAR-ULTRAVIOLET SPECTRAL IMAGES OF THE ORION-ERIDANUS SUPERBUBBLE REGION. Astrophysical Journal, 2011, 738, 91.	4.5	11
662	Possible detection of the M 31 rotation in WMAP data. Astronomy and Astrophysics, 2011, 534, L8.	5.1	16
663	THE ATACAMA COSMOLOGY TELESCOPE: CALIBRATION WITH THE < i>WILKINSON MICROWAVE ANISOTROPY PROBE < /i> USING CROSS-CORRELATIONS. Astrophysical Journal, 2011, 740, 86.	4.5	34
664	A CONSTRAINT ON THE INTEGRATED MASS POWER SPECTRUM OUT TO $\langle i \rangle z \langle j \rangle = 1100$ FROM LENSING OF THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal Letters, 2011, 728, L1.	8.3	19
665	Iterative destriping and photometric calibration for <i>Planck </i> HFI, polarized, multi-detector map-making. Astronomy and Astrophysics, 2011, 534, A88.	5.1	18
666	RADIATION-DRIVEN IMPLOSION AND TRIGGERED STAR FORMATION. Astrophysical Journal, 2011, 736, 142.	4.5	100
667	ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. Astrophysical Journal, 2011, 734, 4.	4.5	64
668	MEASURING BULK FLOW OF GALAXY CLUSTERS USING KINEMATIC SUNYAEV-ZELDOVICH EFFECT: PREDICTION FOR <i>PLANCK</i> . Astrophysical Journal, 2011, 736, 116.	4.5	18
669	NEW 145 MHz SOURCE MEASUREMENTS BY PAPER IN THE SOUTHERN SKY. Astrophysical Journal Letters, 2011, 734, L34.	8.3	37

#	Article	IF	CITATIONS
670	A deconvolution map-making method for experiments with circular scanning strategies. Astronomy and Astrophysics, 2011, 532, A55.	5.1	5
671	MODELING THE INFRARED SPECTRUM OF THE EARTH-MOON SYSTEM: IMPLICATIONS FOR THE DETECTION AND CHARACTERIZATION OF EARTHLIKE EXTRASOLAR PLANETS AND THEIR MOONLIKE COMPANIONS. Astrophysical Journal, 2011, 741, 51.	4.5	51
672	THE EFFECT OF PECULIAR VELOCITIES ON SUPERNOVA COSMOLOGY. Astrophysical Journal, 2011, 741, 67.	4.5	93
673	FIRST SEASON QUIET OBSERVATIONS: MEASUREMENTS OF COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRA AT 43 GHz IN THE MULTIPOLE RANGE 25 â@½ \$ell\$ â@½ 475. Astrophysical Jo 2011, 741, 111.	er s al,	84
674	CROSS-POWER SPECTRUM AND ITS APPLICATION ON WINDOW FUNCTIONS IN THE <i>WILKINSON MICROWAVE ANISOTROPY PROBE </i> i>DATA. Astrophysical Journal, 2011, 738, 188.	4.5	4
675	Distortion of the ultrahigh energy cosmic ray flux from rare transient sources in inhomogeneous extragalactic magnetic fields. Astronomy and Astrophysics, 2011, 528, A109.	5.1	16
676	CONSTRAINTS ON COSMIC-RAY PROPAGATION MODELS FROM A GLOBAL BAYESIAN ANALYSIS. Astrophysical Journal, 2011, 729, 106.	4.5	268
677	<i>Planck</i> early results. III. First assessment of the Low Frequency Instrument in-flight performance. Astronomy and Astrophysics, 2011, 536, A3.	5.1	108
678	The interstellar cosmic-ray electron spectrum from synchrotron radiation and direct measurements. Astronomy and Astrophysics, 2011, 534, A54.	5.1	150
679	Cosmic microwave background polarization as a probe of the anomalous nature of the cold spot. Monthly Notices of the Royal Astronomical Society, 2011, 410, 33-38.	4.4	14
680	Testing the correlations between ultrahigh energy cosmic rays and the Veron-Cetty and Veron catalogue of quasars and active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2011, 410, 263-272.	4.4	4
681	CMB and SZ effect separation with constrained Internal Linear Combinations. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2481-2487.	4.4	138
682	Can one reconstruct the masked cosmic microwave background sky?. Monthly Notices of the Royal Astronomical Society, 2011, 411, 124-136.	4.4	13
683	Gravitational lensing of the cosmic microwave background by non-linear structures. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1067-1076.	4.4	8
684	New constraints on parity symmetry from a re-analysis of the WMAP-7 low-resolution power spectra. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1445-1452.	4.4	70
685	Wilkinson Microwave Anisotropy Probe 7-yr constraints on fNL with a fast wavelet estimator. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2019-2025.	4.4	10
686	Shear power spectrum reconstruction using the pseudo-spectrum method. Monthly Notices of the Royal Astronomical Society, 2011, 412, 65-74.	4.4	57
687	Statistical characterization of cosmic microwave background temperature patterns in anisotropic cosmologies. Monthly Notices of the Royal Astronomical Society, 2011, 412, 492-502.	4.4	10

#	Article	IF	CITATIONS
688	Foreground maps in Wilkinson Microwave Anisotropy Probe frequency bands. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	1
689	Application of XFaster power spectrum and likelihood estimator to Planck. Monthly Notices of the Royal Astronomical Society, 2011, 414, 823-846.	4.4	15
690	The angular power spectra of photometric Sloan Digital Sky Survey luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 412, 1669-1685.	4.4	31
691	Constraints on the topology of the Universe derived from the 7-yr WMAP data. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2104-2110.	4.4	28
692	Anomalous variance in the WMAP data and Galactic foreground residuals. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2383-2390.	4.4	35
693	Subtraction of point sources from interferometric radio images through an algebraic forward modelling scheme. Monthly Notices of the Royal Astronomical Society, 2011, 413, 411-422.	4.4	30
694	Understanding the faint red galaxy population using large-scale clustering measurements from SDSS DR7. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2078-2086.	4.4	19
695	Probing hot gas in galaxy groups through the Sunyaev-Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 2011, 413, 3039-3058.	4.4	9
696	Effect of foregrounds on the cosmic microwave background radiation multipole alignment. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1032-1046.	4.4	11
697	Anisotropies in the diffuse gamma-ray background from dark matter with Fermi LAT: a closer look. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2040-2054.	4.4	28
698	enzo+moray: radiation hydrodynamics adaptive mesh refinement simulations with adaptive ray tracing. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3458-3491.	4.4	145
699	Anisotropies in the gamma-ray sky from millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1074-1082.	4.4	38
700	Joint Bayesian separation and restoration of cosmic microwave background from convolutional mixtures. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1334-1342.	4.4	0
701	Future virialized structures: an analysis of superstructures in the SDSS-DR7. Monthly Notices of the Royal Astronomical Society, 2011, 415, 964-976.	4.4	36
702	Scale-dependent non-Gaussianities in the WMAP data as identified by using surrogates and scaling indices. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2205-2214.	4.4	11
703	Does stellar mass assembly history vary with environment?. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2818-2826.	4.4	3
704	Fast and accurate computation of the aberration kernel for the cosmic microwave background sky. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3227-3236.	4.4	30
705	A novel approach for accurate radiative transfer in cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3731-3749.	4.4	26

#	Article	IF	CITATIONS
706	Constraints onâ€,fNL fromâ€,Wilkinson Microwave Anisotropy Probeâ€,7-year data using a neural network classifier. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	4
707	Connecting synchrotron, cosmic rays and magnetic fields in the plane of the Galaxy. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1152-1162.	4.4	59
708	A cross-correlation study of the Fermi-LAT \hat{I}^3 -ray diffuse extragalactic signal. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2247-2264.	4.4	44
709	Intergalactic filaments as isothermal gas cylinders. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2678-2687.	4.4	12
710	Constraints on general primordial non-Gaussianity using wavelets for the Wilkinson Microwave Anisotropy Probe 7-year data. Monthly Notices of the Royal Astronomical Society, 2011, 417, 488-494.	4.4	15
711	Large-scale polarized foreground component separation for Planck. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1498-1510.	4.4	8
712	Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1350-1373.	4.4	155
713	Rotational effects in the system of proper motions of the UCAC3 catalogue. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1952-1963.	4.4	9
714	A two-point correlation function for Galactic halo stars. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2206-2215.	4.4	24
715	Clustering of photometric luminous red galaxies - I. Growth of structure and baryon acoustic feature. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2577-2591.	4.4	37
716	The ISW-tSZ cross-correlation: integrated Sachs-Wolfe extraction out of pure cosmic microwave background data. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2207-2218.	4.4	26
717	Foreground component separation with generalized Internal Linear Combination. Monthly Notices of the Royal Astronomical Society, 2011, 418, 467-476.	4.4	114
718	A non-ideal magnetohydrodynamic gadget: simulating massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2234-2250.	4.4	91
719	Galactic foreground contributions to the 5-yearâ€,Wilkinson Microwave Anisotropy Probeâ€,maps. Monthly Notices of the Royal Astronomical Society, 2011, 418, 888-905.	4.4	45
720	Rigging dark haloes: why is hierarchical galaxy formation consistent with the inside-out build-up of thin discs?. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2493-2507.	4.4	163
721	New constraints on the polarization of anomalous microwave emission in nearby molecular clouds. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 418, L35-L39.	3.3	39
722	Compressed sensing for wide-field radio interferometric imaging. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1318-1332.	4.4	48
723	The link between galactic satellite orbits and subhalo accretion. Monthly Notices of the Royal Astronomical Society, 2011, 413, 3013-3021.	4.4	77

#	Article	IF	CITATIONS
724	Bias in low-multipole cosmic microwave background reconstructions. Monthly Notices of the Royal Astronomical Society, 2011, 418, 505-515.	4.4	15
725	Channeling in solid Xe, Ar and Ne direct dark matter detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 162-169.	1.6	7
726	On high resolution head-related transfer function measurements: An efficient sampling scheme. IEEE Transactions on Audio Speech and Language Processing, $2011, \ldots$	3.2	23
727	On azimuthally symmetric 2-sphere convolution. , 2011, 21, 660-666.		26
728	Galactic magnetic turbulence from radio data. Astroparticle Physics, 2011, 35, 170-176.	4.3	9
729	Crusta: A new virtual globe for real-time visualization of sub-meter digital topography at planetary scales. Computers and Geosciences, 2011, 37, 75-85.	4.2	31
730	Uniform spherical grids via equal area projection from the cube to the sphere. Journal of Computational and Applied Mathematics, 2011, 236, 1033-1041.	2.0	27
731	Determination of microwave background map inhomogeneity from angular power spectrum. Astrophysical Bulletin, 2011, 66, 345-354.	1.3	6
732	Non-Gaussianity of peak statistics in contrasting spots of WMAP ILC. Astrophysical Bulletin, 2011, 66, 407-415.	1.3	3
733	Investigation of the motions of fast stars based on observations with the Pulkovo normal astrograph. Astronomy Letters, 2011, 37, 420-430.	1.0	6
734	Spectral estimation on the sphere with needlets: high frequency asymptotics. Statistical Inference for Stochastic Processes, 2011, 14, 47-71.	0.6	1
735	On the computation of spherical designs by a new optimization approach based on fast spherical Fourier transforms. Numerische Mathematik, 2011, 119, 699-724.	1.9	47
736	Algorithmic issues for three-invariant hyperplastic Critical State models. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2297-2318.	6.6	17
737	GALPROP WebRun: An internet-based service for calculating galactic cosmic ray propagation and associated photon emissions. Computer Physics Communications, 2011, 182, 1156-1161.	7.5	172
738	QUBIC: The QU bolometric interferometer for cosmology. Astroparticle Physics, 2011, 34, 705-716.	4.3	47
739	Results from the ARGO-YBJ experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 22-27.	1.6	0
740	A cluster algorithm to search for anisotropies in the UHECR sky. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 227-232.	0.4	0
741	Overview of the first AGILE catalog of high-confidence gamma-ray sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 189-192.	1.6	0

#	Article	IF	Citations
742	Cosmic radio noise observations using a mid-latitude meteor radar. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1069-1076.	1.6	12
743	Cosmic microwave anisotropies in an inhomogeneous compact flat universe. Classical and Quantum Gravity, 2011, 28, 085017.	4.0	9
744	Induced CMB quadrupole from pointing offsets. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 001-001.	5.4	7
745	Constraints on primordial non-Gaussianity from large scale structure probes. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 033-033.	5.4	62
746	The shape of the CMB lensing bispectrum. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 018-018.	5 . 4	143
747	No evidence for anomalously low variance circles on the sky. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 033-033.	5.4	15
748	Do cosmological perturbations have zero mean?. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 048-048.	5.4	9
749	Integrated Markov Chain Monte Carlo (MCMC) analysis of primordial non-Gaussianity (fNL) in the recent CMB data. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 018-018.	5.4	0
750	Temperature and polarization patterns in anisotropic cosmologies. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 036-036.	5.4	7
751	Estimating the tensor-to-scalar ratio and the effect of residual foreground contamination. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 001-001.	5.4	11
752	Using CMB data to constrain non-isotropic Planck-scale modifications to Electrodynamics. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 003-003.	5.4	10
753	Measuring coherent motions in the universe. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 020-020.	5.4	18
754	Symmetry of the CMB sky as a new test of its statistical isotropy. Non cosmological octupole?. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 012-012.	5.4	9
755	Excess Clustering on Large Scales in the MegaZ DR7 Photometric Redshift Survey. Physical Review Letters, 2011, 106, 241301.	7.8	53
756	Efficient decomposition of cosmic microwave background polarization maps into pure <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> , pure <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> , and ambiguous components. Physical Review D, 2011,	4.7	20
757	83, . Multibaseline gravitational wave radiometry. Physical Review D, 2011, 83, .	4.7	15
758	The effect of a scanning flat fold mirror on a cosmic microwave background B-mode experiment. Review of Scientific Instruments, 2011, 82, 064502.	1.3	0
759	CMB temperature lensing power reconstruction. Physical Review D, 2011, 83, .	4.7	107

#	Article	IF	CITATIONS
760	CMB component separation in the pixel domain. Physical Review D, 2011, 83, .	4.7	17
761	Daily modulation due to channeling in direct dark matter crystalline detectors. Physical Review D, 2011, 84, .	4.7	21
762	Improved dark energy detection through the polarization-assisted cross correlation of the cosmic microwave background with radio sources. Physical Review D, $2011, 83, .$	4.7	7
763	The First MAXI/GSC Catalog in the High Galactic-Latitude Sky. Publication of the Astronomical Society of Japan, 2011, 63, S677-S689.	2.5	20
764	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: GALACTIC FOREGROUND EMISSION. Astrophysical Journal, Supplement Series, 2011, 192, 15.	7.7	320
765	A method to constrain the characteristic angular size of the brightest cosmic-ray sources observed above 57 × 10 ¹⁸ eV. Astrophysics and Space Sciences Transactions, 2011, 7, 403-410.	1.0	0
766	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: SKY MAPS, SYSTEMATIC ERRORS, AND BASIC RESULTS. Astrophysical Journal, Supplement Series, 2011, 192, 14.	7.7	922
767	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> THERE COSMIC MICROWAVE BACKGROUND ANOMALIES?. Astrophysical Journal, Supplement Series, 2011, 192, 17.	7.7	448
768	FAST PIXEL SPACE CONVOLUTION FOR COSMIC MICROWAVE BACKGROUND SURVEYS WITH ASYMMETRIC BEAMS AND COMPLEX SCAN STRATEGIES: FEBeCoP. Astrophysical Journal, Supplement Series, 2011, 193, 5.	7.7	58
769	STATISTICAL CHARACTERIZATION OF THE CHANDRA SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2011, 194, 37.	7.7	13
770	PROPERTIES OF SATELLITE GALAXIES IN THE SDSS PHOTOMETRIC SURVEY: LUMINOSITIES, COLORS, AND PROJECTED NUMBER DENSITY PROFILES. Astronomical Journal, 2011, 142, 13.	4.7	37
771	OBSERVATION OF THE FAR-ULTRAVIOLET CONTINUUM BACKGROUND WITH SPEAR/FIMS. Astrophysical Journal, Supplement Series, 2011, 196, 15.	7.7	45
772	BLAZARS IN THE <i>FERMI</i> ERA: THE OVRO 40 m TELESCOPE MONITORING PROGRAM. Astrophysical Journal, Supplement Series, 2011, 194, 29.	7.7	394
773	SEVEN-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: PLANETS AND CELESTIAL CALIBRATION SOURCES. Astrophysical Journal, Supplement Series, 2011, 192, 19.	7.7	147
774	Search for Non-Gaussianities in the WMAP Data with the Scaling Index Method. Advances in Astronomy, 2011, 2011, 1-21.	1,1	6
775	THE ARGO-YBJ EXPERIMENT: A FULL COVERAGE ARRAY FOR γ-RAY ASTRONOMY. International Journal of Modern Physics D, 2011, 20, 2013-2018.	2.1	0
776	Use of a temporal approach to the three-dimensional image formation of a distant rough nonplanar object. Quantum Electronics, 2011, 41, 179-184.	1.0	0
777	Interference pattern generation in evanescent electromagnetic waves for nanoscale lithography using waveguide diffraction gratings. Quantum Electronics, 2011, 41, 759-764.	1.0	47

#	Article	IF	CITATIONS
778	On the problem of the diffraction pattern visibility in laser diffractometry of red blood cells. Quantum Electronics, 2011, 40, 1074-1076.	1.0	9
779	Depth-resolved monitoring of diffusion of hyperosmotic agents in normal and malignant human esophagus tissues using optical coherence tomographyin-vitro. Quantum Electronics, 2011, 41, 950-955.	1.0	3
780	DETECTION OF KOI-13.01 USING THE PHOTOMETRIC ORBIT. Astronomical Journal, 2011, 142, 195.	4.7	113
781	VARIABLES IN GLOBULAR CLUSTER NGC 5024. Astronomical Journal, 2011, 142, 179.	4.7	4
782	Explosive-Emission Plasma Dynamics in Ion Diode in Double-Pulse Mode. Plasma Science and Technology, 2011, 13, 698-701.	1.5	2
783	A Neurodynamical Model for Selective Visual Attention. Chinese Physics Letters, 2011, 28, 100502.	3.3	0
784	Quantum Discord Dynamics of Two Atoms Interacting with Two Quantized Field Modes through a Raman Interaction with Phase Decoherence. Chinese Physics Letters, 2011, 28, 070306.	3.3	3
785	Generalized minimum information path routing strategy on scale-free networks. Chinese Physics B, 2011, 20, 080501.	1.4	14
786	Planar saline bath phantom of the Rush head model. , 2011, 2011, 7266-9.		0
787	ELLIPTICITY OF STRUCTURES IN CMB SKY MAPS. International Journal of Modern Physics D, 2011, 20, 2253-2280.	2.1	6
788	THE GAUSS–LEGENDRE SKY PIXELIZATION FOR THE CMB POLARIZATION (GLESP-POL) ERRORS DUE TO PIXELIZATION OF THE CMB SKY. International Journal of Modern Physics D, 2011, 20, 1053-1078.	2.1	41
789	The Primordial Inflation Explorer (PIXIE): a nulling polarimeter for cosmic microwave background observations. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 025-025.	5.4	493
790	Observations of the Polarisation of the Anomalous Microwave Emission: A Review. Advances in Astronomy, 2012, 2012, 1-15.	1.1	24
791	THE FIRST THREE YEARS OF <i>IBEX</i> OBSERVATIONS AND OUR EVOLVING HELIOSPHERE. Astrophysical Journal, Supplement Series, 2012, 203, 1.	7.7	114
792	THE GALACTIC MAGNETIC FIELD. Astrophysical Journal Letters, 2012, 761, L11.	8.3	224
793	<i>In Situ</i> Observation of Recovery and Grain Growth in High Purity Aluminum. Materials Science Forum, 0, 715-716, 447-454.	0.3	4
794	CMB lensing and giant rings. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 006-006.	5.4	6
795	Ring-like features in directional dark matter detection. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 037-037.	5.4	33

#	Article	IF	CITATIONS
796	CMB lensing and primordial squeezed non-gaussianity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 011-011.	5.4	23
797	The behaviour of shape and velocity anisotropy in dark matter haloes. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 049-049.	5.4	23
798	Searching for hidden mirror symmetries in CMB fluctuations from WMAP 7 year maps. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 049-049.	5.4	15
799	Searching for stringy topologies in the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 020-020.	5.4	3
800	CMB lensing reconstruction in the presence of diffuse polarized foregrounds. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 017-017.	5.4	12
801	Probing the local velocity distribution of WIMP dark matter with directional detectors. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 029-029.	5.4	41
802	Constraints on massive neutrinos from the CFHTLS angular power spectrum. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 010-010.	5.4	37
803	WMAP 7 year constraints on CPT violation from large angle CMB anisotropies. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 023-023.	5.4	32
804	Beyond co-occurrence., 2012,,.		41
805	The Kolmogorov-Smirnov test for the CMB. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 009-009.	5.4	4
806	Can we detect hot/cold spots in the CMB with Minkowski Functionals?. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 048-048.	5.4	25
807	Radio data and synchrotron emission in consistent cosmic ray models. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 049-049.	5.4	48
808	Asymmetric velocity anisotropies in remnants of collisionless mergers. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 042-042.	5.4	12
809	Can residuals of the solar system foreground explain low multipole anomalies of the CMB?. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 059-059.	5.4	19
810	Measuring gravitational lensing of the cosmic microwave background using cross correlation with large scale structure. Physical Review D, 2012, 86, .	4.7	18
811	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Release 9 spectroscopic galaxy sample. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3435-3467.	4.4	738
812	PowellSnakes II: a fast Bayesian approach to discrete object detection in multi-frequency astronomical data sets. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1384-1400.	4.4	30
813	CMB <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi><mml:mi>E</mml:mi>B<mml:math>and<mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>T</mml:mi><mml:mi> Color Color </mml:mi></mml:math></mml:math></mml:math>	4.7	16

#	Article	IF	Citations
814	Test for anisotropy in the mean of the CMB temperature fluctuation in spherical harmonic space. Physical Review D, 2012, 85, .	4.7	3
815	How to detect gravitational waves through the cross correlation of the galaxy distribution with the CMB polarization. Physical Review D, $2012,85,.$	4.7	20
816	Optimal filters for detecting cosmic bubble collisions. Physical Review D, 2012, 85, .	4.7	26
817	First Constraints on the Running of Non-Gaussianity. Physical Review Letters, 2012, 109, 121302.	7.8	31
818	Searching for the continuum spectrum photons correlated to the 130ÂGeV gamma-ray line. Physical Review D, 2012, 86, .	4.7	28
819	Topological segmentation of indoors/outdoors sequences of spherical views. , 2012, , .		10
820	All sky CMB map from cosmic strings integrated Sachs-Wolfe effect. Physical Review D, 2012, 86, .	4.7	27
821	On the evolution of irradiated turbulent clouds: a comparative study between modes of triggered star formation. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1713-1724.	4.4	2
822	THE LONG WAVELENGTH ARRAY SOFTWARE LIBRARY. Journal of Astronomical Instrumentation, 2012, 01, .	1.5	31
823	LARGE SCALE ANISOTROPY DUE TO PRE-INFLATIONARY PHASE OF COSMIC EVOLUTION. Modern Physics Letters A, 2012, 27, 1250014.	1.2	20
824	Helium-Related Defect Evolution in Titanium Films by Slow Positron Beam Analysis. Chinese Physics Letters, 2012, 29, 047801.	3.3	7
825	On the interpretation of the independent components underlying the abdominal phonogram: a study of their physiological relevance. Physiological Measurement, 2012, 33, 297-314.	2.1	5
826	Return Probability of the Fibonacci Quantum Walk. Communications in Theoretical Physics, 2012, 58, 220-224.	2.5	4
827	Note on Higgs Decay into Two Photons <i>H</i> â†' $\hat{I}^3\hat{I}^3$. Communications in Theoretical Physics, 2012, 57, 427-434.	2.5	22
828	Bi-2212 and Y123 highly curved single-crystal-like objects: whiskers, bows and ring-like structures. Superconductor Science and Technology, 2012, 25, 105003.	3.5	12
829	Microwave spectroscopy: a potential technique to analyse bitumen dielectric and physical properties. Measurement Science and Technology, 2012, 23, 085503.	2.6	14
830	Shape-constrained regularization by statistical multiresolution for inverse problems: asymptotic analysis. Inverse Problems, 2012, 28, 065006.	2.0	9
831	The Leakage Current Improvement of a Ni-Silicided SiGe/Si Junction Using a Si Cap Layer and the PAI Technique. Chinese Physics Letters, 2012, 29, 058501.	3.3	5

#	Article	IF	Citations
832	Coherent Control of Photon Transmission in a Coupled-Resonator Waveguide Embedded in a Semiconductor Quantum Dot. Chinese Physics Letters, 2012, 29, 104206.	3.3	3
833	Measuring the eccentricity of the Earth's orbit with a nail and a piece of plywood. European Journal of Physics, 2012, 33, 1167-1178.	0.6	7
834	Nonadiabatic dynamics of electron injection into organic molecules. Chinese Physics B, 2012, 21, 077302.	1.4	0
835	Tabulation of Painlevé 6 transcendents. Nonlinearity, 2012, 25, 3235-3276.	1.4	16
836	Scattering of ultrasonic waves from porous piezoelectric multilayered structures immersed in a fluid. Smart Materials and Structures, 2012, 21, 125002.	3.5	6
837	The effect of two-dimensional shear flow on the stability of a crystal interface in a supercooled melt. Chinese Physics B, 2012, 21, 086401.	1.4	1
838	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal, 2012, 760, 148.	4. 5	27
839	Almost-uniform sampling of rotations for conformational searches in Robotics and Structural Biology. , 2012, , .		6
840	Symmetry and Antisymmetry of the CMB Anisotropy Pattern. Advances in Astronomy, 2012, 2012, 1-21.	1.1	12
841	Spectrum of the Anomalous Microwave Emission in the North Celestial Pole with <i>WMAP </i> 7-Year Data. Advances in Astronomy, 2012, 2012, 1-8.	1.1	2
842	CMB Map Restoration. Advances in Astronomy, 2012, 2012, 1-15.	1.1	3
843	A TECHNIQUE FOR PRIMARY BEAM CALIBRATION OF DRIFT-SCANNING, WIDE-FIELD ANTENNA ELEMENTS. Astronomical Journal, 2012, 143, 53.	4.7	34
844	Abnormal correlation in WMAP data: parity violation or data flaw?. Physica Scripta, 2012, T151, 014083.	2.5	0
845	WAVEMOTH-FAST SPHERICAL HARMONIC TRANSFORMS BY BUTTERFLY MATRIX COMPRESSION. Astrophysical Journal, Supplement Series, 2012, 199, 5.	7.7	22
846	NEUTRAL INTERSTELLAR HELIUM PARAMETERS BASED ON IBEX-Lo OBSERVATIONS AND TEST PARTICLE CALCULATIONS. Astrophysical Journal, Supplement Series, 2012, 198, 12.	7.7	145
847	PRECISION POINTING OF IBEX-Lo OBSERVATIONS. Astrophysical Journal, Supplement Series, 2012, 198, 9.	7.7	19
848	SWIPE: a bolometric polarimeter for the Large-Scale Polarization Explorer. Proceedings of SPIE, 2012, ,	0.8	32
849	Connecting the time domain community with the Virtual Astronomical Observatory. , 2012, , .		3

#	Article	IF	CITATIONS
850	GENERALIZED ORTHONORMAL PIECEWISE CONSTANT WAVELET BASES WITH 1–4 SPLITTING. International Journal of Wavelets, Multiresolution and Information Processing, 2012, 10, 1250001.	1.3	0
851	FAR-ULTRAVIOLET SPECTRAL IMAGES OF THE VELA SUPERNOVA REMNANT: SUPPLEMENTS AND COMPARISONS WITH OTHER WAVELENGTH IMAGES. Astrophysical Journal, 2012, 761, 135.	4.5	8
852	Reconstruction Algorithms for Directional Neutron Detection Using a Time Projection Chamber. Nuclear Technology, 2012, 180, 231-240.	1.2	4
853	A COMPARATIVE STUDY OF NON-GAUSSIANITY IN ILC–7YR CMB MAP. International Journal of Modern Physics Conference Series, 2012, 18, 156-163.	0.7	1
854	A TWO-DIMENSIONAL INFRARED MAP OF THE EXTRASOLAR PLANET HD 189733b. Astrophysical Journal Letters, 2012, 747, L20.	8.3	140
855	ON THE LINEAR TERM CORRECTION FOR NEEDLET/WAVELET NON-GAUSSIANITY ESTIMATORS. Astrophysical Journal, 2012, 755, 19.	4.5	19
856	ANALYSIS OFWMAP7 YEAR TEMPERATURE DATA: ASTROPHYSICS OF THE GALACTIC HAZE. Astrophysical Journal, 2012, 755, 69.	4.5	9
857	SECOND SEASON QUIET OBSERVATIONS: MEASUREMENTS OF THE COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRUM AT 95 GHz. Astrophysical Journal, 2012, 760, 145.	4.5	79
858	A comparison of algorithms for the construction of SZ cluster catalogues. Astronomy and Astrophysics, 2012, 548, A51.	5.1	23
859	COSMIC MICROWAVE BACKGROUND CONSTRAINTS ON THE DURATION AND TIMING OF REIONIZATION FROM THE SOUTH POLE TELESCOPE. Astrophysical Journal, 2012, 756, 65.	4.5	128
860	CONFINED POPULATION III ENRICHMENT AND THE PROSPECTS FOR PROMPT SECOND-GENERATION STAR FORMATION. Astrophysical Journal, 2012, 761, 56.	4.5	95
861	A coordinate-independent technique for detecting globally inhomogeneous flat topologies. Astronomy and Astrophysics, 2012, 540, A29.	5.1	1
862	3DEX: a code for fast spherical Fourier-Bessel decomposition of 3D surveys. Astronomy and Astrophysics, 2012, 540, A60.	5.1	34
863	PARITY IN THE COSMIC MICROWAVE BACKGROUND: SPACE ODDITY. Astrophysical Journal, 2012, 748, 39.	4.5	23
864	Simultaneous <i>Planck </i> , <i>Swift </i> , and <i>Fermi </i> observations of X-ray and <i<math>\hat{i}-ray selected blazars. Astronomy and Astrophysics, 2012, 541, A160.</i<math>	5.1	166
865	DETECTION OF NEW POINT SOURCES INWMAP7 YEAR DATA USING INTERNAL TEMPLATES AND NEEDLETS. Astrophysical Journal, 2012, 753, 27.	4.5	9
866	The astrometric core solution for the <i>Gaia </i> mission. Astronomy and Astrophysics, 2012, 538, A78.	5.1	187
867	<i>FERMI</i> -LAT OBSERVATIONS OF THE DIFFUSE \hat{I}^3 -RAY EMISSION: IMPLICATIONS FOR COSMIC RAYS AND THE INTERSTELLAR MEDIUM. Astrophysical Journal, 2012, 750, 3.	4.5	535

#	Article	IF	CITATIONS
868	Spherical 3D isotropic wavelets. Astronomy and Astrophysics, 2012, 540, A92.	5.1	25
869	THE BIRTH OF A GALAXY: PRIMORDIAL METAL ENRICHMENT AND STELLAR POPULATIONS. Astrophysical Journal, 2012, 745, 50.	4.5	357
870	A NEW MODEL OF THE GALACTIC MAGNETIC FIELD. Astrophysical Journal, 2012, 757, 14.	4. 5	433
871	CAN GROUND-BASED TELESCOPES DETECT THE OXYGEN 1.27 μm ABSORPTION FEATURE AS A BIOMARKER IN EXOPLANETS?. Astrophysical Journal, 2012, 758, 13.	4.5	30
872	f _{NL} from galactic foregrounds. Journal of Physics: Conference Series, 2012, 375, 032010.	0.4	1
873	ANOMALOUS ANISOTROPIC CROSS-CORRELATIONS BETWEENWMAPCMB MAPS AND SDSS GALAXY DISTRIBUTION AND IMPLICATIONS ON THE DARK FLOW SCENARIO. Astrophysical Journal, 2012, 758, 130.	4.5	4
874	A PUBLIC VOID CATALOG FROM THE SDSS DR7 GALAXY REDSHIFT SURVEYS BASED ON THE WATERSHED TRANSFORM. Astrophysical Journal, 2012, 761, 44.	4.5	134
875	MASKING VERSUS REMOVING POINT SOURCES IN CMB DATA: THE SOURCE-CORRECTED < i > WMAP < / i > POWER SPECTRUM FROM NEW EXTENDED CATALOG. Astrophysical Journal, 2012, 761, 119.	4.5	3
876	SEARCH FOR SPATIALLY EXTENDED < i > FERMI < /i > LARGE AREA TELESCOPE SOURCES USING TWO YEARS OF DATA. Astrophysical Journal, 2012, 756, 5.	4.5	125
877	HARMONIC IN-PAINTING OF COSMIC MICROWAVE BACKGROUND SKY BY CONSTRAINED GAUSSIAN REALIZATION. Astrophysical Journal Letters, 2012, 750, L9.	8.3	21
878	SEARCH FOR DARK MATTER SATELLITES USING <i>FERMI</i> I>-LAT. Astrophysical Journal, 2012, 747, 121.	4.5	130
879	MAPPING EARTH ANALOGS FROM PHOTOMETRIC VARIABILITY: SPIN-ORBIT TOMOGRAPHY FOR PLANETS IN INCLINED ORBITS. Astrophysical Journal, 2012, 755, 101.	4.5	86
880	HOT AND COLD SPOT COUNTS AS PROBES OF NON-GAUSSIANITY IN THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal, 2012, 755, 122.	4.5	20
881	ONE THOUSAND AND ONE CLUSTERS: MEASURING THE BULK FLOW WITH THE PLANCK ESZ AND X-RAY-SELECTED GALAXY CLUSTER CATALOGS. Astrophysical Journal, 2012, 758, 4.	4.5	22
882	BULK FLOW OF HALOS IN ΕCDM SIMULATION. Astrophysical Journal, 2012, 761, 151.	4.5	22
883	A MEASUREMENT OF SECONDARY COSMIC MICROWAVE BACKGROUND ANISOTROPIES WITH TWO YEARS OF SOUTH POLE TELESCOPE OBSERVATIONS. Astrophysical Journal, 2012, 755, 70.	4.5	228
884	DIRECT MEASUREMENT OF THE ANGULAR POWER SPECTRUM OF COSMIC MICROWAVE BACKGROUND TEMPERATURE ANISOTROPIES IN THE <i>WMAP </i> IDATA. Astrophysical Journal, 2012, 751, 43.	4.5	4
885	Cosmic structure and dynamics of the local Universe. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 427, L35-L39.	3.3	20

#	Article	IF	CITATIONS
886	High spatial resolution studies of epithermal neutron emission from the lunar poles: Constraints on hydrogen mobility. Journal of Geophysical Research, 2012, 117, .	3.3	38
887	Faraday rotation as a diagnostic of Galactic foreground contamination of cosmic microwave background maps. Monthly Notices of the Royal Astronomical Society, 2012, 426, 57-69.	4.4	18
888	Compact groups of galaxies selected by stellar mass: the 2MASS compact group catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 426, 296-316.	4.4	35
889	The effect of the linear term on the wavelet estimator of primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1361-1368.	4.4	8
890	Data challenges of time domain astronomy. Distributed and Parallel Databases, 2012, 30, 371-384.	1.6	21
891	A model-independent analysis of the Fermi Large Area Telescope gamma-ray data from the Milky Way dwarf galaxies and halo to constrain dark matter scenarios. Astroparticle Physics, 2012, 37, 26-39.	4.3	45
892	RELION: Implementation of a Bayesian approach to cryo-EM structure determination. Journal of Structural Biology, 2012, 180, 519-530.	2.8	4,715
893	Rapid Development of Interferometric Software Using MIRIAD and Python. Publications of the Astronomical Society of the Pacific, 2012, 124, 624-636.	3.1	7
894	Recoiling Ion-Channeling in Direct DM Detectors. Journal of Physics: Conference Series, 2012, 384, 012007.	0.4	2
895	Structure-Aware Lighting Design for Volume Visualization. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2372-2381.	4.4	11
896	Statistics of bipolar representation of CMB maps. Physical Review D, 2012, 85, .	4.7	13
897	Non-Gaussian statistics of critical sets in 2D and 3D: Peaks, voids, saddles, genus, and skeleton. Physical Review D, 2012, 85, .	4.7	75
898	Mapping the large-angle deviation from Gaussianity in simulated CMB maps. Physical Review D, 2012, 85,	4.7	16
899	New limit on pseudoscalar-photon mixing from WMAP observations. Physical Review D, 2012, 86, .	4.7	7
900	Model of the polarized foreground diffuse Galactic emissions from 33 to 353GHz. Astroparticle Physics, 2012, 36, 57-63.	4.3	6
901	Constraints on the global topology and size of the universe from the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 003-003.	5.4	19
902	The birth of a galaxy – II. The role of radiation pressure. Monthly Notices of the Royal Astronomical Society, 2012, 427, 311-326.	4.4	147
903	A 20 GHz bright sample for δ> +72° - I. Catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2107-2114.	4.4	4

#	Article	IF	CITATIONS
904	The significance of the integrated Sachs-Wolfe effect revisited. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2581-2599.	4.4	83
905	An optimal estimator for the CMB-LSS angular power spectrum and its application to WMAP and NVSS data. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3044-3054.	4.4	21
906	Dipoles in the sky. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1994-2021.	4.4	106
907	<scp>3d-pdr</scp> : a new three-dimensional astrochemistry code for treating photodissociation regions. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2100-2118.	4.4	87
909	Anisotropies in the diffuse gamma-ray background measured by the Fermi LAT. Physical Review D, 2012, 85, .	4.7	87
910	Non-Gaussian structure of the lensed CMB power spectra covariance matrix. Physical Review D, 2012, 86, .	4.7	53
911	CONSTRAINTS ON THE GALACTIC HALO DARK MATTER FROM <i>FERMI</i> li>-LAT DIFFUSE MEASUREMENTS. Astrophysical Journal, 2012, 761, 91.	4.5	186
912	<i>FERMI</i> LARGE AREA TELESCOPE SECOND SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2012, 199, 31.	7.7	1,079
913	Enhanced hydrogen at the lunar poles: New insights from the detection of epithermal and fast neutron signatures. Journal of Geophysical Research, 2012, 117, .	3.3	16
914	Anisotropies in the diffuse gamma-ray background measured by the Fermi-LAT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 127-131.	1.6	1
915	A needlet-based approach to the shower-mode data analysis in the ARGO-YBJ experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 170-173.	1.6	6
916	Observation of anisotropy in the arrival direction distribution of cosmic rays above TeV energies with IceCube. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 165-169.	1.6	1
917	An Area Preserving Projection from the Regular Octahedron to the Sphere. Results in Mathematics, 2012, 62, 429-444.	0.8	5
918	Improving stochastic estimates with inference methods: Calculating matrix diagonals. Physical Review E, 2012, 85, 021134.	2.1	9
919	BAYESIAN NOISE ESTIMATION FOR NON-IDEAL COSMIC MICROWAVE BACKGROUND EXPERIMENTS. Astrophysical Journal, Supplement Series, 2012, 199, 15.	7.7	6
920	CORRELATIONS IN THE (SUB)MILLIMETER BACKGROUND FROM ACT × BLAST. Astrophysical Journal, 2012, 744, 40.	4.5	27
921	An improved map of the Galactic Faraday sky. Astronomy and Astrophysics, 2012, 542, A93.	5.1	208
922	A hybrid approach to cosmic microwave background lensing reconstruction from all-sky intensity maps. Astronomy and Astrophysics, 2012, 544, A27.	5.1	12

#	Article	IF	CITATIONS
923	THE SPECTRAL ENERGY DISTRIBUTION OF THE CARINA NEBULA FROM FAR-INFRARED TO RADIO WAVELENGTHS. Astrophysical Journal, 2012, 748, 1.	4.5	19
924	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. Astrophysical Journal, 2012, 746, 33.	4.5	115
925	A MEASUREMENT OF GRAVITATIONAL LENSING OF THE MICROWAVE BACKGROUND USING SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2012, 756, 142.	4.5	212
926	Extragalactic Compact Sources in the Planck Sky and Their Cosmological Implications. , 0, , .		1
927	FAR-ULTRAVIOLET OBSERVATION OF THE AQUILA RIFT WITHFIMS/SPEAR. Astrophysical Journal, 2012, 754, 10.	4.5	7
928	MEASURING THE REDSHIFT DEPENDENCE OF THE COSMIC MICROWAVE BACKGROUND MONOPOLE TEMPERATURE WITH PLANCK DATA. Astrophysical Journal, 2012, 757, 144.	4.5	17
929	ISOTROPY IN THE TWO-POINT ANGULAR CORRELATION FUNCTION OF THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal Letters, 2012, 748, L20.	8.3	2
930	Polarisation properties of Milky-Way-like galaxies. Astronomy and Astrophysics, 2012, 543, A127.	5.1	12
931	ArtDeco: a beam-deconvolution code for absolute cosmic microwave background measurements. Astronomy and Astrophysics, 2012, 548, A110.	5.1	18
932	A QUANTITATIVE COMPARISON OF LUNAR ORBITAL NEUTRON DATA. Astrophysical Journal, 2012, 747, 6.	4.5	18
933	DISTRIBUTION OF MAXIMAL LUMINOSITY OF GALAXIES IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, 2012, 759, 100.	4.5	4
934	Application of the Kolmogorov-Smirnov test to CMB data: Is the universe really weakly random?. Astronomy and Astrophysics, 2012, 538, A17.	5.1	6
935	IS THE COSMIC MICROWAVE BACKGROUND ASYMMETRY DUE TO THE KINEMATIC DIPOLE?. Astrophysical Journal, 2012, 749, 31.	4.5	36
936	Multichannel Poisson denoising and deconvolution on the sphere: application to the <i>Fermi < /i> Gamma-ray Space Telescope. Astronomy and Astrophysics, 2012, 546, A114.</i>	5.1	17
937	Identification of galaxy clusters in cosmic microwave background maps using the Sunyaev-Zel'dovich effect. Astronomy and Astrophysics, 2012, 545, A34.	5.1	5
938	Efficient least-squares basket-weaving. Astronomy and Astrophysics, 2012, 547, A119.	5.1	9
939	Small-scale galactic emission fluctuation observations with RATAN-600 radio telescope. Astrophysical Bulletin, 2012, 67, 29-43.	1.3	5
940	Cross-identification of large surveys for finding interstellar extinction. Astrophysical Bulletin, 2012, 67, 82-89.	1.3	15

#	Article	IF	CITATIONS
941	Statistical anisotropy of CMB as a probe of conformal rolling scenario. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 033-033.	5.4	14
942	Foreground removal from WMAP 7 yr polarization maps using an MLP neural network. Astrophysics and Space Science, 2012, 340, 161-173.	1.4	4
943	A needlet internal linear combination analysis of WMAP 7-year data: estimation of CMB temperature map and power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1163-1175.	4.4	70
944	A model for polarized microwave foreground emission from interstellar dust. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1795-1803.	4.4	22
945	Parity asymmetry in the CMBR temperature power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3378-3392.	4.4	44
946	TreeCol: a novel approach to estimating column densities in astrophysical simulations. Monthly Notices of the Royal Astronomical Society, 2012, 420, 745-756.	4.4	123
947	Multiresolution internal template cleaning: an application to the Wilkinson Microwave Anisotropy Probe 7-yr polarization data. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2162-2169.	4.4	65
948	Encoding normal vectors using optimized spherical coordinates. Computers and Graphics, 2012, 36, 360-365.	2.5	6
949	Modeling mechanical contact and lubrication in Direct Numerical Simulations of colliding particles. International Journal of Multiphase Flow, 2012, 46, 38-53.	3.4	54
950	Cross-correlation of <i>WISE</i> galaxies with the cosmic microwave background. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 422, L77-L81.	3.3	27
951	Towards a fast, model-independent Cosmic Microwave Background bispectrum estimator. Statistical Methodology, 2012, 9, 71-84.	0.5	2
952	Is molecular gas necessary for star formation?. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	92
953	The power spectrum from the angular distribution of galaxies in the CFHTLS-Wide fields at redshift $\hat{a}^{-1}/40.7$. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	7
954	Constraining the topology of the Universe using the polarized cosmic microwave background maps. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1064-1072.	4.4	14
955	Galaxy triplets in Sloan Digital Sky Survey Data Release 7 - I. Catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1897-1907.	4.4	19
956	Characterization of the non-Gaussianity of radio and IR point sources at CMB frequencies. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1982-1995.	4.4	24
957	The Sloan Digital Sky Survey Data Release 7 galaxy angular power spectrum. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2043-2053.	4.4	4
958	Biparametric adaptive filter: detection of compact sources in complex microwave backgrounds. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2139-2154.	4.4	4

#	Article	IF	Citations
959	On the origin of the cold spot. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2731-2736.	4.4	14
960	Foreground analysis using cross-correlations of external templates on the 7-year Wilkinson Microwave Anisotropy Probe data. Monthly Notices of the Royal Astronomical Society, 2012, 422, 3617-3642.	4.4	24
961	Correlation of supernova redshifts with temperature fluctuations of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2012, 423, 2147-2152.	4.4	9
962	Filling in cosmic microwave background map missing data using constrained Gaussian realizations. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1694-1713.	4.4	32
963	Feeding compact bulges and supermassive black holes with low angular momentum cosmic gas at high redshift. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3616-3630.	4.4	100
964	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: analysis of potential systematics. Monthly Notices of the Royal Astronomical Society, 2012, 424, 564-590.	4.4	223
965	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. Monthly Notices of the Royal Astronomical Society, 2012, 424, 933-950.	4.4	171
966	How long does it take to form a molecular cloud?. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2599-2613.	4.4	107
967	Impact on the tensor-to-scalar ratio of incorrect Galactic foreground modelling. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1914-1924.	4.4	20
968	Template fitting of WMAP 7-year data: anomalous dust or flattening synchrotron emission?. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2676-2685.	4.4	13
969	A survey of lens spaces and large-scale cosmic microwave background anisotropy. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1556-1562.	4.4	7
970	Stellar <scp>gadget</scp> : a smoothed particle hydrodynamics code for stellar astrophysics and its application to Type Ia supernovae from white dwarf mergers. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2222-2231.	4.4	82
971	Stacking catalogue sources in WMAP data. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3028-3036.	4.4	2
972	Kinematics of stars in the northern and southern galactic hemispheres. Astronomy Letters, 2012, 38, 411-427.	1.0	11
973	Cosmic rays: interstellar gamma-ray and radio emission. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 64-69.	0.4	2
974	The topology and size of the universe from CMB temperature and polarization data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 009-009.	5.4	14
975	Consistency tests for Planck and WMAP in the low multipole domain. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 005-005.	5.4	3
976	DIRECTIONAL DEPENDENCE OF ÎCDM COSMOLOGICAL PARAMETERS. Astrophysical Journal Letters, 2013, 773, L3.	8.3	26

#	Article	IF	CITATIONS
977	The apparent motions of extragalactic sources and their angular spectrums. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2013, 68, 159-164.	0.4	2
978	Joint Minkowski functionals and bispectrum constraints on non-Gaussianity in the cosmic microwave background. Physical Review D, 2013, 88, .	4.7	4
979	Missing completely of the CMB quadrupole in WMAP data. Science Bulletin, 2013, 58, 1243-1249.	1.7	2
980	Variable gamma-ray sky at 1 GeV. Journal of Experimental and Theoretical Physics, 2013, 116, 59-70.	0.9	2
983	Classical Bessel Functions. , 2013, , 347-361.		0
984	Bessel Functions in $\$$ mathbb $\{R\}^q$ \$., 2013, , 363-391.		0
985	Hubble flow variance and the cosmic rest frame. Physical Review D, 2013, 88, .	4.7	49
986	Bayesian analysis of anisotropic cosmologies: Bianchi VIIh and WMAP. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3680-3694.	4.4	19
987	Mapping ultrahigh energy cosmic rays deflections through the turbulent galactic magnetic field with the latest rotation measure data. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2326-2333.	4.4	32
988	Limits on anisotropic inflation from the Planck data. Physical Review D, 2013, 88, .	4.7	104
989	Fast and precise way to calculate the posterior for the local non-Gaussianity parameter <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub>f<mml:mi>nl</mml:mi></mml:msub></mml:math> from cosmic microwave background observations. Physical Review D, 2013, 88, .	4.7	4
990	CONSTRAINTS ON THE GALACTIC POPULATION OF TeV PULSAR WIND NEBULAE USING (i) FERMI (i) LARGE AREA TELESCOPE OBSERVATIONS. Astrophysical Journal, 2013, 773, 77.	4.5	94
991	NINE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: FINAL MAPS AND RESULTS. Astrophysical Journal, Supplement Series, 2013, 208, 20.	7.7	1,810
992	NINE-YEAR <i>WILKINSON MICROWAVE ANISOTROPY PROBE</i> (<i>WMAP</i>) OBSERVATIONS: COSMOLOGICAL PARAMETER RESULTS. Astrophysical Journal, Supplement Series, 2013, 208, 19.	7.7	3,998
993	IS THERE AN UNACCOUNTED FOR EXCESS IN THE EXTRAGALACTIC COSMIC RADIO BACKGROUND?. Astrophysical Journal, 2013, 776, 42.	4.5	56
994	Phase statistics of the WMAP 7 year data. Astronomische Nachrichten, 2013, 334, 1020-1023.	1.2	4
995	Gaussian Random Fields in Cosmostatistics. , 2013, , 87-105.		1
996	The PANOPTIC Camera: A Plenoptic Sensor with Real-Time Omnidirectional Capability. Journal of Signal Processing Systems, 2013, 70, 305-328.	2.1	31

#	Article	IF	CITATIONS
997	CMB constraint on non-Gaussianity in isocurvature perturbations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 007-007.	5.4	26
998	Efficient Catalog Matching with Dropout Detection. Publications of the Astronomical Society of the Pacific, 2013, 125, 218-223.	3.1	6
999	A fast radiative transfer model for visible through shortwave infrared spectral reflectances in clear and cloudy atmospheres. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 116, 122-131.	2.3	17
1000	Destriping cosmic microwave background polarimeter data. Astronomy and Computing, 2013, 3-4, 13-22.	1.7	O
1001	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 123-128.	0.4	4
1002	Anisotropy of TeV and PeV cosmic rays with IceCube and IceTop. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 725, 85-88.	1.6	3
1003	ANISOTROPY OF COSMIC ACCELERATION. International Journal of Modern Physics D, 2013, 22, 1350060.	2.1	41
1004	THE RESPONSE OF METAL-RICH GAS TO X-RAY IRRADIATION FROM A MASSIVE BLACK HOLE AT HIGH REDSHIFT: PROOF OF CONCEPT. Astrophysical Journal, 2013, 771, 50.	4.5	15
1005	The Gamma Function. , 2013, , 25-46.		0
1006	Orthogonal Polynomials. , 2013, , 47-109.		O
1007	Three-Dimensional Dust Radiative Transfer. Annual Review of Astronomy and Astrophysics, 2013, 51, 63-104.	24.3	140
1008	ON THE BISPECTRUM OF COSMIC STRING SEEDED CMB FLUCTUATIONS. International Journal of Modern Physics D, 2013, 22, 1350053.	2.1	O
1009	Collision-free single-step motion planning of biped pole-climbing robots in spatial trusses. , 2013, , .		6
1010	On the computation of directional scale-discretized wavelet transforms on the sphere. Proceedings of SPIE, 2013, , .	0.8	9
1011	3D sparse representations on the sphere and applications in astronomy. , 2013, , .		0
1012	Non-Gaussianity and CMB aberration and Doppler. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 036-036.	5.4	6
1013	How real-time cosmology can distinguish between different anisotropic models. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 042-042.	5.4	7
1014	Measuring the thermal Sunyaev-Zel'dovich effect through the cross correlation of Planck and WMAP maps with ROSAT galaxy cluster catalogs. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 064-064.	5.4	32

#	Article	IF	CITATIONS
1015	Lensing simulations by Taylor expansion $\hat{a}\in$ " not so inefficient after all. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 001-001.	5.4	13
1016	Cosmic ray electrons, positrons and the synchrotron emission of the Galaxy: consistent analysis and implications. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 036-036.	5.4	79
1017	Cosmological parameter estimation: impact of CMB aberration. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 028-028.	5.4	16
1018	Loops and spurs: the angular power spectrum of the Galactic synchrotron background. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 041-041.	5.4	31
1019	Low variance at large scales of WMAP 9 year data. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 047-047.	5.4	45
1020	Residual foreground contamination in the WMAP data and bias in non-Gaussianity estimation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 031-031.	5.4	16
1021	A search for correlation of ultra-high energy cosmic rays with IRAS-PSCz and 2MASS-6dF galaxies. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 015-015.	5.4	8
1022	Direction dependence of the power spectrum and its effect on the cosmic microwave background radiation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 007-007.	5.4	24
1023	A needlet ILC analysis of WMAP 9-year polarization data: CMB polarization power spectra. Monthly Notices of the Royal Astronomical Society, 2013, 435, 18-29.	4.4	39
1024	Anisotropic universe with anisotropic sources. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 003-003.	5.4	33
1025	A high-significance measurement of correlation between unresolved IRAS sources and optically-selected galaxy clusters. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 004-004.	5.4	3
1026	Maps of CMB lensing deflection from N-body simulations in Coupled Dark Energy Cosmologies. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 004-004.	5.4	30
1027	Orbifold line topology and the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 045-045.	5.4	2
1028	Testing the dipole modulation model in CMBR. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 014-014.	5.4	22
1029	The Murchison Widefield Array: The Square Kilometre Array Precursor at Low Radio Frequencies. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	892
1030	Extended analysis of CMB constraints on non-gaussianity in isocurvature perturbations. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 020-020.	5.4	12
1031	Removing the ISW-lensing bias from the local-form primordial non-Gaussianity estimation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 021-021.	5.4	11
1032	Real-space approach to cosmic microwave background deboosting. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2208-2215.	4.4	9

#	Article	IF	CITATIONS
1033	Optimal constraint ongNLfrom CMB. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 002-002.	5.4	21
1034	Orbital anisotropy in cosmological haloes revisited. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1576-1585.	4.4	30
1035	Limits on semiclassical fluctuations in the primordial universe. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 040-040.	5.4	5
1036	Growth and anisotropy of ionization fronts near high-redshift quasars in the MassiveBlack simulation. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1554-1563.	4.4	8
1037	The stacked ISW signal of rare superstructures in $\hat{\nu}$ CDM. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 013-013.	5.4	52
1038	Cross-correlation of <i>WMAP7</i> and the <i>WISE</i> full data release. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 431, L28-L32.	3.3	20
1039	A method for characterizing illumination systems for hyperspectral imaging. Optics Express, 2013, 21, 4841.	3.4	17
1040	SPIDER: probing the early Universe with a suborbital polarimeter. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 047-047.	5.4	63
1041	Large-scale anomalies of the CMB in the curvaton scenario. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 032-032.	5.4	16
1042	Optimal analysis of azimuthal features in the CMB. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 001-001.	5.4	9
1043	Hemispherical power asymmetries in the WMAP 7-year low-resolution temperature and polarization maps. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3071-3077.	4.4	23
1044	Non-parametric cell-based photometric proxies for galaxy morphology: methodology and application to the morphologically defined star formation–stellar mass relation of spiral galaxies in the local universe. Monthly Notices of the Royal Astronomical Society, 2013, 437, 3883-3917.	4.4	9
1045	2HOT., 2013,,.		18
1046	Combining clustering and abundances of galaxy clusters to test cosmology and primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2013, 434, 684-695.	4.4	48
1047	A search for cosmic topology in the final WMAP data. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2517-2528.	4.4	13
1048	First measurement of the bulk flow of nearby galaxies using the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1617-1635.	4.4	41
1049	An optimal and model-independent measurement of the intracluster pressure profile – I. Methodology and first applications. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1788-1808.	4.4	1
1050	A New Galactic Extinction Map in High Ecliptic Latitudes. Publication of the Astronomical Society of Japan, 2013, 65, 13.	2.5	6

#	Article	IF	CITATIONS
1051	On the coherence of WMAP and Planck temperature maps. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1422-1429.	4.4	5
1052	Halo occupation distribution modelling of green valley galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2548-2564.	4.4	24
1053	Moving mesh cosmology: tracing cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3353-3370.	4.4	288
1054	calclens: weak lensing simulations for large-area sky surveys and second-order effects in cosmic shear power spectra. Monthly Notices of the Royal Astronomical Society, 2013, 435, 115-132.	4.4	63
1055	Large-scale analysis of the SDSS-III DR8 photometric luminous galaxies angular correlation function. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3017-3027.	4.4	18
1056	Scale-dependent non-Gaussianities in the CMB data identified with Minkowski functionals and scaling indices. Monthly Notices of the Royal Astronomical Society, 2013, 428, 551-562.	4.4	17
1057	The SDSS DR7 galaxy angular power spectrum: volume limits and galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3487-3496.	4.4	3
1058	Non-Gaussianity and Minkowski functionals: forecasts for Planck. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2104-2126.	4.4	55
1059	Cosmological parameters from a re-analysis of the WMAP 7 year low-resolution maps. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2961-2970.	4.4	3
1060	The SDSS galaxy angular two-point correlation function. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1961-1979.	4.4	39
1061	Local properties of Wilkinson Microwave Anisotropy Probe cold spot. Monthly Notices of the Royal Astronomical Society, 2013, 433, 3498-3505.	4.4	13
1062	Structures in the microwave background radiation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130116.	2.1	11
1063	THE PLANCK MISSION: RECENT RESULTS, COSMOLOGICAL AND FUNDAMENTAL PHYSICS PERSPECTIVES. International Journal of Modern Physics D, 2013, 22, 1330029.	2.1	1
1064	Large-angle cosmic microwave background suppression and polarization predictions. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3590-3596.	4.4	32
1065	The interplay of CMB temperature lensing power reconstruction with primordial non-Gaussianity of local type. Monthly Notices of the Royal Astronomical Society, 2013, 429, 444-451.	4.4	3
1066	Exploring local fNL estimators based on the binned bispectrum. Monthly Notices of the Royal Astronomical Society, 2013, 434, 796-805.	4.4	4
1067	Integrated Sachs-Wolfe effect map recovery from NVSS and WMAP 7-yr data. Monthly Notices of the Royal Astronomical Society, 2013, 430, 259-263.	4.4	11
1068	Comparing polarized synchrotron and thermal dust emission in the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2013, 431, 683-694.	4.4	34

#	Article	IF	CITATIONS
1069	<i>WMAP</i> OBSERVATIONS OF <i>PLANCK</i> ESZ CLUSTERS. Astrophysical Journal, 2013, 771, 137.	4.5	12
1070	urchin: a reverse ray tracer for astrophysical applications. Monthly Notices of the Royal Astronomical Society, 2013, 434, 748-764.	4.4	29
1071	METHODS FOR BAYESIAN POWER SPECTRUM INFERENCE WITH GALAXY SURVEYS. Astrophysical Journal, 2013, 779, 15.	4.5	39
1072	TIME-AVERAGE-BASED METHODS FOR MULTI-ANGULAR SCALE ANALYSIS OF COSMIC-RAY DATA. Astrophysical Journal, 2013, 766, 96.	4.5	10
1073	MODELING THE NON-RECYCLED <i>FERMI</i> GAMMA-RAY PULSAR POPULATION. Astrophysical Journal, 2013, 776, 61.	4.5	8
1074	ON THE CLUSTER PHYSICS OF SUNYAEV-ZEL'DOVICH AND X-RAY SURVEYS. III. MEASUREMENT BIASES AND COSMOLOGICAL EVOLUTION OF GAS AND STELLAR MASS FRACTIONS. Astrophysical Journal, 2013, 777, 123.	4.5	77
1075	COSMIC MICROWAVE BACKGROUND LIKELIHOOD APPROXIMATION FOR BANDED PROBABILITY DISTRIBUTIONS. Astrophysical Journal, 2013, 777, 150.	4.5	3
1076	DUST SCATTERING IN TURBULENT MEDIA: CORRELATION BETWEEN THE SCATTERED LIGHT AND DUST COLUMN DENSITY. Astrophysical Journal Letters, 2013, 778, L40.	8.3	7
1077	An accelerated direct demodulation method for image reconstruction using spherical data from the hard X-ray modulation telescope. Research in Astronomy and Astrophysics, 2013, 13, 991-1012.	1.7	3
1078	EXCESS ELLIPTICITY OF HOT AND COLD SPOTS IN THE <i>WMAP </i> Astrophysical Journal, 2013, 779, 37.	4.5	2
1079	THE MYSTERIOUS SICKLE OBJECT IN THE CARINA NEBULA: A STELLAR WIND INDUCED BOW SHOCK GRAZING A CLUMP?. Astrophysical Journal, 2013, 769, 139.	4.5	7
1080	REIONIZATION ON LARGE SCALES. II. DETECTING PATCHY REIONIZATION THROUGH CROSS-CORRELATION OF THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal, 2013, 776, 82.	4.5	20
1081	CROSS-CORRELATIONS AS A COSMOLOGICAL CARBON MONOXIDE DETECTOR. Astrophysical Journal, 2013, 768, 15.	4.5	68
1082	THE DIFFUSE GALACTIC FAR-ULTRAVIOLET SKY. Astrophysical Journal, 2013, 779, 180.	4.5	29
1083	TESTING HOMOGENEITY WITH GALAXY STAR FORMATION HISTORIES. Astrophysical Journal Letters, 2013, 762, L9.	8.3	15
1084	THE PRECISION AND ACCURACY OF EARLY EPOCH OF REIONIZATION FOREGROUND MODELS: COMPARING MWA AND PAPER 32-ANTENNA SOURCE CATALOGS. Astrophysical Journal, 2013, 769, 5.	4.5	9
1085	A 189 MHz, 2400 deg ² POLARIZATION SURVEY WITH THE MURCHISON WIDEFIELD ARRAY 32-ELEMENT PROTOTYPE. Astrophysical Journal, 2013, 771, 105.	4.5	79
1086	A GALAXY MODEL FROM TWO MICRON ALL SKY SURVEY STAR COUNTS IN THE WHOLE SKY, INCLUDING THE PLANE. Astrophysical Journal, 2013, 778, 32.	4.5	35

#	Article	IF	Citations
1087	THE SIGNATURE OF THE WARM-HOT INTERGALACTIC MEDIUM IN <i>WMAP</i> hAND THE FORTHCOMING <i>PLANCK</i> hDATA. Astrophysical Journal, 2013, 769, 25.	4.5	3
1088	A SEARCH FOR NONTOROIDAL TOPOLOGICAL LENSING IN THE SLOAN DIGITAL SKY SURVEY QUASAR CATALOG. Astrophysical Journal, 2013, 773, 152.	4.5	3
1089	A search for concentric rings with unusual variance in the 7-year WMAP temperature maps using a fast convolution approach. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1376-1385.	4.4	6
1090	Bayesian physical reconstruction of initial conditions from large-scale structure surveys. Monthly Notices of the Royal Astronomical Society, 2013, 432, 894-913.	4.4	196
1091	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND DAMPING TAIL FROM THE 2500-SQUARE-DEGREE SPT-SZ SURVEY. Astrophysical Journal, 2013, 779, 86.	4.5	240
1092	Area-preserving projections from hexagonal and triangular domains to the sphere and applications to electron back-scatter diffraction pattern simulations. Modelling and Simulation in Materials Science and Engineering, 2013, 21, 055021.	2.0	5
1093	THE 37 MONTH MAXI/GSC SOURCE CATALOG OF THE HIGH GALACTIC-LATITUDE SKY. Astrophysical Journal, Supplement Series, 2013, 207, 36.	7.7	30
1094	Galactic synchrotron emission with cosmic ray propagation models. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2127-2142.	4.4	123
1095	Forecasts on the contamination induced by unresolved point sources in primordial non-Gaussianity beyond Planck. Monthly Notices of the Royal Astronomical Society, 2013, 432, 728-742.	4.4	16
1096	Trigonometric parallaxes of 71 large proper motion stars. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1083-1093.	4.4	10
1097	Using CMB polarization to constrain the anomalous nature of the Cold Spot with an incomplete-sky coverage. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3096-3102.	4.4	4
1098	Estimating the large-scale angular power spectrum in the presence of systematics: a case study of Sloan Digital Sky Survey quasars. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1857-1873.	4.4	62
1099	On the signature of z \hat{A} 0.6 superclusters and voids in the Integrated Sachs-Wolfe effect. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1094-1107.	4.4	35
1100	Reconstruction of high-resolution Sunyaev–Zeldovich maps from heterogeneous data sets using needlets. Monthly Notices of the Royal Astronomical Society, 2013, 430, 370-385.	4.4	32
1101	Is the Cygnus Superbubble a Hypernova Remnant?. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	19
1102	FIRST PHOTOMETRIC INVESTIGATION OF THE NEWLY DISCOVERED W UMa-TYPE BINARY STAR MR Com. Astronomical Journal, 2013, 146, 38.	4.7	29
1103	PRIMORDIAL GRAVITATIONAL WAVE DETECTABILITY WITH DEEP SMALL-SKY COSMIC MICROWAVE BACKGROUND EXPERIMENTS. Astrophysical Journal, 2013, 771, 12.	4.5	10
1104	FAR-ULTRAVIOLET OBSERVATIONS OF THE SPICA NEBULA AND THE INTERACTION ZONE. Astrophysical Journal, 2013, 774, 34.	4.5	13

#	Article	IF	CITATIONS
1105	Extragalactic point source detection in Wilkinson Microwave Anisotropy Probe 7-year data at 61 and 94ÂGHz. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3048-3057.	4.4	6
1106	A Characterization of the Diffuse Galactic Emissions in the Anticenter of the Galaxy. Advances in Astronomy, 2013, 2013, 1-8.	1.1	1
1107	Characterization of dark-matter-induced anisotropies in the diffuse gamma-ray background. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1529-1553.	4.4	49
1108	A Shapeâ€Aware Model for Discrete Texture Synthesis. Computer Graphics Forum, 2013, 32, 67-76.	3.0	23
1109	Searching for the high-energy neutrino counterpart signals: The case of the Fermi bubbles signal and of dark matter annihilation in the inner Galaxy. Physical Review D, 2013, 88, .	4.7	8
1110	Patchy screening of the cosmic microwave background by inhomogeneous reionization. Physical Review D, 2013, 87, .	4.7	19
1111	Hierarchical Bayesian detection algorithm for early-universe relics in the cosmic microwave background. Physical Review D, 2013, 88, .	4.7	16
1112	Detection and characterisation of the first <i>Planck</i> highâ€ <i>z</i> candidates. Astronomische Nachrichten, 2013, 334, 449-452.	1.2	1
1113	CMB maximum temperature asymmetry axis: Alignment with other cosmic asymmetries. Physical Review D, 2013, 87, .	4.7	44
1114	Medium scale anisotropy in the TeV cosmic ray flux observed by ARGO-YBJ. Physical Review D, 2013, 88, .	4.7	57
1115	General CMB bispectrum analysis using wavelets and separable modes. Physical Review D, 2013, 88, .	4.7	12
1116	CMB Faraday rotation as seen through the MilkyÂWay. Physical Review D, 2013, 88, .	4.7	26
1117	CMB lensing reconstruction from the WMAP 7-year data. Physical Review D, 2013, 88, .	4.7	0
1118	Efficiency of pseudospectrum methods for estimation of the cosmic microwave background <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode power spectrum. Physical Review D, 2013, 88, .	4.7	22
1119	Reconstruction of Gaussian and log-normal fields with spectral smoothness. Physical Review E, 2013, 87, .	2.1	31
1120	UCAC4: Stellar kinematics with vector spherical functions. Astronomische Nachrichten, 2013, 334, 760-768.	1.2	11
1121	3D Haar-like elliptical features for object classification in microscopy. , 2013, , .		3
1122	Joint analysis of CMB temperature and lensing-reconstruction power spectra. Physical Review D, 2013, 88, .	4.7	49

#	ARTICLE	IF	Citations
1123	SCIENTIFIC VERIFICATION OF FARADAY ROTATION MODULATORS: DETECTION OF DIFFUSE POLARIZED GALACTIC EMISSION. Astrophysical Journal, 2013, 765, 64.	4.5	14
1124	Rectification Effects of ZnO-Based Transparent Nanodiodes on Glass and Flexible Plastic Substrates. Japanese Journal of Applied Physics, 2013, 52, 06GE09.	1.5	11
1125	DISCOVERY AND REDSHIFT OF AN OPTICAL AFTERGLOW IN 71 deg ² : iPTF13bxl AND GRB 130702A. Astrophysical Journal Letters, 2013, 776, L34.	8.3	52
1126	LONG-TERM MONITORING, TIME DELAY, AND MICROLENSING IN THE GRAVITATIONAL LENS SYSTEM Q0142-100. Astrophysical Journal, 2013, 779, 144.	4.5	7
1127	Full relativistic calculations of the quadrupole and electric field gradients for C2, N2, and O2. Chinese Physics B, 2013, 22, 023102.	1.4	0
1128	On spectral synthesis on zero-dimensional Abelian groups. Sbornik Mathematics, 2013, 204, 1332-1346.	0.6	3
1129	High-spin structures of 136â € ‰54 Xe, 137â € ‰55 Cs, 138â € ‰56 Ba, 139â € ‰57 La and 140â € ‰58 Ce: a shell mode of Physics G: Nuclear and Particle Physics, 2013, 40, 035106.	el descript 3.6	ion. Journal
1130	VERITAS OBSERVATIONS OF THE MICROQUASAR CYGNUS X-3. Astrophysical Journal, 2013, 779, 150.	4.5	16
1131	The European Pulsar Timing Array and the Large European Array for Pulsars. Classical and Quantum Gravity, 2013, 30, 224009.	4.0	235
1132	SEVEN-YEAR MULTI-COLOR OPTICAL MONITORING OF BL LACERTAE OBJECT S5 0716+714. Astrophysical Journal, Supplement Series, 2013, 204, 22.	7.7	24
1133	Air-Hole Retained Growth by Molecular Beam Epitaxy for Fabricating GaAs-Based Photonic-Crystal Lasers. Applied Physics Express, 2013, 6, 042002.	2.4	20
1135	RADIO CONSTRAINTS ON HEAVILY OBSCURED STAR FORMATION WITHIN DARK GAMMA-RAY BURST HOST GALAXIES. Astrophysical Journal, 2013, 778, 172.	4.5	41
1136	POLARIMETRY AND THE HIGH-ENERGY EMISSION MECHANISMS IN QUASAR JETS: THE CASE OF PKS 1136–135. Astrophysical Journal, 2013, 773, 186.	4.5	43
1137	RECENT DEVELOPMENTS IN ASTROPHYSICAL AND COSMOLOGICAL EXPLOITATION OF MICROWAVE SURVEYS. International Journal of Modern Physics D, 2013, 22, 1330011.	2.1	6
1138	MODELING THE ATOMIC-TO-MOLECULAR TRANSITION AND CHEMICAL DISTRIBUTIONS OF TURBULENT STAR-FORMING CLOUDS. Astrophysical Journal, 2013, 770, 49.	4.5	36
1139	On preferred axes in WMAP cosmic microwave background data after subtraction of the integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2013, 557, L1.	5.1	13
1140	Detecting the integrated Sachs-Wolfe effect with stacked voids. Astronomy and Astrophysics, 2013, 556, A51.	5.1	67
1141	On the statistical significance of the bulk flow measured by the <i>Planck </i> satellite. Astronomy and Astrophysics, 2013, 557, A116.	5.1	18

#	Article	IF	CITATIONS
1142	Constraining the Galactic millisecond pulsar population using <i>Fermi </i> Large Area Telescope. Astronomy and Astrophysics, 2013, 554, A62.	5.1	26
1143	Cosmic radio dipole from NVSS and WENSS. Astronomy and Astrophysics, 2013, 555, A117.	5.1	112
1144	OBSERVATION OF COSMIC-RAY ANISOTROPY WITH THE ICETOP AIR SHOWER ARRAY. Astrophysical Journal, 2013, 765, 55.	4.5	85
1145	Testing the isotropy of high energy cosmic rays using spherical needlets. Annals of Applied Statistics, 2013, 7, .	1.1	10
1146	Needlet-Whittle estimates on the unit sphere. Electronic Journal of Statistics, 2013, 7, .	0.7	12
1147	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 557, A52.	5.1	141
1148	<i>Planck</i> Âintermediate results. XII: Diffuse Galactic components in the Gould Belt system. Astronomy and Astrophysics, 2013, 557, A53.	5.1	19
1149	The <i>Gaia</i> astrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	5.1	115
1150	Efficient Wiener filtering without preconditioning. Astronomy and Astrophysics, 2013, 549, A111.	5.1	60
1151	Three-dimensional modeling of ionized gas. Astronomy and Astrophysics, 2013, 555, A35.	5.1	5
1152	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 554, A140.	5.1	101
1153	Chemical gradients in the Milky Way from the RAVE data. Astronomy and Astrophysics, 2013, 559, A59.	5.1	68
1154	Astronomy of ultra-high energy neutral particles with the Pierre Auger Observatory. Journal of Physics: Conference Series, 2013, 409, 012115.	0.4	0
1155	Systematic Effects in Large-Scale Angular Power Spectra of Photometric Quasars and Implications for Constraining Primordial Non-Gaussianity. Publications of the Astronomical Society of the Pacific, 2013, 125, 705-718.	3.1	46
1156	Search for cosmic ray electron-positron anisotropies with the Pamela data. Journal of Physics: Conference Series, 2013, 409, 012055.	0.4	3
1157	MILCA, a modified internal linear combination algorithm to extract astrophysical emissions from multifrequency sky maps. Astronomy and Astrophysics, 2013, 558, A118.	5.1	113
1158	Long-term variability of extragalactic radio sources in the <i>Planck </i> Early Release Compact Source Catalogue. Astronomy and Astrophysics, 2013, 553, A107.	5.1	28
1159	An approach to detection of point sources in very high-resolution microwave maps. Astronomy and Astrophysics, 2013, 556, A96.	5.1	1

#	Article	IF	Citations
1160	Optimal bispectrum estimator and simulations of the CMB lensing-integrated Sachs Wolfe non-Gaussian signal. Astronomy and Astrophysics, 2013, 555, A82.	5.1	10
1161	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A131.	5.1	276
1162	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 554, A139.	5.1	106
1164	NIFTY – Numerical Information Field Theory. Astronomy and Astrophysics, 2013, 554, A26.	5.1	53
1165	The pre-launch <i>Planck</i> Sky Model: a model of sky emission at submillimetre to centimetre wavelengths. Astronomy and Astrophysics, 2013, 553, A96.	5.1	166
1166	High-precision simulations of the weak lensing effect on cosmic microwave background polarization. Astronomy and Astrophysics, 2013, 556, A109.	5.1	18
1167	S2LET: A code to perform fast wavelet analysis on the sphere. Astronomy and Astrophysics, 2013, 558, A128.	5.1	35
1168	Sparse component separation for accurate cosmic microwave background estimation. Astronomy and Astrophysics, 2013, 550, A73.	5.1	43
1169	Narrow-line H i and cold structures in the interstellar medium. Astronomy and Astrophysics, 2013, 552, A108.	5.1	4
1171	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A129.	5.1	63
1172	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A132.	5.1	15
1173	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2013, 550, A133.	5.1	52
1174	<i>Planck</i> i>intermediate results. Astronomy and Astrophysics, 2013, 550, A134.	5.1	94
1175	THE EFFECT OF SYSTEMATICS ON POLARIZED SPECTRAL INDICES. Astrophysical Journal, 2013, 763, 138.	4.5	8
1176	Sparse point-source removal for full-sky CMB experiments: application to WMAP 9-year data. Astronomy and Astrophysics, 2014, 566, A100.	5.1	7
1177	<i>Planck</i> 2013 results. XIV. Zodiacal emission. Astronomy and Astrophysics, 2014, 571, A14.	5.1	90
1178	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A6.	5.1	103
1179	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. Astronomy and Astrophysics, 2014, 571, A31.	5.1	69

#	Article	IF	Citations
1180	<i>Planck</i> 2013 results. V. LFI calibration. Astronomy and Astrophysics, 2014, 571, A5.	5.1	67
1181	<i>Planck</i> 2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. Astronomy and Astrophysics, 2014, 571, A27.	5.1	170
1182	<i>Planck</i> intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. Astronomy and Astrophysics, 2014, 565, A103.	5.1	67
1183	<i>Planck</i> 2013 results. III. LFI systematic uncertainties. Astronomy and Astrophysics, 2014, 571, A3.	5.1	54
1184	<i>Planck</i> 2013 results. XII. Diffuse component separation. Astronomy and Astrophysics, 2014, 571, A12.	5.1	216
1185	Statistics of statistical anisotropy measures. Journal of Physics: Conference Series, 2014, 484, 012046.	0.4	0
1186	Quadrant asymmetry in the angular distribution of cosmic microwave background in the Plancksatellite data. Astronomy and Astrophysics, 2014, 569, A75.	5.1	3
1187	Monte Carlo modelling of the propagation and annihilation of nucleosynthesis positrons in the Galaxy. Astronomy and Astrophysics, 2014, 564, A108.	5.1	36
1188	<i>Planck</i> 2013 results. XIII. Galactic CO emission. Astronomy and Astrophysics, 2014, 571, A13.	5.1	144
1189	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566
1190	Anisotropy expectations for ultra-high-energy cosmic rays with future high-statistics experiments. Astronomy and Astrophysics, 2014, 567, A81.	5.1	20
1191	Cross-correlation of cosmic far-infrared background anisotropies with large scale structures. Astronomy and Astrophysics, 2014, 570, A98.	5.1	32
1192	Cosmic microwave background anomalies from imperfect dark energy. Astronomy and Astrophysics, 2014, 564, A113.	5.1	3
1193	Answers from the Void: VIDE and its Applications. Proceedings of the International Astronomical Union, 2014, 11, 524-529.	0.0	0
1194	Measurement of the <i>T</i> _{CMB} evolution from the Sunyaev-Zel'dovich effect. Astronomy and Astrophysics, 2014, 561, A143.	5.1	48
1195	POWER ASYMMETRY IN <i>WMAP</i> AND <i>PLANCK</i> TEMPERATURE SKY MAPS AS MEASURED BY A LOCAL VARIANCE ESTIMATOR. Astrophysical Journal Letters, 2014, 784, L42.	8.3	137
1196	Residual foreground contamination in the WMAP data. Journal of Physics: Conference Series, 2014, 484, 012028.	0.4	0
1197	Optimizing the Join Operation on Hive to Accelerate Cross-Matching in Astronomy. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
1199	Directional detection of dark matter streams. Physical Review D, 2014, 90, .	4.7	33
1200	Simple proposal for radial 3D needlets. Physical Review D, 2014, 90, .	4.7	14
1201	Numerical evolutions of fields on the 2-sphere using a spectral method based on spin-weighted spherical harmonics. Classical and Quantum Gravity, 2014, 31, 075019.	4.0	14
1202	Self-consistent modeling of the influence of texture on thermal expansion in polycrystalline TATB. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 075008.	2.0	19
1203	Probing the CMB cold spot through local Minkowski functionals. Research in Astronomy and Astrophysics, 2014, 14, 625-634.	1.7	7
1204	\${m H,scriptsize{I}}\$, CO, AND <i>PLANCK</i> / <i>IRAS</i> DUST PROPERTIES IN THE HIGH LATITUDE CLOUD COMPLEX, MBM 53, 54, 55 AND HLCG 92 – 35. POSSIBLE EVIDENCE FOR AN OPTICALLY THICK \${m H,scriptsize{I}}\$ ENVELOPE AROUND THE CO CLOUDS. Astrophysical Journal, 2014, 796, 59.	4.5	51
1205	Trace transform of three-dimensional objects: Recognition, analysis, and database search. Pattern Recognition and Image Analysis, 2014, 24, 566-574.	1.0	0
1206	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. Astrophysical Journal, 2014, 796, 108.	4.5	71
1207	Improvement of solvent affinity for graphene derivatives by solution plasma process. Japanese Journal of Applied Physics, 2014, 53, 01AD05.	1.5	9
1208	RAPIDLY EVOLVING AND LUMINOUS TRANSIENTS FROM PAN-STARRS1. Astrophysical Journal, 2014, 794, 23.	4.5	254
1209	NONTHERMAL RADIATION OF YOUNG SUPERNOVA REMNANTS: THE CASE OF CAS A. Astrophysical Journal, 2014, 785, 130.	4.5	35
1210	Of Malthus and Methuselah: does longevity treatment aggravate global catastrophic risks?. Physica Scripta, 2014, 89, 128005.	2.5	0
1211	Modeling photoacoustic spectral features of micron-sized particles. Physics in Medicine and Biology, 2014, 59, 5795-5810.	3.0	37
1212	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	4.5	29
1213	Probing large-angle correlations with the microwave background temperature and lensing cross-correlation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2392-2397.	4.4	10
1214	A close examination of cosmic microwave background mirror-parity after Planck. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2116-2124.	4.4	5
1215	A photodissociation region study of NGC 4038. Monthly Notices of the Royal Astronomical Society, 2014, 443, 111-121.	4.4	13
1216	The cosmic web of the Local Universe: cosmic variance, matter content and its relation to galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2014, 445, 988-1001.	4.4	39

#	Article	IF	CITATIONS
1217	Fast simulations for intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3183-3197.	4.4	55
1218	Multifrequency radiation hydrodynamics simulations of H2 line emission in primordial, star-forming clouds. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1566-1583.	4.4	23
1219	The SDSS-III Baryonic Oscillation Spectroscopic Survey: constraints on the integrated Sachs–Wolfe effect. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1724-1740.	4.4	25
1220	Dipolar modulation in number counts of <i>WISE</i> i>–2MASS sources. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 445, L60-L64.	3.3	28
1221	Exhausting the information: novel Bayesian combination of photometric redshift PDFs. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3380-3399.	4.4	53
1222	An optimal survey geometry of weak lensing survey: minimizing supersample covariance. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3473-3487.	4.4	23
1223	The Jubilee ISW project – I. Simulated ISW and weak lensing maps and initial power spectra results. Monthly Notices of the Royal Astronomical Society, 2014, 438, 412-425.	4.4	28
1224	SOMz: photometric redshift PDFs with self-organizing maps and random atlas. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3409-3421.	4.4	81
1225	The meaning of WISE colours – I. The Galaxy and its satellites. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3361-3379.	4.4	51
1226	Removing beam asymmetry bias in precision CMB temperature and polarization experiments. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1963-1979.	4.4	10
1227	The Design and Implementation of Astronomical Multi-Catalog Storage and Cross-Match Based on Hadoop. Advanced Materials Research, 2014, 1042, 121-125.	0.3	0
1228	The Jubilee ISW Project - II. Observed and simulated imprints of voids and superclusters on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2014, 446, 1321-1334.	4.4	36
1229	The CMB derivatives of Planck's beam asymmetry. Monthly Notices of the Royal Astronomical Society, 2014, 443, 750-754.	4.4	2
1230	The 12CO/13CO ratio in turbulent molecular clouds. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4055-4072.	4.4	53
1231	Using correlations between cosmic microwave background lensing and large-scale structure to measure primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 441, L16-L20.	3.3	44
1232	The Primordial Inflation Explorer (PIXIE). Proceedings of SPIE, 2014, , .	0.8	11
1233	Magnification of photometric LRGs by foreground LRGs and clusters in the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3701-3713.	4.4	16
1234	The sensitivity of Cherenkov telescopes to dark matter and astrophysical anisotropies in the diffuse gamma-ray background. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 049-049.	5.4	16

#	Article	IF	CITATIONS
1235	CMB aberration and Doppler effects as a source of hemispherical asymmetries. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	21
1236	Extragalactic foreground contamination in temperature-based CMB lens reconstruction. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 024-024.	5.4	84
1237	Planck CMB anomalies: astrophysical and cosmological secondary effects and the curse of masking. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	42
1238	North-South non-Gaussian asymmetry in Planck CMB maps. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 041-041.	5.4	18
1239	The kinetic Sunyaev-Zel'dovich effect from the diffuse gas in the Local Group. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 051-051.	5.4	4
1240	The isotropic radio background revisited. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 008-008.	5.4	35
1241	On the nature of star-forming filaments – I. Filament morphologies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2900-2917.	4.4	137
1242	Searching for primordial non-Gaussianity in Planck CMB maps using a combined estimator. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 018-018.	5.4	13
1243	Constraints on dark matter annihilations from diffuse gamma-ray emission in the Galaxy. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 017-017.	5.4	29
1244	Lensing reconstruction from a patchwork of polarization maps. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.	5.4	20
1245	A robust public catalogue of voids and superclusters in the SDSS Data Release 7 galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1248-1262.	4.4	62
1246	Photo-z quality cuts and their effect on the measured galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2014, 437, 3490-3505.	4.4	9
1247	dart-ray: a 3D ray-tracing radiative transfer code for calculating the propagation of light in dusty galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3137-3162.	4.4	19
1248	Search for primordial non-Gaussianity in the quasars of SDSS-III BOSS DR9. Monthly Notices of the Royal Astronomical Society, 2014, 441, 486-502.	4.4	26
1249	MITEoR: a scalable interferometer for precision 21Âcm cosmology. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1084-1103.	4.4	72
1250	Sparse inpainting and isotropy. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 050-050.	5.4	5
1251	ENZO: AN ADAPTIVE MESH REFINEMENT CODE FOR ASTROPHYSICS. Astrophysical Journal, Supplement Series, 2014, 211, 19.	7.7	615
1252	ERASING THE VARIABLE: EMPIRICAL FOREGROUND DISCOVERY FOR GLOBAL 21 cm SPECTRUM EXPERIMENTS. Astrophysical Journal, 2014, 793, 102.	4.5	33

#	Article	IF	CITATIONS
1253	Improved primordial non-Gaussianity constraints from measurements of galaxy clustering and the integrated Sachs-Wolfe effect. Physical Review D, 2014, 89 , .	4.7	101
1254	Statistically anisotropic Gaussian simulations of the CMB temperature field. Physical Review D, 2014, 89, .	4.7	11
1255	Detecting chiral gravity with the pure pseudospectrum reconstruction of the cosmic microwave background polarized anisotropies. Physical Review D, 2014, 89, .	4.7	8
1256	Can a supervoid explain the cold spot?. Physical Review D, 2014, 90, .	4.7	46
1257	Galactic Faraday rotation effect on polarization of 21Âcm lines from the epoch of reionization. Physical Review D, 2014, 89, .	4.7	12
1258	Augmented and Virtual Reality. Lecture Notes in Computer Science, 2014, , .	1.3	2
1259	C osmo++: An object-oriented C++ library for cosmology. Computer Physics Communications, 2014, 185, 3215-3227.	7. 5	8
1260	Effect of aberration on partial-sky measurements of the cosmic microwave background temperature power spectrum. Physical Review D, 2014, 89, .	4.7	28
1261	Super 4PCS Fast Global Pointcloud Registration via Smart Indexing. Computer Graphics Forum, 2014, 33, 205-215.	3.0	395
1262	Particle migration analysis in iterative classification of cryo-EM single-particle data. Journal of Structural Biology, 2014, 188, 267-273.	2.8	10
1263	Detecting the polarization induced by scattering of the microwave background quadrupole in galaxy clusters. Physical Review D, 2014, 90, .	4.7	26
1264	Parallel spherical harmonic transforms on heterogeneous architectures (graphics processing) Tj ETQq1 1 0.78431	4 <u>, rg</u> BT /O	verlock 10 T
1265	Constraints on Primordial Non-Gaussianity from <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>800</mml:mn><mml:mtext> </mml:mtext><mml:mn>000<td>n^{7,8}mml:r</td><td>mrow></td></mml:mn></mml:mrow></mml:math>	n ^{7,8} mml:r	mrow>
1266	Towards efficient and optimal analysis of CMB anisotropies on a masked sky. Physical Review D, 2014, 89, .	4.7	5
1267	A method to detect positron anisotropies with Pamela data. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 173-178.	0.4	2
1268	First observational constraints on tensor non-Gaussianity sourced by primordial magnetic fields from cosmic microwave background. Physical Review D, 2014, 90, .	4.7	19
1269	Dark matter contribution to Galactic diffuse gamma ray emission. Physical Review D, 2014, 89, .	4.7	3
1270	Detecting a stochastic gravitational wave background in the presence of a galactic foreground and instrument noise. Physical Review D, 2014, 89, .	4.7	87

#	Article	IF	CITATIONS
1271	Mapping the integrated Sachs-Wolfe effect. Physical Review D, 2014, 90, .	4.7	25
1272	CO COMPONENT ESTIMATION BASED ON THE INDEPENDENT COMPONENT ANALYSIS. Astrophysical Journal, 2014, 780, 13.	4.5	6
1273	ALL-SKY INTERFEROMETRY WITH SPHERICAL HARMONIC TRANSIT TELESCOPES. Astrophysical Journal, 2014, 781, 57.	4.5	136
1274	Possible signature of distant foreground in the Planck data. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2440-2445.	4.4	4
1275	KINEMATIC MODELING OF THE MILKY WAY USING THE RAVE AND GCS STELLAR SURVEYS. Astrophysical Journal, 2014, 793, 51.	4.5	106
1276	Interactive Augmented Omnidirectional Video with Realistic Lighting. Lecture Notes in Computer Science, 2014, , 247-263.	1.3	5
1277	GLOBAL FAR-ULTRAVIOLET PROPERTIES OF THE CYGNUS LOOP. Astrophysical Journal, 2014, 784, 12.	4.5	9
1278	Directional Lyα equivalent boosting – I. Spherically symmetric distributions of clumps. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1095-1103.	4.4	49
1279	DETECTION OF OCEAN GLINT AND OZONE ABSORPTION USING <i>LCROSS</i> lcross	4.5	93
1280	THE DIRECT COLLAPSE OF A MASSIVE BLACK HOLE SEED UNDER THE INFLUENCE OF AN ANISOTROPIC LYMAN-WERNER SOURCE. Astrophysical Journal, 2014, 795, 137.	4.5	64
1281	DEGREE-SCALE COSMIC MICROWAVE BACKGROUND POLARIZATION MEASUREMENTS FROM THREE YEARS OF BICEP1 DATA. Astrophysical Journal, 2014, 783, 67.	4.5	51
1282	Comparison between hemisphere comparison method and dipole-fitting method in tracing the anisotropic expansion of the Universe use the Union2 data set. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2952-2958.	4.4	31
1283	The birth of a galaxy $\hat{a} \in \mathbb{N}$ III. Propelling reionization with the faintest galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2560-2579.	4.4	321
1284	Timing, polarimetry and physics of the bright, nearby millisecond pulsar PSR J0437â^'4715 – a single-pulse perspective. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3148-3160.	4.4	29
1285	Matched filter optimization of kSZ measurements with a reconstructed cosmological flow field. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2311-2326.	4.4	28
1286	\hat{I}^3 -ray anisotropies from dark matter in the Milky Way: the role of the radial distribution. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1151-1156.	4.4	17
1287	ASYMMETRY AND NON-RANDOM ORIENTATION OF THE INFLIGHT EFFECTIVE BEAM PATTERN IN THEWMAPDATA. Astrophysical Journal, 2014, 785, 117.	4.5	0
1288	FAR-ULTRAVIOLET OBSERVATIONS OF COMET C/2001 Q4 (NEAT) WITH FIMS/SPEAR. Astrophysical Journal, 2014, 781, 80.	4.5	5

#	Article	IF	CITATIONS
1289	PROPERTIES OF THE REMNANT CLOCKWISE DISK OF YOUNG STARS IN THE GALACTIC CENTER. Astrophysical Journal, 2014, 783, 131.	4.5	129
1290	DIFFUSE Î ³ -RAY EMISSION FROM GALACTIC PULSARS. Astrophysical Journal, 2014, 796, 14.	4.5	63
1291	A FULL-SKY, HIGH-RESOLUTION ATLAS OF GALACTIC 12 $\hat{l}\frac{1}{4}$ m DUST EMISSION WITH < i>WISE < /i> . Astrophysical Journal, 2014, 781, 5.	4.5	60
1292	ESCAPE FRACTION OF IONIZING PHOTONS DURING REIONIZATION: EFFECTS DUE TO SUPERNOVA FEEDBACK AND RUNAWAY OB STARS. Astrophysical Journal, 2014, 788, 121.	4.5	250
1293	THE POLARIZATION SIGNATURE OF LOCAL BULK FLOWS. Astrophysical Journal, 2014, 781, 98.	4.5	4
1294	Intercomparison of kinematics derived from catalogues UCAC4, PPMXL and XPM with vector spherical harmonics. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1249-1264.	4.4	18
1295	A MULTI-LEVEL SOLVER FOR GAUSSIAN CONSTRAINED COSMIC MICROWAVE BACKGROUND REALIZATIONS. Astrophysical Journal, Supplement Series, 2014, 210, 24.	7.7	15
1296	MEASURING DISTANCES AND REDDENINGS FOR A BILLION STARS: TOWARD A 3D DUST MAP FROM PAN-STARRS 1. Astrophysical Journal, 2014, 783, 114.	4.5	84
1297	THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. Astrophysical Journal, 2014, 795, 105.	4.5	159
1298	Results from the Wilkinson Microwave Anisotropy Probe. Progress of Theoretical and Experimental Physics, 2014, 2014, 6B102-0.	6.6	35
1299	The Dark Ages of the Universe and hydrogen reionization. Progress of Theoretical and Experimental Physics, 2014, 2014, 6B112-0.	6.6	13
1300	An alternative accurate tracer of molecular clouds: the â€~ <i>X</i> C <scp>i</scp> -factor'. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 440, L81-L85.	3.3	64
1301	A MEASUREMENT OF THE SECONDARY-CMB AND MILLIMETER-WAVE-FOREGROUND BISPECTRUM USING 800 deg ² OF SOUTH POLE TELESCOPE DATA. Astrophysical Journal, 2014, 784, 143.	4.5	49
1302	A POSSIBLE COLD IMPRINT OF VOIDS ON THE MICROWAVE BACKGROUND RADIATION. Astrophysical Journal, 2014, 786, 110.	4.5	74
1303	SPATIAL VARIATIONS IN THE SPECTRAL INDEX OF POLARIZED SYNCHROTRON EMISSION IN THE 9 yr <i>WMAP</i> SKY MAPS. Astrophysical Journal, 2014, 790, 104.	4.5	57
1304	TWO MICRON ALL SKY SURVEY PHOTOMETRIC REDSHIFT CATALOG: A COMPREHENSIVE THREE-DIMENSIONAL CENSUS OF THE WHOLE SKY. Astrophysical Journal, Supplement Series, 2014, 210, 9.	7.7	147
1305	A map of UHECRs deflections through the turbulent GMF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 271-272.	1.6	0
1306	An octahedral equal area partition of the sphere and near optimal configurations of points. Computers and Mathematics With Applications, 2014, 67, 1092-1107.	2.7	9

#	Article	IF	CITATIONS
1307	PARSEC: A parametrized simulation engine for ultra-high energy cosmic ray protons. Astroparticle Physics, 2014, 54, 110-117.	4.3	25
1308	Influence of the multiplicity of the roots on the basins of attraction of Newton's method. Numerical Algorithms, 2014, 66, 431-455.	1.9	9
1309	Distortion of the stellar velocity field parameters due to systematic variations of parallaxes over the celestial sphere. Astronomy Letters, 2014, 40, 46-58.	1.0	3
1310	A comparison of CMB angular power spectrum estimators at large scales: the TT case. Monthly Notices of the Royal Astronomical Society, 2014, 440, 957-964.	4.4	16
1311	Dark matter constraints from observations of 25 MilkyÂWay satellite galaxies with the Fermi Large Area Telescope. Physical Review D, 2014, 89, .	4.7	360
1312	Database of extended radiation maps and its access system. Astrophysical Bulletin, 2014, 69, 113-120.	1.3	7
1313	New cross-matching algorithm in large-scale catalogs with ThreadPool technique. Science China: Physics, Mechanics and Astronomy, 2014, 57, 577-583.	5.1	12
1314	Coherent States, Wavelets, and Their Generalizations. Theoretical and Mathematical Physics (United) Tj ETQq $1\ 1$	0.784314	rgBT /Overl
1315	A framework for building hypercubes using MapReduce. Computer Physics Communications, 2014, 185, 1429-1438.	7.5	8
1317	A refined limit on the predictability of human mobility. , 2014, , .		47
1318	THE SPECTRUM AND MORPHOLOGY OF THE <i>FERMI</i> BUBBLES. Astrophysical Journal, 2014, 793, 64.	4.5	239
1319	Diffusion of atomic oxygen relevant to water formation in amorphous interstellar ices. Faraday Discussions, 2014, 168, 205-222.	3.2	13
1320	THE 1% CONCORDANCE HUBBLE CONSTANT. Astrophysical Journal, 2014, 794, 135.	4.5	326
1321	Testing isotropy in the local Universe. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 070-070.	5.4	35
1322	A new method of constructing a grid in the space of 3D rotations and its applications to texture analysis. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 075013.	2.0	44
1323	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: baryon acoustic oscillations in the Data Releases 10 and 11 Galaxy samples. Monthly Notices of the Royal Astronomical Society, 2014, 441, 24-62.	4.4	1,168
1324	Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data. Physical Review Letters, 2014, 113, 101101.	7.8	873
1325	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND <i>B</i> SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. Astrophysical Journal, 2014, 794, 171.	4.5	233

#	Article	IF	CITATIONS
1326	Identifying Faceted Crystal Shape from Three-Dimensional Tomography Data. Crystal Growth and Design, 2014, 14, 1666-1675.	3.0	22
1327	The Atacama Cosmology Telescope: CMB polarization at 200 < â,," < 9000. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007.	5.4	121
1328	Clustering tomography: measuring cosmological distances through angular clustering in thin redshift shells. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3612-3623.	4.4	9
1329	An Optimal-Dimensionality Sampling Scheme on the Sphere With Fast Spherical Harmonic Transforms. IEEE Transactions on Signal Processing, 2014, 62, 4597-4610.	5.3	89
1330	Mapping gravitational-wave backgrounds using methods from CMB analysis: Application to pulsar timing arrays. Physical Review D, 2014, 90, .	4.7	70
1331	Directional dependence of CMB parity asymmetry. Physical Review D, 2014, 89, .	4.7	29
1332	Detection of <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>8</mml:mi></mml:math> -Mode Polarization at Degree Angular Scales by BICEP2. Physical Review Letters, 2014, 112, 241101.	7.8	1,227
1333	Searching for a dipole modulation in the large-scale structure of the Universe. Monthly Notices of the Royal Astronomical Society, 2014, 441, 2392-2397.	4.4	32
1334	Method of ignoring the systematic variations of stellar parallaxes over the celestial sphere in a kinematic analysis of stellar proper motions. Astronomy Letters, 2014, 40, 320-333.	1.0	0
1335	Voids in the SDSS DR9: observations, simulations, and the impact of the survey mask. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3127-3137.	4.4	60
1336	Exploiting the full potential of photometric quasar surveys: optimal power spectra through blind mitigation of systematics. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2-14.	4.4	45
1337	COSMIC REIONIZATION ON COMPLITERS. II. REIONIZATION HISTORY AND ITS BACK-REACTION ON EARLY GALAXIES. Astrophysical Journal, 2014, 793, 30.	4.5	91
1338	Two-point correlation function of Wilkinson Microwave Anisotropy Probe 9-yr data. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2076-2082.	4.4	25
1339	FINGERPRINTS OF GALACTIC LOOP I ON THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal Letters, 2014, 789, L29.	8.3	62
1340	Correlating Fourier phase information with real-space higher order statistics in CMB data. Physical Review D, 2014, 89, .	4.7	5
1341	Constraining f(R) gravity with Planck data on galaxy cluster profiles. Monthly Notices of the Royal Astronomical Society, 2014, 442, 921-928.	4.4	36
1342	Cosmic microwave background constraints on the tensor-to-scalar ratio. Research in Astronomy and Astrophysics, 2014, 14, 635-647.	1.7	2
1343	CO-dark gas and molecular filaments in Milky Way-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1628-1645.	4.4	153

#	Article	IF	Citations
1344	<i>Planck</i> 2013 results. I. Overview of products and scientific results. Astronomy and Astrophysics, 2014, 571, A1.	5.1	948
1345	The initial <i>Gaia</i> source list. Astronomy and Astrophysics, 2014, 570, A87.	5.1	36
1346	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. Astronomy and Astrophysics, 2014, 571, A30.	5.1	210
1347	To the center of cold spot with <i>Planck </i> . Astronomy and Astrophysics, 2014, 566, A135.	5.1	28
1348	<i>Planck</i> confirmation of the disk and halo rotation of M 31. Astronomy and Astrophysics, 2014, 565, L3.	5.1	20
1349	Dust properties inside molecular clouds from coreshine modeling and observations. Astronomy and Astrophysics, 2014, 572, A20.	5.1	36
1350	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	5.1	55
1351	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	5.1	134
1352	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510â^'089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46.	5.1	70
1353	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. Astronomy and Astrophysics, 2014, 571, A15.	5.1	364
1354	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> ll-sky Compton parameter map. Astronomy and Astrophysics, 2014, 571, A21.	5.1	133
1355	<i>Planck</i> 2013 results. XXVIII. The <i>Planck</i> Catalogue of Compact Sources. Astronomy and Astrophysics, 2014, 571, A28.	5.1	162
1356	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2014, 571, A19.	5.1	126
1357	<i>Planck</i> 2013 results. IX. HFI spectral response. Astronomy and Astrophysics, 2014, 571, A9.	5.1	129
1358	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. Astronomy and Astrophysics, 2014, 571, A23.	5.1	367
1359	<i>Planck</i> 2013 results. VII. HFI time response and beams. Astronomy and Astrophysics, 2014, 571, A7.	5.1	99
1360	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. Astronomy and Astrophysics, 2014, 571, A8.	5.1	107
1361	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. Astronomy and Astrophysics, 2014, 571, A18.	5.1	116

#	ARTICLE	IF	CITATIONS
1362	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. Astronomy and Astrophysics, 2014, 571, A4.	5.1	41
1363	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. Astronomy and Astrophysics, 2014, 571, A26.	5.1	91
1364	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. Astronomy and Astrophysics, 2014, 571, A2.	5.1	74
1365	Accelerating the cosmic microwave background map-making procedure through preconditioning. Astronomy and Astrophysics, 2014, 572, A39.	5.1	7
1366	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2014, 561, A97.	5.1	80
1367	Optimal estimator for the amplitude of the bispectrum from infrared clustered sources. Astronomy and Astrophysics, 2014, 569, A51.	5.1	3
1368	Distribution of Maximal Luminosity of Galaxies in the Sloan Digital Sky Survey. Proceedings of the International Astronomical Union, 2014, 10, 351-354.	0.0	0
1369	Cosmic infrared background measurements and star formation history from Planck. Proceedings of the International Astronomical Union, 2014, 10, 144-146.	0.0	0
1370	Searching for non-Gaussianity in the Planck data. Proceedings of the International Astronomical Union, 2014, 10, 147-149.	0.0	0
1371	Radial 3D-Needlets on the Unit Ball. Proceedings of the International Astronomical Union, 2014, 10, 75-77.	0.0	0
1372	Detectability of Torus Topology. Proceedings of the International Astronomical Union, 2014, 10, 139-143.	0.0	0
1373	On spin scale-discretised wavelets on the sphere for the analysis of CMB polarisation. Proceedings of the International Astronomical Union, 2014, 10, 64-67.	0.0	3
1374	Bayesian CMB foreground separation with a correlated log-normal model. Proceedings of the International Astronomical Union, 2014, 10, 16-18.	0.0	0
1375	Supervoid Origin of the Cold Spot in the Cosmic Microwave Background. Proceedings of the International Astronomical Union, 2014, 10, 269-272.	0.0	2
1376	QUIJOTE scientific results – I. Measurements of the intensity and polarisation of the anomalous microwave emission in the Perseus molecular complex. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4169-4182.	4.4	58
1377	A Dictionary Approach to Electron Backscatter Diffraction Indexing. Microscopy and Microanalysis, 2015, 21, 739-752.	0.4	131
1378	Exploring the diffuse interstellar bands with the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3629-3649.	4.4	56
1379	A hybrid ensemble learning approach to star–galaxy classification. Monthly Notices of the Royal Astronomical Society, 2015, 453, 507-521.	4.4	35

#	Article	IF	CITATIONS
1380	A THREE-DIMENSIONAL MAP OF MILKY WAY DUST. Astrophysical Journal, 2015, 810, 25.	4.5	408
1381	Polarized galactic synchrotron and dust emission and their correlation. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 020-020.	5.4	40
1382	Comparison of the XPM and UCAC4 catalogs. Astronomy Letters, 2015, 41, 575-592.	1.0	4
1383	Spherical harmonic transform for minimum dimensionality regular grid sampling on the sphere. , 2015, , .		1
1384	Influence of <i>Planck </i> foreground masks in the large angular scale quadrant CMB asymmetry. Astronomy and Astrophysics, 2015, 584, A115.	5.1	9
1385	Visibility-based approach to surface detection of tunnels in proteins. , 2015, , .		5
1386	Coaxing cosmic 21Âcm fluctuations from the polarized sky using <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:math> -mode analysis. Physical Review D, 2015, 91, .	4.7	112
1387	WISE measurement of the integrated Sachs-Wolfe effect. Physical Review D, 2015, 91, .	4.7	49
1388	Empirical covariance modeling for 21Âcm power spectrum estimation: A method demonstration and new limits from early Murchison Widefield Array 128-tile data. Physical Review D, 2015, 91, .	4.7	99
1389	Polyspectra searches for sharp oscillatory features in cosmic microwave sky data. Physical Review D, 2015, 91, .	4.7	39
1390	Novel scheme for rapid parallel parameter estimation of gravitational waves from compact binary coalescences. Physical Review D, 2015, 92, .	4.7	86
1391	Phase-coherent mapping of gravitational-wave backgrounds using ground-based laser interferometers. Physical Review D, 2015, 92, .	4.7	25
1392	Topology beyond the horizon: How far can it be probed? Physical Review D, 2015, 92, .	4.7	7
1393	Microwave background correlations from dipole anisotropy modulation. Physical Review D, 2015, 92, .	4.7	38
1394	Cross-correlation of Planck CMB lensing and CFHTLenS galaxy weak lensing maps. Physical Review D, 2015, 92, .	4.7	48
1395	Novel approach to reconstructing signals of isotropy violation from a masked CMB sky. Physical Review D, 2015, 92, .	4.7	9
1396	Detecting the tensor-to-scalar ratio with the pure pseudospectrum reconstruction of B-mode. Physical Review D, 2015, 92, .	4.7	4
1397	Mapping gravitational-wave backgrounds of arbitrary polarisation using pulsar timing arrays. Physical Review D, 2015, 92, .	4.7	34

#	ARTICLE	IF	CITATIONS
1398	OPTIMIZED LARGE-SCALE CMB LIKELIHOOD AND QUADRATIC MAXIMUM LIKELIHOOD POWER SPECTRUM ESTIMATION. Astrophysical Journal, Supplement Series, 2015, 221, 5.	7.7	9
1399	A neural-network based estimator to search for primordial non-Gaussianity in Planck CMB maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 064-064.	5.4	13
1400	Detecting anomalies in CMB maps: a new method. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 017-017.	5.4	0
1401	All-sky, narrowband, gravitational-wave radiometry with folded data. Physical Review D, 2015, 91, .	4.7	10
1402	Improved limits on sterile neutrino dark matter using full-sky Fermi Gamma-ray Burst Monitor data. Physical Review D, 2015, 92, .	4.7	45
1403	THE IMPACT OF THE IONOSPHERE ON GROUND-BASED DETECTION OF THE GLOBAL EPOCH OF REIONIZATION SIGNAL. Astrophysical Journal, 2015, 813, 18.	4.5	24
1404	ON THE DETECTION OF SPECTRAL RIPPLES FROM THE RECOMBINATION EPOCH. Astrophysical Journal, 2015, 810, 3.	4.5	35
1405	THE CLUSTERING OF RADIO GALAXIES: BIASING AND EVOLUTION VERSUS STELLAR MASS. Astrophysical Journal, 2015, 812, 85.	4.5	30
1406	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. Astrophysical Journal, 2015, 813, 109.	4.5	405
1407	THE CENTER OF LIGHT: SPECTROASTROMETRIC DETECTION OF EXOMOONS. Astrophysical Journal, 2015, 812, 5.	4.5	47
1408	PROBING THE DARK FLOW SIGNAL IN <i>WMAP</i> 9-YEAR AND <i>PLANCK</i> COSMIC MICROWAVE BACKGROUND MAPS. Astrophysical Journal, 2015, 810, 143.	4.5	38
1409	THE Q/U IMAGING EXPERIMENT: POLARIZATION MEASUREMENTS OF THE GALACTIC PLANE AT 43 AND 95 GHz. Astrophysical Journal, 2015, 811, 89.	4.5	9
1410	MEASURING THE LARGEST ANGULAR SCALE CMB B-MODE POLARIZATION WITH GALACTIC FOREGROUNDS ON A CUT SKY. Astrophysical Journal, 2015, 814, 103.	4.5	22
1411	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 580, A22.	5.1	80
1412	Estimating extragalactic Faraday rotation. Astronomy and Astrophysics, 2015, 575, A118.	5.1	140
1413	Planckrevealed bulk motion of Centaurus A lobes. Astronomy and Astrophysics, 2015, 580, L8.	5.1	14
1414	Planckview of the M 82 galaxy. Astronomy and Astrophysics, 2015, 582, A77.	5.1	15
1415	CMB seen through random Swiss Cheese. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 057-057.	5.4	18

#	Article	IF	CITATIONS
1416	A new model to predict weak-lensing peak counts. Astronomy and Astrophysics, 2015, 576, A24.	5.1	55
1417	Cross-correlation of CFHTLenS galaxy catalogue and <i>Planck </i> CMB lensing using the halo model prescription. Astronomy and Astrophysics, 2015, 584, A53.	5.1	16
1418	Frankenplace., 2015,,.		26
1419	Local variance asymmetries in Planck temperature anisotropy maps. Monthly Notices of the Royal Astronomical Society, 2015, 446, 4232-4238.	4.4	21
1420	The First Billion Years project: the escape fraction of ionizing photons in the epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2544-2563.	4.4	172
1421	Lack of large-angle TT correlations persists in WMAP and Planck. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2978-2985.	4.4	55
1422	Polarized radio filaments outside the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2015, 452, 656-675.	4.4	62
1423	Environment-based selection effects of <i>Planck </i> clusters. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2353-2366.	4.4	2
1424	The MICE grand challenge lightcone simulation $\hat{a}\in$ I. Dark matter clustering. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2987-3000.	4.4	154
1425	INTEGRAL 11-year hard X-ray survey above 100ÂkeV. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3766-3774.	4.4	19
1426	A new map-making algorithm for CMB polarization experiments. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2058-2069.	4.4	7
1427	Probing cosmology with weak lensing selected clusters – I. Halo approach and all-sky simulations. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3044-3068.	4.4	40
1428	Hydrogen reionization in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3594-3611.	4.4	44
1429	The integrated Sachs–Wolfe signal from BOSS superstructures. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2804-2814.	4.4	25
1430	A Compton-thick AGN in the barred spiral galaxy NGC 4785. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1845-1855.	4.4	26
1431	Metal transport and chemical heterogeneity in early star forming systems. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1190-1198.	4.4	57
1432	The LMC geometry and outer stellar populations from early DES data. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1129-1145.	4.4	39
1433	Star/galaxy separation at faint magnitudes: application to a simulated Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 450, 666-680.	4.4	43

#	Article	IF	CITATIONS
1434	The Spitzer South Pole Telescope Deep-Field Survey: linking galaxies and haloes at $z=1.5$. Monthly Notices of the Royal Astronomical Society, 2015, 446, 169-194.	4.4	18
1435	An improved source-subtracted and destriped 408-MHz all-sky map. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4311-4327.	4.4	214
1436	C-Band All-Sky Survey: a first look at the Galaxy. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3572-3586.	4.4	29
1437	Homogeneity and isotropy in the Two Micron All Sky Survey Photometric Redshift catalogue. Monthly Notices of the Royal Astronomical Society, 2015, 449, 670-684.	4.4	59
1438	Calcium H& K and sodium D absorption induced by the interstellar and circumgalactic media of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2015, 452, 511-519.	4.4	28
1439	Multi-view Reconstruction of Highly Specular Surfaces in Uncontrolled Environments. , 2015, , .		20
1440	Constraining the evolution of the CMB temperature with SZ measurements from Planck data. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 011-011.	5.4	27
1441	Cosmic ray propagation with CRPropa 3. Journal of Physics: Conference Series, 2015, 608, 012076.	0.4	4
1442	Exploring Two Approaches for an End-to-End Scientific Analysis Workflow. Journal of Physics: Conference Series, 2015, 664, 062058.	0.4	0
1443	Search for dark matter annihilation in the Galactic Center with IceCube-79. European Physical Journal C, 2015, 75, 1.	3.9	52
1444	Limits on the fluctuating part of $\langle i \rangle y \langle i \rangle$ -type distortion monopole from Planck and SPT results. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 013-013.	5.4	16
1445	Gamma ray tests of Minimal Dark Matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 026-026.	5.4	69
1446	The Galactic Center GeV excess from a series of leptonic cosmic-ray outbursts. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	88
1447	On the detection of point sources in Planck LFI 70 GHz CMB maps based on cleaned K-map. Modern Physics Letters A, 2015, 30, 1550083.	1.2	0
1448	The morphology of the Anomalous Microwave Emission in the Planck 2015 data release. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 029-029.	5.4	2
1449	Measuring phasedâ€array antenna beampatterns with high dynamic range for the Murchison Widefield Array using 137 MHz ORBCOMM satellites. Radio Science, 2015, 50, 614-629.	1.6	42
1450	Dense Omnidirectional RGBâ€D Mapping of Largeâ€scale Outdoor Environments for Realâ€time Localization and Autonomous Navigation. Journal of Field Robotics, 2015, 32, 474-503.	6.0	26
1451	Constraints on $\hat{l}\frac{1}{4}$ -distortion fluctuations and primordial non-Gaussianity from Planck data. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 026-026.	5.4	21

#	Article	IF	CITATIONS
1452	Skewness and kurtosis as indicators of non-Gaussianity in galactic foreground maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 019-019.	5.4	10
1453	Non-Gaussian structure of B-mode polarization after delensing. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 004-004.	5.4	17
1454	Polarized cosmic microwave background map recovery with sparse component separation. Astronomy and Astrophysics, 2015, 583, A92.	5.1	2
1455	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. Astronomy and Astrophysics, 2015, 576, A104.	5.1	296
1456	Categorization and Conversions for Indexing Methods of Discrete Global Grid Systems. ISPRS International Journal of Geo-Information, 2015, 4, 320-336.	2.9	53
1457	Spatial Fingerprints of Community Structure in Human Interaction Network for an Extensive Set of Large-Scale Regions. PLoS ONE, 2015, 10, e0126713.	2.5	20
1458	<i>Planck</i> intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. Astronomy and Astrophysics, 2015, 576, A105.	5.1	119
1459	<i>Planck</i> intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. Astronomy and Astrophysics, 2015, 576, A106.	5.1	68
1460	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 580, A13.	5.1	37
1461	Blind Search for Variability in Planck Data. Proceedings of the International Astronomical Union, 2015, 11, 62-63.	0.0	0
1462	The denoised, deconvolved, and decomposed <i>>Fermi >\hat{I}^3 </i> <ray 2015,="" 581,="" a126.<="" and="" astronomy="" astrophysics,="" sky.="" td=""><td>5.1</td><td>54</td></ray>	5.1	54
1463	Cosmological constraints from the observed angular cross-power spectrum between Sunyaev-Zel'dovich and X-ray surveys. Astronomy and Astrophysics, 2015, 576, A90.	5.1	15
1464	<i>Planck</i> i>intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust in intensity and polarization. Astronomy and Ast A107.	ro ph ysics,	2 01 5, 576,
1465	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 582, A28.	5.1	33
1466	SMALL-SCALE ANISOTROPIES OF COSMIC RAYS FROM RELATIVE DIFFUSION. Astrophysical Journal Letters, 2015, 815, L2.	8.3	27
1467	Far-infrared excess emission as a tracer of disk-halo interaction. Astronomy and Astrophysics, 2015, 573, A83.	5.1	8
1468	Hierarchical progressive surveys. Astronomy and Astrophysics, 2015, 578, A114.	5.1	38
1469	Joint Analysis of BICEP2/ <i>Keck Array</i> and <i>Planck</i> Data. Physical Review Letters, 2015, 114, 101301.	7.8	819

#	Article	IF	CITATIONS
1470	DETECTION OF QUASAR FEEDBACK FROM THE THERMAL SUNYAEV–ZEL'DOVICH EFFECT IN <i>PLANCK</i> Astrophysical Journal, 2015, 802, 135.	4.5	33
1471	FIRST INVESTIGATION OF THE COMBINED IMPACT OF IONIZING RADIATION AND MOMENTUM WINDS FROM A MASSIVE STAR ON A SELF-GRAVITATING CORE. Astrophysical Journal, 2015, 798, 32.	4.5	19
1472	PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. Astrophysical Journal, 2015, 804, 114.	4.5	117
1473	Extragalactic sources in Cosmic Microwave Background maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	5.4	13
1474	Foreground removal for Square Kilometre Array observations of the epoch of reionization with the correlated component analysis. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1973-1983.	4.4	33
1475	Efficient Quadrature Rules for Illumination Integrals: From Quasi Monte Carlo to Bayesian Monte Carlo. Synthesis Lectures on Computer Graphics and Animation, 2015, 7, 1-92.	0.1	3
1476	Detection of a supervoid aligned with the cold spot of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2015, 450, 288-294.	4.4	69
1477	Cosmological constraints from Subaru weak lensing cluster counts. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	40
1478	Clustering of intermediate redshift quasars using the final SDSS III-BOSS sample. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2780-2799.	4.4	115
1479	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. Astrophysical Journal, 2015, 811, 21.	4.5	9
1480	<tt>Fervent</tt> : chemistry-coupled, ionizing and non-ionizing radiative feedback in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 380-411.	4.4	39
1481	Simulations for single-dish intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3240-3253.	4.4	49
1482	Extreme value statistics of cosmic microwave background lensing deflection angles. Monthly Notices of the Royal Astronomical Society, 2015, 453, 401-407.	4.4	0
1483	The CIB-lensing bispectrum: impact on primordial non-Gaussianity and detectability for the Planck mission. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3778-3801.	4.4	5
1484	torus-3dpdr: a self-consistent code treating three-dimensional photoionization and photodissociation regions. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2828-2843.	4.4	31
1485	Searching for concentric low variance circles in the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 031-031.	5.4	10
1486	Computational Analysis of SAXS Data Acquisition. Journal of Computational Biology, 2015, 22, 787-805.	1.6	3
1487	Matching radio catalogues with realistic geometry: application to SWIRE and ATLAS. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1299-1305.	4.4	27

#	Article	IF	CITATIONS
1488	Cross-Matching Large Astronomical Catalogs on Heterogeneous Clusters. , 2015, , .		2
1489	Systematic differences between the positions and proper motions of stars from the PPMXL and UCAC4 catalogs. Astronomy Letters, 2015, 41, 317-333.	1.0	9
1490	Super Generalized 4PCS for 3D Registration., 2015,,.		46
1491	The JCMT Gould Belt Survey: a quantitative comparison between SCUBA-2 data reduction methods. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2557-2579.	4.4	47
1492	Limits on dark matter annihilation signals from the Fermi LAT 4-year measurement of the isotropic gamma-ray background. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 008-008.	5.4	90
1493	Towards a realistic astrophysical interpretation of the gamma-ray Galactic center excess. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 056-056.	5.4	61
1494	Efficient Indexing and Querying of Massive Astronomical Data Using Compressed Word-Aligned Hybrid Bitmap. , 2015, , .		0
1495	Geocoding textual documents through the usage of hierarchical classifiers. , 2015, , .		10
1496	BICEP2/KECK ARRAY V: MEASUREMENTS OF < i>B < /i>-MODE POLARIZATION AT DEGREE ANGULAR SCALES AND 150 GHz BY THE KECK ARRAY. Astrophysical Journal, 2015, 811, 126.	4.5	79
1497	DETECTING AND CONSTRAINING N ₂ ABUNDANCES IN PLANETARY ATMOSPHERES USING COLLISIONAL PAIRS. Astrophysical Journal, 2015, 810, 57.	4.5	73
1498	Mapmaking for precision 21Âcm cosmology. Physical Review D, 2015, 91, .	4.7	36
1499	THREE-DIMENSIONAL DUST MAPPING REVEALS THAT ORION FORMS PART OF A LARGE RING OF DUST. Astrophysical Journal, 2015, 799, 116.	4.5	32
1500	Revisiting constraints on the (pseudo)conformal universe with Planck data. Physical Review D, 2015, 91, .	4.7	14
1501	Clues on void evolution – III. Structure and dynamics in void shells. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1471-1482.	4.4	26
1502	Cosmic ray contribution in the WMAP of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1030-1034.	4.4	3
1503	Machine learning etudes in astrophysics: selection functions for mock cluster catalogs. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	4
1504	Relating the inhomogeneous power spectrum to the CMB hemispherical anisotropy. Physical Review D, 2015, 91, .	4.7	14
1505	Planck data reconsidered. Physical Review D, 2015, 91, .	4.7	87

#	Article	IF	CITATIONS
1506	Searches for small-scale anisotropies from neutrino point sources with three years of IceCube data. Astroparticle Physics, 2015, 66, 39-52.	4.3	34
1507	Orthogonal bipolar spherical harmonics measures: Scrutinizing sources of isotropy violation. Physical Review D, 2015, 91, .	4.7	7
1508	Genus topology and cross-correlation of BICEP2 and Planck 353ÂGHz B-modes: further evidence favouring gravity wave detection. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2034-2045.	4.4	16
1509	Solution to the Cosmic Ray Anisotropy Problem. Physical Review Letters, 2015, 114, 021101.	7.8	46
1510	Primordial non-Gaussian signatures in CMB polarization. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 028-028.	5.4	12
1511	Constraining dark sector perturbations II: ISW and CMB lensing tomography. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 037-037.	5.4	11
1512	All-sky reconstruction of the primordial scalar potential from WMAP temperature data. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 041-041.	5.4	3
1513	OPTICALLY THICK H I DOMINANT IN THE LOCAL INTERSTELLAR MEDIUM: AN ALTERNATIVE INTERPRETATION TO "DARK GAS― Astrophysical Journal, 2015, 798, 6.	4.5	77
1514	ASTROCHEMICAL CORRELATIONS IN MOLECULAR CLOUDS. Astrophysical Journal, 2015, 799, 235.	4.5	21
1515	FAR-ULTRAVIOLET STUDY OF THE ζ-OPHIUCHI H II REGION. Astrophysical Journal, 2015, 800, 132.	4.5	9
1516	A NEW APPROACH TO DETERMINE OPTICALLY THICK H ₂ COOLING AND ITS EFFECT ON PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2015, 799, 114.	4.5	25
1517	THE SPECTRUM OF ISOTROPIC DIFFUSE GAMMA-RAY EMISSION BETWEEN 100ÂMeV AND 820ÂGeV. Astrophysical Journal, 2015, 799, 86.	4.5	556
1518	MODELING THERMAL DUST EMISSION WITH TWO COMPONENTS: APPLICATION TO THE <i>PLANCK</i> FREQUENCY INSTRUMENT MAPS. Astrophysical Journal, 2015, 798, 88.	4.5	76
1519	A Framework for Statistical Inference in Astrophysics. Annual Review of Statistics and Its Application, 2015, 2, 141-162.	7.0	5
1520	Absorption and luminescence characteristics of 517↔518transitions of the holmium ion in Ho3+-doped aluminosilicate preforms and fibres. Quantum Electronics, 2015, 45, 102-104.	1.0	9
1521	Enhancement and wavelength-shifted emission of Cerenkov luminescence using multifunctional microspheres. Physics in Medicine and Biology, 2015, 60, 727-739.	3.0	16
1522	COMPARING < i>PLANCK < / i> AND < i> WMAP < / i>: MAPS, SPECTRA, AND PARAMETERS. Astrophysical Journal, 2015, 801, 9.	4.5	26
1523	Multipole analysis of IceCube data to search for dark matter accumulated in the Galactic halo. European Physical Journal C, 2015, 75, 1.	3.9	28

#	Article	IF	Citations
1524	Blind foreground subtraction for intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2015, 447, 400-416.	4.4	102
1525	Distributing many points on spheres: Minimal energy and designs. Journal of Complexity, 2015, 31, 293-326.	1.3	67
1526	Dipole anisotropy in integrated linearly polarized flux density in NVSS data. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2658-2670.	4.4	45
1527	Observatory/data centre partnerships and the VO-centric archive: The JCMT Science Archive experience. Astronomy and Computing, 2015, 11, 161-168.	1.7	7
1528	Applications of the Gaussian kinematic formula to CMB data analysis. Physical Review D, 2015, 91, .	4.7	11
1529	Combining power spectrum and bispectrum measurements to detect oscillatory features. Physical Review D, 2015, 91, .	4.7	48
1530	On the proper kinetic quadrupole CMB removal and the quadrupole anomalies. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 047-047.	5.4	22
1531	MEASUREMENTS OF SUB-DEGREE <i>B</i> -MODE POLARIZATION IN THE COSMIC MICROWAVE BACKGROUND FROM 100 SQUARE DEGREES OF SPTPOL DATA. Astrophysical Journal, 2015, 807, 151.	4.5	117
1532	<i>FERMI</i> LARGE AREA TELESCOPE THIRD SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2015, 218, 23.	7.7	1,224
1533	CONSTRAINING THE BARYON FRACTION IN THE WARM HOT INTERGALACTIC MEDIUM AT LOW REDSHIFTS WITH PLANCK DATA. Astrophysical Journal, 2015, 806, 113.	4.5	12
1534	Dusting off the diffuse interstellar bands: DIBs and dust in extragalactic Sloan Digital Sky Survey spectra. Monthly Notices of the Royal Astronomical Society, 2015, 447, 545-558.	4.4	24
1535	Linearized iterative least-squares (LIL): a parameter-fitting algorithm for component separation in multifrequency cosmic microwave background experiments such asPlanck. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3321-3339.	4.4	11
1536	The impact of feedback on cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 59-74.	4.4	120
1537	Star–galaxy separation strategies for WISE-2MASS all-sky infrared galaxy catalogues. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1305-1313.	4.4	43
1538	Towards simulating star formation in turbulent high-z galaxies with mechanical supernova feedback. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2900-2921.	4.4	125
1539	How an improved implementation of H ₂ self-shielding influences the formation of massive stars and black holes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1233-1244.	4.4	42
1540	A spatial-correlation analysis of the cubic 3-torus topology based on the Planck 2013 data. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1493-1501.	4.4	4
1541	PROBING COSMOLOGICAL ISOTROPY WITH TYPE Ia SUPERNOVAE. Astrophysical Journal, 2015, 808, 39.	4.5	52

#	Article	IF	CITATIONS
1542	Cold imprint of supervoids in the cosmic microwave background re-considered with <i>Planck </i> Baryon Oscillation Spectroscopic Survey DR10. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1295-1302.	4.4	19
1543	Can galactic dark matter substructure contribute to the cosmic gamma-ray anisotropy?. Monthly Notices of the Royal Astronomical Society, 2015, 447, 939-947.	4.4	6
1544	Atmospheric and astrophysical neutrinos above 1ÂTeV interacting in IceCube. Physical Review D, 2015, 91,	4.7	209
1545	Gaussian approximation of peak values in the integrated Sachs-Wolfe effect. Physical Review D, 2015, 91,	4.7	17
1546	Global optimization for future gravitational wave detector sites. Classical and Quantum Gravity, 2015, 32, 105010.	4.0	7
1547	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. JETP Letters, 2015, 101, 295-298.	1.4	4
1548	Using hybrid GPU/CPU kernel splitting to accelerate spherical convolutions. Astronomy and Computing, 2015, 11, 18-24.	1.7	0
1549	Mobile applications and Virtual Observatory. Astronomy and Computing, 2015, 11, 155-160.	1.7	1
1550	CMB low multipole alignments in the $\hat{\mathfrak{b}}$ CDM and dipolar models. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	5.4	14
1551	Combining radiative transfer and diffuse interstellar medium physics to model star formation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2643-2667.	4.4	30
1552	Noncommutative geometry and the primordial dipolar imaginary power spectrum. European Physical Journal C, 2015, 75, 1.	3.9	7
1553	<i>MAXI</i> INVESTIGATION INTO THE LONG-TERM X-RAY VARIABILITY FROM THE VERY-HIGH-ENERGY γ-RAY BLAZAR Mrk 421. Astrophysical Journal, 2015, 798, 27.	4.5	36
1554	Inferring the redshift distribution of the cosmic infrared backgrounda~ Monthly Notices of the Royal Astronomical Society, 2015, 446, 2696-2708.	4.4	38
1555	Swift follow-up of IceCube triggers, and implications for the Advanced-LIGO era. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2210-2223.	4.4	22
1556	Novel Sampling Scheme on the Sphere for Head-Related Transfer Function Measurements. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1068-1081.	5.8	24
1557	Lunar occultation of the diffuse radio sky: LOFAR measurements between 35 and 80ÂMHz. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2291-2305.	4.4	20
1558	Mass and galaxy distributions of four massive galaxy clusters from Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2219-2238.	4.4	55
1559	Large-scale alignments from WMAP and Planck. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3458-3470.	4.4	63

#	ARTICLE	IF	CITATIONS
1560	Cosmic polarization rotation: An astrophysical test of fundamental physics. International Journal of Modern Physics D, 2015, 24, 1530016.	2.1	15
1561	BIGHORNS - Broadband Instrument for Global HydrOgen ReioNisation Signal. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	101
1562	Eigenbeam analysis of the diversity in bat biosonar beampatterns. Journal of the Acoustical Society of America, 2015, 137, 1081-1087.	1.1	10
1563	JMAPS OBSERVATIONS PLANNING SIMULATOR. Astronomical Journal, 2015, 149, 173.	4.7	21
1564	THE Q/U IMAGING EXPERIMENT: POLARIZATION MEASUREMENTS OF RADIO SOURCES AT 43 AND 95 GHz. Astrophysical Journal, 2015, 806, 112.	4. 5	5
1565	THE GALACTIC ²⁶ AL EMISSION MAP AS REVEALED BY <i>INTEGRAL</i> SPI. Astrophysical Journal, 2015, 801, 142.	4.5	47
1566	THE NEEDLE IN THE 100 deg ² HAYSTACK: UNCOVERING AFTERGLOWS OF <i>FERMI</i> GRBs WITH THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2015, 806, 52.	4.5	43
1567	LOCAL H i EMISSIVITY MEASURED WITH <i>FERMI</i> LAT AND IMPLICATIONS FOR COSMIC-RAY SPECTRA. Astrophysical Journal, 2015, 806, 240.	4.5	42
1568	Observed parity-odd CMB temperature bispectrum. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 007-007.	5.4	35
1569	On the significance of power asymmetries in Planck CMB data at all scales. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 008-008.	5.4	45
1570	Simulations of cm-wavelength Sunyaev-Zel'dovich galaxy cluster and point source blind sky surveys and predictions for the RT32/OCRA-f and the Hevelius 100-m radio telescope. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 004-004.	5.4	3
1571	Background model systematics for the Fermi GeV excess. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	359
1572	A CMB GIBBS SAMPLER FOR LOCALIZED SECONDARY ANISOTROPIES. Astrophysical Journal, Supplement Series, 2015, 219, 10.	7.7	3
1573	A Survey of Digital Earth. Computers and Graphics, 2015, 53, 95-117.	2.5	94
1574	Lensing measurements of the mass distribution in SDSS voids. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3357-3365.	4.4	72
1575	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. European Physical Journal C, 2015, 75, 269.	3.9	12
1576	THE TRANSITING EXOPLANET SURVEY SATELLITE: SIMULATIONS OF PLANET DETECTIONS AND ASTROPHYSICAL FALSE POSITIVES. Astrophysical Journal, 2015, 809, 77.	4.5	415
1577	Nonphotosynthetic Pigments as Potential Biosignatures. Astrobiology, 2015, 15, 341-361.	3.0	61

#	Article	IF	CITATIONS
1578	Variance analysis for Monte Carlo integration. ACM Transactions on Graphics, 2015, 34, 1-14.	7.2	40
1579	The modelling of feedback in star formation simulations. New Astronomy Reviews, 2015, 68, 1-33.	12.8	91
1580	The nature of the Diffuse Gamma-Ray Background. Physics Reports, 2015, 598, 1-58.	25.6	93
1581	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND GRAVITATIONAL LENSING POTENTIAL FROM 100 SQUARE DEGREES OF SPTPOL DATA. Astrophysical Journal, 2015, 810, 50.	4.5	99
1582	ON THE CLUSTER PHYSICS OF SUNYAEV–ZEL'DOVICH AND X-RAY SURVEYS. IV. CHARACTERIZING DENSITY AND PRESSURE CLUMPING DUE TO INFALLING SUBSTRUCTURES. Astrophysical Journal, 2015, 806, 43.	4.5	26
1583	CROSS-CORRELATION BETWEEN THE CMB LENSING POTENTIAL MEASURED BY <i>PLANCK </i> AND HIGH- <i>z </i> SUBMILLIMETER GALAXIES DETECTED BY THE <i>HERSCHEL </i> FATLAS SURVEY. Astrophysical Journal, 2015, 802, 64.	4.5	61
1584	Modelling [C i] emission from turbulent molecular clouds. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1607-1627.	4.4	65
1585	Testing isotropy of cosmos with WMAP and PLANCK data. Modern Physics Letters A, 2015, 30, 1550131.	1.2	7
1586	PROBING THE ISOTROPY OF COSMIC ACCELERATION TRACED BY TYPE Ia SUPERNOVAE. Astrophysical Journal, 2015, 810, 47.	4.5	82
1587	EIGHT NEW MILKY WAY COMPANIONS DISCOVERED IN FIRST-YEAR DARK ENERGY SURVEY DATA. Astrophysical Journal, 2015, 807, 50.	4.5	466
1588	Constraining the WMAP9 bispectrum and trispectrum with needlets. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 013-013.	5.4	14
1589	MEASURING THE LUMINOSITY AND VIRIAL BLACK HOLE MASS DEPENDENCE OF QUASAR–GALAXY CLUSTERING AT <i>z</i> i>â ¹ /4 0.8. Astrophysical Journal, 2015, 803, 4.	4.5	13
1590	<i>>FERMI</i> -LAT OBSERVATIONS OF HIGH- AND INTERMEDIATE-VELOCITY CLOUDS: TRACING COSMIC RAYS IN THE HALO OF THE MILKY WAY. Astrophysical Journal, 2015, 807, 161.	4.5	37
1591	Simulations for a next-generation UHECR observatory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 030-030.	5.4	8
1592	CONSTRAINING THE REDSHIFT EVOLUTION OF THE COSMIC MICROWAVE BACKGROUND BLACKBODY TEMPERATURE WITH < i > PLANCK < / i > DATA. Astrophysical Journal, 2015, 808, 128.	4.5	24
1593	Distinguishing dark matter from unresolved point sources in the Inner Galaxy with photon statistics. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 056-056.	5.4	52
1594	TOMOGRAPHY OF THE <i>FERMI</i> -LAT <i>γ</i> -RAY DIFFUSE EXTRAGALACTIC SIGNAL VIA CROSS CORRELATIONS WITH GALAXY CATALOGS. Astrophysical Journal, Supplement Series, 2015, 217, 15.	7.7	54
1595	The Kullback-Leibler divergence as an estimator of the statistical properties of CMB maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 051-051.	5.4	11

#	Article	IF	CITATIONS
1596	starbench: the D-type expansion of an H ii region. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1324-1343.	4.4	80
1597	The MICE Grand Challenge light-cone simulation – III. Galaxy lensing mocks from all-sky lensing maps. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1319-1332.	4.4	126
1598	Matrix-free large-scale Bayesian inference in cosmology. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1204-1212.	4.4	27
1599	Modelling of the spectral energy distribution of Fornax A: leptonic and hadronic production of high-energy emission from the radio lobes. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3478-3491.	4.4	41
1600	CONSTRAINTS ON SPATIAL VARIATIONS IN THE FINE-STRUCTURE CONSTANT FROM < i>PLANCK < /i>Astrophysical Journal, 2015, 798, 18.	4.5	12
1601	Creating mock catalogues of stellar haloes from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2274-2290.	4.4	32
1602	A Slepian framework for the inverse problem of equivalent gravitational potential generated by discrete point masses. Inverse Problems in Science and Engineering, 2015, 23, 331-350.	1.2	2
1603	VIDE: The Void IDentification and Examination toolkit. Astronomy and Computing, 2015, 9, 1-9.	1.7	99
1604	Dipole anisotropy in sky brightness and source count distribution in radio NVSS data. Astroparticle Physics, 2015, 61, 1-11.	4.3	65
1605	Star catalog position and proper motion corrections in asteroid astrometry. Icarus, 2015, 245, 94-111.	2.5	71
1606	Magnetic deflections of ultra-high energy cosmic rays from Centaurus A. Astroparticle Physics, 2015, 61, 47-55.	4.3	21
1607	iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 824, L24.	8.3	46
1608	COLD MILKY WAY H i GAS IN FILAMENTS. Astrophysical Journal, 2016, 821, 117.	4.5	60
1609	BALLOON-BORNE SUBMILLIMETER POLARIMETRY OF THE VELA C MOLECULAR CLOUD: SYSTEMATIC DEPENDENCE OF POLARIZATION FRACTION ON COLUMN DENSITY AND LOCAL POLARIZATION-ANGLE DISPERSION. Astrophysical Journal, 2016, 824, 134.	4.5	99
1610	TOWARD A TOMOGRAPHIC ANALYSIS OF THE CROSS-CORRELATION BETWEEN PLANCK CMB LENSING AND H-ATLAS GALAXIES. Astrophysical Journal, 2016, 825, 24.	4.5	35
1611	THE HYDROGEN EPOCH OF REIONIZATION ARRAY DISH. I. BEAM PATTERN MEASUREMENTS AND SCIENCE IMPLICATIONS. Astrophysical Journal, 2016, 826, 199.	4.5	48
1612	TESTING LSST DITHER STRATEGIES FOR SURVEY UNIFORMITY AND LARGE-SCALE STRUCTURE SYSTEMATICS. Astrophysical Journal, 2016, 829, 50.	4.5	23
1613	COSMIC-RAY SMALL-SCALE ANISOTROPIES AND LOCAL TURBULENT MAGNETIC FIELDS. Astrophysical Journal, 2016, 830, 19.	4. 5	24

#	ARTICLE	IF	CITATIONS
1614	SIMULATIONS OF THE PAIRWISE KINEMATIC SUNYAEV–ZEL'DOVICH SIGNAL. Astrophysical Journal, 2016, 823, 98.	4.5	32
1615	Constraints on the dark energy dipole from large-scale structures. Astronomy and Astrophysics, 2016, 595, L13.	5.1	O
1616	Optimal cosmic microwave background map-making in the presence of cross-correlated noise. Astronomy and Astrophysics, 2016, 593, A15.	5.1	9
1617	REDUNDANT ARRAY CONFIGURATIONS FOR 21 cm COSMOLOGY. Astrophysical Journal, 2016, 826, 181.	4.5	59
1618	WISE × SuperCOSMOS PHOTOMETRIC REDSHIFT CATALOG: 20 MILLION GALAXIES OVER 3π STERADIANS. Astrophysical Journal, Supplement Series, 2016, 225, 5.	7.7	73
1619	HI4PI: a full-sky H i survey based on EBHIS and GASS. Astronomy and Astrophysics, 2016, 594, A116.	5.1	813
1620	All-sky census of Galactic high-latitude molecular intermediate-velocity clouds. Astronomy and Astrophysics, 2016, 596, A94.	5.1	18
1621	High-resolution HI and CO observations of high-latitude intermediate-velocity clouds. Astronomy and Astrophysics, 2016, 592, A142.	5.1	7
1622	Angular two-point correlation of NVSS galaxies revisited. Astronomy and Astrophysics, 2016, 591, A135.	5.1	18
1623	Magnetic field morphology in nearby molecular clouds as revealed by starlight and submillimetre polarization. Astronomy and Astrophysics, 2016, 596, A93.	5.1	40
1624	Machine-learning identification of galaxies in the WISE $\tilde{A}-$ SuperCOSMOS all-sky catalogue. Astronomy and Astrophysics, 2016, 596, A39.	5.1	35
1625	Updated galactic radio constraints on Dark Matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 041-041.	5.4	19
1626	High significance detection of the tSZ effect relativistic corrections. Astronomy and Astrophysics, 2016, 596, A61.	5.1	15
1627	SUPPLEMENT: "GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP―(2016, ApJL, 829, L15). Astrophysical Journal, Supplement Series, 2016, 226, 10.	7.7	41
1628	Quasar host environments: The view from <i>Planck </i> . Astronomy and Astrophysics, 2016, 588, A61.	5.1	19
1629	A PERTURBATIVE ANALYSIS OF SYNCHROTRON SPECTRAL INDEX VARIATION OVER THE MICROWAVE SKY. Astrophysical Journal, 2016, 829, 113.	4.5	10
1630	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A134.	5.1	48
1631	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A7.	5.1	94

#	Article	IF	CITATIONS
1632	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A10.	5.1	384
1633	Comparison of absolute gain photometric calibration between <i>Planck</i> /HFI and <i>Herschel</i> /SPIRE at 545 and 857 GHz. Astronomy and Astrophysics, 2016, 588, A107.	5.1	24
1634	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A23.	5.1	89
1635	Characterization of foreground emission on degree angular scales for CMB <i>B</i> -mode observations. Astronomy and Astrophysics, 2016, 588, A65.	5.1	39
1636	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1431-1450.	4.4	156
1637	High angular resolution Sunyaev-Zel'dovich observations of MACS J1423.8+2404 with NIKA: Multiwavelength analysis. Astronomy and Astrophysics, 2016, 586, A122.	5.1	91
1638	Hi-GAL, the <i>Herschel </i> infrared Galactic Plane Survey: photometric maps and compact source catalogues. Astronomy and Astrophysics, 2016, 591, A149.	5.1	189
1639	Joint signal extraction from galaxy clusters in X-ray and SZ surveys: A matched-filter approach. Astronomy and Astrophysics, 2016, 591, A39.	5.1	9
1640	Semi-blind Bayesian inference of CMB map and power spectrum. Astronomy and Astrophysics, 2016, 588, A113.	5.1	10
1641	DECIPHERING CONTRIBUTIONS TO THE EXTRAGALACTIC GAMMA-RAY BACKGROUND FROM 2 GeV TO 2 TeV. Astrophysical Journal, 2016, 832, 117.	4.5	53
1642	The Effelsberg-Bonn H i Survey: Milky Way gas. Astronomy and Astrophysics, 2016, 585, A41.	5.1	136
1643	A Subdivision Method to Unify the Existing Latitude and Longitude Grids. ISPRS International Journal of Geo-Information, 2016, 5, 161.	2.9	43
1644	Multi-wavelength characterisation of <i>>z</i> ~ 2 clustered, dusty star-forming galaxies discovered by <i>Planck</i> . Astronomy and Astrophysics, 2016, 585, A54.	5.1	27
1645	SKA weak lensing– II. Simulated performance and survey design considerations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3686-3698.	4.4	27
1646	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A132.	5.1	109
1647	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A6.	5.1	62
1648	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A2.	5.1	79
1649	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A8.	5.1	209

#	Article	IF	Citations
1650	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A9.	5.1	182
1651	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A141.	5.1	55
1652	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A100.	5.1	44
1653	Low-energy point source searches with IceCube. EPJ Web of Conferences, 2016, 116, 04004.	0.3	1
1654	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A5.	5.1	55
1655	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A4.	5.1	56
1656	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A21.	5.1	114
1657	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A3.	5.1	53
1658	Unveiling the Dynamics of the Universe. Symmetry, 2016, 8, 70.	2.2	40
1659	New Constraints on Spatial Variations of the Fine Structure Constant from Clusters of Galaxies. Universe, 2016, 2, 34.	2.5	9
1660	Optimization of a spherical active coded mask gamma-ray imager. , 2016, , .		3
1661	Constraining (pseudo)Conformal Universe and anisotropic inflation with Planck data. EPJ Web of Conferences, 2016, 125, 03009.	0.3	0
1662	An alternative validation strategy for the <i>Planck </i> cluster catalogue and <i>y </i> distortion maps. Astronomy and Astrophysics, 2016, 592, A48.	5.1	17
1663	Estimating statistical isotropy violation in CMB due to non-circular beam and complex scan in minutes. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 035-035.	5.4	5
1664	Constraining the local variance of <i>H</i> ₀ from directional analyses. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 036-036.	5.4	16
1665	RAY-RAMSES: a code for ray tracing on the fly in N-body simulations. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 001-001.	5.4	20
1666	Polarization of Cosmic Microwave Background. Journal of Physics: Conference Series, 2016, 689, 012003.	0.4	4
1667	The rHEALPix Discrete Global Grid System. IOP Conference Series: Earth and Environmental Science, 2016, 34, 012012.	0.3	25

#	Article	IF	CITATIONS
1668	Dark matter implications of the WMAP-Planck Haze. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 060-060.	5.4	13
1669	Computing with Functions in Spherical and Polar Geometries I. The Sphere. SIAM Journal of Scientific Computing, 2016, 38, C403-C425.	2.8	34
1670	Local analyses of <i>Planck </i> maps with Minkowski functionals. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1363-1373.	4.4	20
1671	Simulating the large-scale structure of HI intensity maps. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 001-001.	5.4	14
1672	The binned bispectrum estimator: template-based and non-parametric CMB non-Gaussianity searches. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 055-055.	5.4	42
1673	Quaternion DISC-harmonic moments based on healpix sampling for fast 2D colour shape retrieval. , 2016, , .		1
1674	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A16.	5.1	338
1675	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A20.	5.1	1,233
1676	GALAXY PROPERTIES AND UV ESCAPE FRACTIONS DURING THEÂEPOCH OF REIONIZATION: RESULTS FROM THE RENAISSANCE SIMULATIONS. Astrophysical Journal, 2016, 833, 84.	4.5	155
1677	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A101.	5.1	24
1678	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A105.	5.1	47
1679	BICEP2/KECK ARRAY. VII. MATRIX BASED E/B SEPARATION APPLIED TO BICEP2 AND THE KECK ARRAY. Astrophysical Journal, 2016, 825, 66.	4.5	15
1680	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A27.	5.1	535
1681	MAPPING AND SIMULATING SYSTEMATICS DUE TO SPATIALLY VARYING OBSERVING CONDITIONS IN DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 226, 24.	7.7	47
1682	A 14 <i>h</i> ^{â^'3} Gpc ³ study of cosmic homogeneity using BOSS DR12 quasar sample. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 060-060.	5.4	46
1683	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A138.	5.1	270
1684	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A1.	5.1	738
1685	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A3.	5.1	85

#	Article	IF	CITATIONS
1686	Probing the astrophysical origin of high-energy cosmic-ray electrons with Monte Carlo simulation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 025-025.	5.4	4
1687	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A15.	5.1	360
1688	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. Astrophysical Journal, 2016, 830, 129.	4.5	7
1689	Giant lobes of Centaurus A as seen in radio and $\langle i \rangle \hat{l}^3 \langle i \rangle$ -ray images obtained with the $\langle i \rangle$ -Fermi $\langle i \rangle$ -LAT and $\langle i \rangle$ -Planck $\langle i \rangle$ -satellites. Astronomy and Astrophysics, 2016, 595, A29.	5.1	20
1690	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A25.	5.1	153
1691	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A103.	5.1	89
1692	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. Astrophysical Journal, 2016, 817, 3.	4.5	33
1693	Kinematic Sunyaev-Zel'dovich effect with projected fields. II. Prospects, challenges, and comparison with simulations. Physical Review D, 2016, 94, .	4.7	57
1694	AstroSpark. , 2016, , .		9
1695	Cosmic shear measurements with Dark Energy Survey Science Verification data. Physical Review D, 2016, 94, .	4.7	81
1696	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A133.	5.1	173
1697	Triangulum galaxy viewed by <i>Planck </i> . Astronomy and Astrophysics, 2016, 593, A57.	5.1	14
1698	STATISTICAL MEASUREMENT OF THE GAMMA-RAY SOURCE-COUNT DISTRIBUTION AS A FUNCTION OF ENERGY. Astrophysical Journal Letters, 2016, 826, L31.	8.3	35
1699	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A137.	5.1	27
1700	Spherical cows in dark matter indirect detection. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	5.4	15
1701	Angular power spectrum of the diffuse gamma-ray emission as measured by the Fermi Large Area Telescope and constraints on its dark matter interpretation. Physical Review D, 2016, 94, .	4.7	43
1702	THE FINAL SDSS HIGH-REDSHIFT QUASAR SAMPLE OF 52 QUASARS AT zÂ>Â5.7. Astrophysical Journal, 2016, 833, 222.	4.5	225
1703	Strategies for Finding Prompt Radio Counterparts to Gravitational Wave Transients with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	20

#	Article	IF	CITATIONS
1704	Grand Challenges in Protoplanetary Disc Modelling. Publications of the Astronomical Society of Australia, $2016,33,$	3.4	61
1705	Testing cosmological models with large-scale power modulation using microwave background polarization observations. Physical Review D, 2016, 94, .	4.7	2
1706	BEAM-FORMING ERRORS IN MURCHISON WIDEFIELD ARRAY PHASED ARRAY ANTENNAS AND THEIR EFFECTS ON EPOCH OF REIONIZATION SCIENCE. Astrophysical Journal, 2016, 820, 44.	4.5	11
1707	Near-infrared extinction with discretised stellar colours. Astronomy and Astrophysics, 2016, 585, A78.	5.1	8
1708	VISION â^' Vienna survey in Orion. Astronomy and Astrophysics, 2016, 587, A153.	5.1	54
1709	Cosmic microwave background reconstruction from WMAP and <i>Planck </i> PR2 data. Astronomy and Astrophysics, 2016, 591, A50.	5.1	29
1710	The connection between supernova remnants and the Galactic magnetic field: A global radio study of the axisymmetric sample. Astronomy and Astrophysics, 2016, 587, A148.	5.1	31
1711	The Primordial Inflation Explorer (PIXIE). Proceedings of SPIE, 2016, , .	0.8	36
1712	The XMM Cluster Outskirts Project (X-COP): Physical conditions of Abell 2142 up to the virial radius. Astronomy and Astrophysics, 2016, 595, A42.	5.1	51
1713	GammaLib and ctools. Astronomy and Astrophysics, 2016, 593, A1.	5.1	63
1714	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A109.	5.1	185
1715	THE IMPORTANCE OF WIDE-FIELD FOREGROUND REMOVAL FOR 21 cm COSMOLOGY: A DEMONSTRATION WITH EARLY MWA EPOCH OF REIONIZATION OBSERVATIONS. Astrophysical Journal, 2016, 819, 8.	4.5	65
1716	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
1717	Cosmological results from the Planck space mission and their comparison with data from the WMAP and BICEP2 experiments. Physics-Uspekhi, 2016, 59, 3-41.	2.2	16
1718	Trixel Indexer using B-Trees based on a random access file. , 2016, , .		0
1719	An assessment of the direction-finding accuracy of bat biosonar beampatterns. Journal of the Acoustical Society of America, 2016, 139, 569-580.	1.1	3
1720	ESTIMATING DISTANCES FROM PARALLAXES. II. PERFORMANCE OF BAYESIAN DISTANCE ESTIMATORS ON A GAIA-LIKE CATALOGUE. Astrophysical Journal, 2016, 832, 137.	4.5	124
1721	An external calibrator for hydrogen observatories. , 2016, , .		3

#	Article	IF	CITATIONS
1722	Cosmic ray contributions to the WMAP polarization data on the cosmic microwave background. International Journal of Modern Physics D, 2016, 25, 1650029.	2.1	O
1723	Fractality of Isotherms of the Cosmic Microwave Background Based on Data from the Planck Spacecraft. Astrophysics, 2016, 59, 31-37.	0.5	5
1724	Recent results and perspectives on cosmology and fundamental physics from microwave surveys. International Journal of Modern Physics D, 2016, 25, 1630016.	2.1	0
1725	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. Astrophysical Journal, 2016, 823, 30.	4.5	178
1726	A NEW MAXIMUM-LIKELIHOOD TECHNIQUE FOR RECONSTRUCTING COSMIC-RAY ANISOTROPY AT ALL ANGULAR SCALES. Astrophysical Journal, 2016, 823, 10.	4.5	18
1727	CRPropa 3â€"a public astrophysical simulation framework for propagating extraterrestrial ultra-high energy particles. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 038-038.	5.4	181
1728	New constraints on modelling the random magnetic field of the MW. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 056-056.	5.4	50
1729	SYMPIX: A SPHERICAL GRID FOR EFFICIENT SAMPLING OF ROTATIONALLY INVARIANT OPERATORS. Astrophysical Journal, Supplement Series, 2016, 222, 17.	7.7	2
1730	Cross-correlation of gravitational lensing from DES Science Verification data with SPT and <i>Planck </i> lensing. Monthly Notices of the Royal Astronomical Society, 2016, 459, 21-34.	4.4	46
1731	<i>Swift</i> follow-up of the gravitational wave source GW150914. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L40-L44.	3.3	24
1732	INTEGRAL UPPER LIMITS ON GAMMA-RAY EMISSION ASSOCIATED WITH THE GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 820, L36.	8.3	94
1733	Exploring two-spin internal linear combinations for the recovery of the CMB polarization. Monthly Notices of the Royal Astronomical Society, 2016, 459, 441-454.	4.4	10
1734	On the recovery of ISW fluctuations using large-scale structure tracers and CMB temperature and polarization anisotropies. Monthly Notices of the Royal Astronomical Society, 2016, 459, 657-672.	4.4	5
1735	Could multiple voids explain the cosmic microwave background Cold Spot anomaly?. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L71-L75.	3.3	16
1736	DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF FERMI LARGE AREA TELESCOPE DATA. Astrophysical Journal, Supplement Series, 2016, 223, 26.	7.7	313
1737	No Sun-like dynamo on the active star ζ Andromedae from starspot asymmetry. Nature, 2016, 533, 217-220.	27.8	66
1738	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 224, 1.	7.7	233
1739	FREQUENCY MODULATION OF DIRECTLY IMAGED EXOPLANETS: GEOMETRIC EFFECT AS A PROBE OF PLANETARY OBLIQUITY. Astrophysical Journal, 2016, 822, 112.	4.5	28

#	Article	IF	CITATIONS
1740	FERMI-LAT OBSERVATIONS OF THE LIGO EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L2.	8.3	45
1741	Revisiting the NVSS number count dipole. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 062-062.	5.4	72
1742	Sky reconstruction from transit visibilities: PAON-4 and Tianlai dish array. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1950-1966.	4.4	20
1743	Cosmic-Ray Injection from Star-Forming Regions. Physical Review Letters, 2016, 117, 111101.	7.8	27
1744	OBSERVATIONAL CONSTRAINTS ON PLANET NINE: ASTROMETRY OF PLUTO AND OTHER TRANS-NEPTUNIAN OBJECTS. Astronomical Journal, 2016, 152, 80.	4.7	48
1745	Towards a fast background radiation subtraction technique for the Juno mission. , 2016, , .		2
1746	Similarity Voting based Viewpoint Selection for Volumes. Computer Graphics Forum, 2016, 35, 391-400.	3.0	3
1747	Intercalibration of neutral density measurements for mapping the thermosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 5975-5990.	2.4	26
1748	OBSERVATIONAL CONSTRAINTS ON PLANET NINE: CASSINI RANGE OBSERVATIONS. Astronomical Journal, 2016, 152, 94.	4.7	50
1749	Dark matter substructure modelling and sensitivity of the Cherenkov Telescope Array to Galactic dark halos. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 047-047.	5.4	36
1750	A DETECTION OF THE INTEGRATED SACHS–WOLFE IMPRINT OF COSMIC SUPERSTRUCTURES USING A MATCHED-FILTER APPROACH. Astrophysical Journal Letters, 2016, 830, L19.	8.3	50
1751	Simulation of Hard Shadows on Large Spherical Terrains. 3D Research, 2016, 7, 1.	1.8	0
1752	The ISW effect and the lack of large-angle CMB temperature correlations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3305-3310.	4.4	8
1753	Demonstration of Cosmic Microwave Background Delensing Using the Cosmic Infrared Background. Physical Review Letters, 2016, 117, 151102.	7.8	52
1754	Processing of Structurally Heterogeneous Cryo-EM Data in RELION. Methods in Enzymology, 2016, 579, 125-157.	1.0	502
1755	FOREGROUND BIAS FROM PARAMETRIC MODELS OF FAR-IR DUST EMISSION. Astrophysical Journal, 2016, 826, 101.	4.5	10
1756	ANISOTROPY IN COSMIC-RAY ARRIVAL DIRECTIONS IN THE SOUTHERN HEMISPHERE BASED ON SIX YEARS OF DATA FROM THE ICECUBE DETECTOR. Astrophysical Journal, 2016, 826, 220.	4.5	72
1757	Reconstruction of missing data using iterative harmonic expansion. Monthly Notices of the Royal Astronomical Society, 2016, 462, 588-600.	4.4	1

#	Article	IF	CITATIONS
1758	J-GEM follow-up observations to search for an optical counterpart of the first gravitational wave source GW150914. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	28
1759	UNVEILING THE GAMMA-RAY SOURCE COUNT DISTRIBUTION BELOW THE FERMI DETECTION LIMIT WITH PHOTON STATISTICS. Astrophysical Journal, Supplement Series, 2016, 225, 18.	7.7	38
1760	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. Astrophysical Journal Letters, 2016, 826, L29.	8.3	38
1761	Galaxy clusters as probes for cosmology and dark matter. International Journal of Modern Physics D, 2016, 25, 1630023.	2.1	5
1762	Hard X-ray luminosity function of tidal disruption events: First results from the MAXI extragalactic survey. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	14
1763	A framework for testing isotropy with the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1802-1811.	4.4	13
1764	Cosmic troublemakers: the Cold Spot, the Eridanus supervoid, and the Great Walls. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1882-1893.	4.4	33
1765	A new model of the microwave polarized sky for CMB experiments. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2063-2073.	4.4	10
1766	Kinematic Sunyaev-Zel'dovich Effect with Projected Fields: A Novel Probe of the Baryon Distribution with Planck, WMAP, and WISE Data. Physical Review Letters, 2016, 117, 051301.	7.8	110
1767	A GLOBAL ASTROMETRIC SOLUTION FOR PAN-STARRS REFERENCED TO ICRF2. Astronomical Journal, 2016, 152, 53.	4.7	10
1768	MEASUREMENT OF THE INTEGRATED SACHS–WOLFE EFFECT USING THE ALLWISE DATA RELEASE. Astrophysical Journal, 2016, 827, 116.	4.5	20
1769	Using the 2-MASS photometric redshift survey to optimize LIGO follow-up observations. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1085-1091.	4.4	6
1770	<i>Swift</i> follow-up of gravitational wave triggers: results from the first aLIGO run and optimization for the future. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1591-1602.	4.4	36
1771	A new method for testing isotropy with Shannon entropy. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1630-1641.	4.4	9
1772	CMB anomalies after Planck. Classical and Quantum Gravity, 2016, 33, 184001.	4.0	232
1773	Prospects for joint observations of gravitational waves and gamma rays from merging neutron star binaries. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 056-056.	5.4	23
1774	Orientation sampling for dictionary-based diffraction pattern indexing methods. Modelling and Simulation in Materials Science and Engineering, 2016, 24, 085013.	2.0	40
1775	CO-dark gas and molecular filaments in Milky Way-type galaxies – II. The temperature distribution of the gas. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3011-3025.	4.4	35

#	Article	IF	CITATIONS
1776	The comptonization parameter from simulations of single-frequency, single-dish, dual-beam, cm-wave observations of galaxy clusters and mitigating CMB confusion using the Planck sky survey. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 049-049.	5.4	1
1777	Needlet estimation of cross-correlation between CMB lensing maps and LSS. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 050-050.	5.4	2
1778	Vector antenna and maximum likelihood imaging for radio astronomy. , 2016, , .		8
1779	HF Vector Sensor for Radio Astronomy: Ground Testing Results. , 2016, , .		3
1780	PROBABILISTIC CROSS-IDENTIFICATION IN CROWDED FIELDS AS AN ASSIGNMENT PROBLEM. Astronomical Journal, 2016, 152, 86.	4.7	8
1781	Isotropy-violation diagnostics for (i>B-mode polarization foregrounds to the Cosmic Microwave Background. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 034-034.	5.4	6
1782	How Isotropic is the Universe?. Physical Review Letters, 2016, 117, 131302.	7.8	105
1783	Comparing Dark Energy Survey and ⟨i⟩HST⟨ i⟩–CLASH observations of the galaxy cluster RXC J2248.7â⁻⁴4431: implications for stellar mass versus dark matter. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1486-1499.	4.4	12
1784	Wavelet-based techniques for the gamma-ray sky. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 045-045.	5.4	13
1785	A BAYESIAN ESTIMATE OF THE CMB–LARGE-SCALE STRUCTURE CROSS-CORRELATION. Astrophysical Journal, 2016, 826, 121.	4. 5	5
1786	Comparison of the Galactic coordinate frames realized by the PPMXL and UCAC4 catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2410-2425.	4.4	2
1787	DEMNUni: ISW, Rees-Sciama, and weak-lensing in the presence of massive neutrinos. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 034-034.	5.4	55
1788	Impact of Galactic magnetic field modeling on searches of point sources via ultrahigh energy cosmic ray-neutrino correlations. Physical Review D, 2016, 93, .	4.7	5
1789	Large-scale anomalies in the cosmic microwave background as signatures of non-Gaussianity. Physical Review D, 2016, 93, .	4.7	30
1790	Rapid Bayesian position reconstruction for gravitational-wave transients. Physical Review D, 2016, 93, .	4.7	249
1791	Expansion-maximization-compression algorithm with spherical harmonics for single particle imaging with x-ray lasers. Physical Review E, 2016, 93, 053302.	2.1	6
1792	Evidence for Unresolved mml = "http://www.w3.org/1998/Math/MathML" display="inline"> <math>\hat{I}^3</math> /mml:math>-Ray Point Sources">mml:mi>\hat{I}^3 -Ray Point Sources">mml:mi>\hat{I}^3 -Ray Point Sources">mml:math>-Ray Point Sources in the Inner Galaxy. Physical Review Letters, 2016, 116, 051103.	7.8	208
1793	Resolving the Extragalactic <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>13</mml:mi></mml:math> -Ray Background above 50ÂGeV with the Fermi Large Area Telescope. Physical Review Letters, 2016, 116, 151105.	7.8	130

#	Article	IF	CITATIONS
1794	Probing the statistical properties of CMB <i>B</i> Iournal of Cosmology and Astroparticle Physics, 2016, 2016, 029-029.	5.4	15
1795	SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914―(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
1796	Measurement of the high-energy gamma-ray emission from the Moon with the Fermi Large Area Telescope. Physical Review D, 2016, 93, 082001.	4.7	20
1797	<pre><mml:math xmins:mml="http://www.w3.org/1998/Math/Math/Math/Math/Math/Math/Math/Math</td"><td>T₫.∜stretc</td><td>hy5"false"></td></mml:math></pre>	T ₫.∜ stretc	h y5 "false">
1798	cluster compatible with Planck data. Physical Review D, 2016, 93, RECOVERY OF LARGE ANGULAR SCALE CMB POLARIZATION FOR INSTRUMENTS EMPLOYING VARIABLE-DELAY POLARIZATION MODULATORS. Astrophysical Journal, 2016, 818, 151.	4.5	19
1799	OPTIMIZED BEAM SCULPTING WITH GENERALIZED FRINGE-RATE FILTERS. Astrophysical Journal, 2016, 820, 51.	4.5	27
1800	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. Astrophysical Journal, 2016, 825, 114.	4.5	67
1801	Spin-SILC: CMB polarization component separation with spin wavelets. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2310-2322.	4.4	13
1802	The nuclear window to the extragalactic universe. Astroparticle Physics, 2016, 85, 54-64.	4.3	17
1803	Imaging cosmic polarization rotation. International Journal of Modern Physics D, 2016, 25, 1640014.	2.1	4
1804	Forecasting performance of CMB experiments in the presence of complex foreground contaminations. Physical Review D, $2016, 94, .$	4.7	35
1805	The DES Science Verification weak lensing shear catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2245-2281.	4.4	137
1806	Towards <i>ab initio</i> extremely metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3354-3364.	4.4	16
1807	High-frequency asymptotics for Lipschitz–Killing curvatures of excursion sets on the sphere. Annals of Applied Probability, 2016, 26, .	1.3	15
1808	Integrated approach to cosmology: Combining CMB, large-scale structure, and weak lensing. Physical Review D, 2016, 94, .	4.7	29
1809	Circular polarization of the CMB: Foregrounds and detection prospects. Physical Review D, 2016, 94, .	4.7	24
1810	Constraining spatial variations of the fine structure constant using clusters of galaxies and Planck data. Physical Review D, 2016, 94, .	4.7	18
1811	Reconstructing the integrated Sachs-Wolfe map with galaxy surveys. Physical Review D, 2016, 94, .	4.7	12

#	Article	IF	CITATIONS
1812	Testing cosmology with a catalogue of voids in the BOSS galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2016, 461, 358-370.	4.4	38
1813	SZ/X-ray scaling relations using X-ray data and <i>Planck </i> Nominal maps. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3222-3232.	4.4	8
1814	Joint measurement of lensing–galaxy correlations using SPT and DES SV data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4099-4114.	4.4	50
1815	Thermal SZ fluctuations in the ICM: probing turbulence and thermodynamics in Coma cluster with <i>Planck</i> . Monthly Notices of the Royal Astronomical Society, 2016, 463, 655-669.	4.4	66
1816	Robust likelihoods for inflationary gravitational waves from maps of cosmic microwave background polarization. Physical Review D, 2016, 94, .	4.7	1
1817	Robust forecasts on fundamental physics from the foreground-obscured, gravitationally-lensed CMB polarization. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 052-052.	5.4	126
1818	Improved cosmic-ray injection models and the Galactic Center gamma-ray excess. Physical Review D, 2016, 94, .	4.7	39
1819	Statistical isotropy violation in WMAP CMB maps resulting from non-circular beams. Astronomy and Astrophysics, 2016, 591, A97.	5.1	9
1820	Sky reconstruction for the Tianlai cylinder array. Research in Astronomy and Astrophysics, 2016, 16, 158.	1.7	16
1821	Angular distribution of cosmological parameters as a probe of inhomogeneities: a kinematic parametrisation. Astronomy and Astrophysics, 2016, 592, A152.	5.1	9
1822	THE HYDRODYNAMIC FEEDBACK OF COSMIC REIONIZATION ON SMALL-SCALE STRUCTURES AND ITS IMPACT ON PHOTON CONSUMPTION DURING THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 831, 86.	4.5	33
1823	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A22.	5.1	274
1824	Lensing bias to CMB measurements of compensated isocurvature perturbations. Physical Review D, 2016, 94, .	4.7	13
1825	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A102.	5.1	25
1826	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A104.	5.1	36
1827	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A110.	5.1	64
1828	QUANTIFYING THE INTERSTELLAR MEDIUM AND COSMIC RAYS IN THE MBM 53, 54, AND 55 MOLECULAR CLOUDS AND THE PEGASUS LOOP USING FERMI-LAT GAMMA-RAY OBSERVATIONS. Astrophysical Journal, 2016, 833, 278.	4.5	10
1829	The calibration of PIXIE. Proceedings of SPIE, 2016, , .	0.8	0

#	Article	IF	CITATIONS
1830	Holographic beam mapping of the CHIME pathfinder array. Proceedings of SPIE, 2016, , .	0.8	16
1831	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A135.	5.1	109
1832	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 586, A136.	5.1	72
1833	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A26.	5.1	182
1834	Sources of the RCR catalog with normal and flat spectra according to data from the Planck microwave survey. Astronomy Reports, 2016, 60, 630-654.	0.9	14
1835	AQUAdexIM: highly efficient in-memory indexing and querying of astronomy time series images. Experimental Astronomy, 2016, 42, 387-405.	3.7	8
1836	Impact of beam deconvolution on noise properties in CMB measurements: Application to <i>Planck</i> LFI. Astronomy and Astrophysics, 2016, 587, A27.	5.1	2
1837	Excess Bâ€modes extracted from the <i>Planck</i> polarization maps. Astronomische Nachrichten, 2016, 337, 662-671.	1.2	1
1838	DYNAMICAL CONSIDERATIONS FOR LIFE IN MULTI-HABITABLE PLANETARY SYSTEMS. Astrophysical Journal, 2016, 816, 97.	4.5	25
1839	Multi-Assignment Single Joins for Parallel Cross-Match of Astronomic Catalogs on Heterogeneous Clusters. , 2016, , .		9
1840	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2016, 596, A107.	5.1	359
1841	Cygrid: A fast Cython-powered convolution-based gridding module for Python. Astronomy and Astrophysics, 2016, 591, A12.	5.1	18
1842	Topology aware view path design for time-varying volume data. Journal of Visualization, 2016, 19, 797-809.	1.8	2
1843	Weak lensing by galaxy troughs in DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3367-3380.	4.4	71
1844	Galaxy clustering, photometric redshifts and diagnosis of systematics in the DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4301-4324.	4.4	77
1845	Bright stars observed by FIMS/SPEAR. Monthly Notices of the Royal Astronomical Society, 2016, 456, 417-430.	4.4	3
1846	No galaxy left behind: accurate measurements with the faintest objects in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2016, 457, 786-808.	4.4	71
1847	Imprint of inhomogeneous and anisotropic primordial power spectrum on CMB polarization. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1577-1587.	4.4	11

#	Article	IF	CITATIONS
1848	Supernova blast waves in wind-blown bubbles, turbulent, and power-law ambient media. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2962-2978.	4.4	58
1849	SILC: a new <i>Planck</i> internal linear combination CMB temperature map using directional wavelets. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3014-3028.	4.4	13
1850	Zooming in on accretion $\hat{a}\in$ 1. The structure of halo gas. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2881-2904.	4.4	80
1851	What physics determines the peak of the IMF? Insights from the structure of cores in radiation-magnetohydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3272-3283.	4.4	40
1852	Constraining gravity at the largest scales through CMB lensing and galaxy velocities. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4098-4108.	4.4	53
1853	Detailed study of the microwave emission of the supernova remnant 3C 396. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4224-4232.	4.4	14
1854	Halo detection via large-scale Bayesian inference. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1340-1355.	4.4	0
1855	Reconstruction of CMB temperature anisotropies with primordial CMB induced polarization in galaxy clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L104-L108.	3.3	8
1856	The first MAXI/SSC catalog of X-ray sources in 0.7–7.0 keV. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	6
1857	Low-resolution reconstruction of intensity functions on the sphere for single-particle diffraction imaging. , 2016, , .		1
1858	Direction dependence of cosmological parameters due to cosmic hemispherical asymmetry. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 042-042.	5.4	14
1859	Polycomp: Efficient and configurable compression of astronomical timelines. Astronomy and Computing, 2016, 16, 88-98.	1.7	3
1860	Pre-inflationary relics in the CMB?. Physics of the Dark Universe, 2016, 11, 68-73.	4.9	35
1861	Production of secondary particles and nuclei in cosmic rays collisions with the interstellar gas using the FLUKA code. Astroparticle Physics, 2016, 81, 21-38.	4.3	27
1862	Radiation hydrodynamics using characteristics on adaptive decomposed domains for massively parallel star formation simulations. New Astronomy, 2016, 43, 49-69.	1.8	16
1863	Preferred axis of CMB parity asymmetry in the masked maps. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 445-453.	4.1	11
1864	Single-step collision-free trajectory planning of biped climbing robots in spatial trusses. Robotics and Biomimetics, 2016, 3, 1.	1.7	17
1865	Spatiotemporal representation of 3D skeleton joints-based action recognition using modified spherical harmonics. Pattern Recognition Letters, 2016, 83, 32-41.	4.2	26

#	Article	IF	CITATIONS
1866	A new polarization amplitude bias reduction method. Monthly Notices of the Royal Astronomical Society, 2016, 461, 698-709.	4.4	12
1867	Optimization of the Swift X-ray follow-up of Advanced LIGO and Virgo gravitational wave triggers in 2015–16. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1522-1537.	4.4	32
1868	SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 12: galaxy target selection and large-scale structure catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1553-1573.	4.4	335
1869	On the nature of star-forming filaments – II. Subfilaments and velocities. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3640-3655.	4.4	96
1870	Abundance anomalies in metal-poor stars from Population III supernova ejecta hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1410-1423.	4.4	22
1871	Cross-correlation cosmic shear with the SDSS and VLA FIRST surveys. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3100-3118.	4.4	21
1872	Searching for Faraday rotation in cosmic microwave background polarization. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3089-3099.	4.4	1
1873	Galaxy clustering with photometric surveys using PDF redshift information. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1293-1309.	4.4	14
1874	Forming supermassive black hole seeds under the influence of a nearby anisotropic multifrequency source. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3377-3394.	4.4	28
1875	Recovering the tidal field in the projected galaxy distribution. Monthly Notices of the Royal Astronomical Society, 2016, 460, 256-272.	4.4	7
1876	The MAXI/GSC Nova-Alert System and results of its first 68 months. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	40
1877	Parametrizations of the 21-cm global signal and parameter estimation from single-dipole experiments. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3829-3840.	4.4	28
1878	The significance of anisotropic signals hiding in the Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 460, 617-626.	4.4	43
1879	Smoothing methods comparison for CMB $<$ i>E $<$ /i>- and $<$ i>B $<$ /i>- mode separation. Research in Astronomy and Astrophysics, 2016, 16, 007.	1.7	3
1880	Dipole modulation of cosmic microwave background temperature and polarization. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 046-046.	5.4	14
1881	SPECTRAL VARIATIONS OF THE SKY: CONSTRAINTS ON ALTERNATE UNIVERSES. Astrophysical Journal, 2016, 817, 33.	4.5	1
1882	HYDRODYNAMIC MOVING-MESH SIMULATIONS OF THE COMMON ENVELOPE PHASE IN BINARY STELLAR SYSTEMS. Astrophysical Journal Letters, 2016, 816, L9.	8.3	123
1883	Clustering and bias measurements of SDSS voids. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4425-4431.	4.4	28

#	Article	IF	CITATIONS
1884	Supervoids in the WISE–2MASS catalogue imprinting cold spots in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1246-1256.	4.4	31
1885	COSMOLOGICAL PARAMETERS FROM CMB MAPS WITHOUT LIKELIHOOD APPROXIMATION. Astrophysical Journal, 2016, 820, 31.	4.5	8
1886	The bandmerged i> Planck / i> Early Release Compact Source Catalogue: probing sub-structure in the molecular gas at high Galactic latitude. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3619-3632.	4.4	4
1887	SEARCH FOR GAMMA-RAY EMISSION FROM THE COMA CLUSTER WITH SIX YEARS OF FERMI-LAT DATA. Astrophysical Journal, 2016, 819, 149.	4.5	88
1888	Probing star formation in the dense environments of z $\hat{a}^{1/4}$ 1 lensing haloes aligned with dusty star-forming galaxies detected with the South Pole Telescope. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1629-1646.	4.4	15
1889	Extracting H i cosmological signal with generalized needlet internal linear combination. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2749-2765.	4.4	45
1890	Sensitivity and foreground modelling for large-scale cosmic microwave background B-mode polarization satellite missions. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2032-2050.	4.4	66
1891	The Gaia Attitude Star Catalog. Astronomy and Computing, 2016, 15, 29-32.	1.7	2
1892	Cosmological birefringence constraints from the Planck 2015 CMB likelihood. International Journal of Modern Physics D, 2016, 25, 1640007.	2.1	3
1893	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. Astrophysical Journal, 2016, 818, 130.	4.5	182
1894	Large scale CMB anomalies from thawing cosmic strings. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 033-033.	5 . 4	18
1895	ctumpy: Jeans analysis, <mml:math altimg="si5.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>i³</mml:mi></mml:math> -ray and <mml:math altimg="si59.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>i¹/2</mml:mi> <mml:mi>i\delta /mml:mi> /mml:mi>i\delta /mml:mi> /m</mml:mi></mml:math>	7.5	48
1896	Defining the frame of minimum non-linear Hubble expansion variation. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3285-3305.	4.4	15
1897	FERMI-LAT OBSERVATIONS OF HIGH-ENERGY Î ³ -RAY EMISSION TOWARD THE GALACTIC CENTER. Astrophysical Journal, 2016, 819, 44.	4.5	301
1898	A nonlinear manifold-based reduced order model for multiscale analysis of heterogeneous hyperelastic materials. Journal of Computational Physics, 2016, 313, 635-653.	3.8	58
1899	Footprints of Loop I on Cosmic Microwave Background maps. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 023-023.	5.4	5
1900	Updated measurements of the dark matter halo masses of obscured quasars with improved <i>WISE </i> and <i> Planck </i> data. Monthly Notices of the Royal Astronomical Society, 2016, 456, 924-942.	4.4	29
1901	Unbiased methods for removing systematics from galaxy clustering measurements. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2095-2104.	4.4	28

#	Article	IF	CITATIONS
1902	Averaged ratio between complementary profiles for evaluating shape distortions of map projections and spherical hierarchical tessellations. Computers and Geosciences, 2016, 87, 41-55.	4.2	8
1903	CMB lensing tomography with the DES Science Verification galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3213-3244.	4.4	95
1904	Automated Geocoding of Textual Documents: A Survey of Current Approaches. Transactions in GIS, 2017, 21, 3-38.	2.3	68
1905	CROSS-CORRELATING THE Î ³ -RAY SKY WITH CATALOGS OF GALAXY CLUSTERS. Astrophysical Journal, Supplement Series, 2017, 228, 8.	7.7	26
1906	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. Astronomical Journal, 2017, 153, 75.	4.7	380
1907	Statistical imprints of CMB <i>B</i> -type polarization leakage in an incomplete sky survey analysis. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 043-043.	5.4	4
1908	THE FORMATION OF SECONDARY STELLAR GENERATIONS IN MASSIVE YOUNG STAR CLUSTERS FROM RAPIDLY COOLING SHOCKED STELLAR WINDS. Astrophysical Journal, 2017, 835, 60.	4.5	35
1909	Tail behavior of Mexican needlets. Journal of Mathematical Analysis and Applications, 2017, 447, 716-735.	1.0	4
1910	Optimal scan strategies for future CMB satellite experiments. Monthly Notices of the Royal Astronomical Society, 2017, 466, 425-442.	4.4	17
1911	HIDE & amp; SEEK: End-to-end packages to simulate and process radio survey data. Astronomy and Computing, 2017, 18, 8-17.	1.7	18
1912	Visualization of Multi-mission Astronomical Data with ESASky. Publications of the Astronomical Society of the Pacific, 2017, 129, 028001.	3.1	18
1913	Measuring the velocity field from type la supernovae in an LSST-like sky survey. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 060-060.	5.4	5
1914	A NEW LOOK AT THE INTEGRATED RADIO/MICROWAVE CONTINUUM SPECTRUM OF GALACTIC SUPERNOVA REMNANT IC 443. Astronomical Journal, 2017, 153, 32.	4.7	4
1915	GaLactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey – I. A low-frequency extragalactic catalogue. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1146-1167.	4.4	402
1916	HARMONIC SPACE ANALYSIS OF PULSAR TIMING ARRAY REDSHIFT MAPS. Astrophysical Journal, 2017, 835, 21.	4.5	12
1917	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITORÂAND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	4.5	32
1918	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. Astrophysical Journal, 2017, 835, 151.	4.5	198
1919	Comparison of XPM and UCAC4 catalogues in the galactic coordinate system. Astronomische Nachrichten, 2017, 338, 489-502.	1.2	3

#	Article	IF	CITATIONS
1920	Void Profile from Planck Lensing Potential Map. Astrophysical Journal, 2017, 836, 156.	4.5	17
1921	Multiscale analysis of the CMB temperature derivatives. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	5.4	4
1922	Detection prospects for high energy neutrino sources from the anisotropic matter distribution in the local Universe. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 011-011.	5.4	16
1923	Reconsidering seismological constraints on the available parameter space of macroscopic dark matter. Physical Review D, 2017, 95, .	4.7	6
1924	Dictionary Indexing of Electron Channeling Patterns. Microscopy and Microanalysis, 2017, 23, 1-10.	0.4	42
1925	Search for Cosmic-Ray Electron and Positron Anisotropies with Seven Years of Fermi Large Area Telescope Data. Physical Review Letters, 2017, 118, 091103.	7.8	38
1926	<i> $<$ C $<$ sup>3, A Command-line Catalog Cross-match Tool for Large Astrophysical Catalogs. Publications of the Astronomical Society of the Pacific, 2017, 129, 024005.	3.1	18
1927	Constructing stable 3D hydrodynamical models of giant stars. Astronomy and Astrophysics, 2017, 599, A5.	5.1	46
1928	Anisotropy in the all-sky distribution of galaxy morphological types. Astronomy and Astrophysics, 2017, 597, A120.	5.1	36
1929	SEARCHING FOR PLANET NINE WITH COADDED WISE AND NEOWISE-REACTIVATION IMAGES. Astronomical Journal, 2017, 153, 65.	4.7	40
1930	WÄhi, a discrete global grid gazetteer built using linked open data. International Journal of Digital Earth, 2017, 10, 490-503.	3.9	17
1931	Planck Lensing and Cosmic Infrared Background Cross-correlation with Fermi-LAT: Tracing Dark Matter Signals in the Gamma-Ray Background. Astrophysical Journal, 2017, 836, 127.	4.5	12
1932	On the regularity of the covariance matrix of a discretized scalar field on the sphere. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022.	5.4	3
1933	Cosmic-ray Induced Destruction of CO in Star-forming Galaxies. Astrophysical Journal, 2017, 839, 90.	4.5	92
1934	Dynamic topography and eustasy controlled the paleogeographic evolution of northern Africa since the midâ€Cretaceous. Tectonics, 2017, 36, 929-944.	2.8	28
1935	Fermi Bubble Edges: Spectrum and Diffusion Function. Astrophysical Journal, 2017, 840, 7.	4.5	14
1936	Analysis of the Amplitude of the Sunyaev–Zel'dovich Effect out to Redshift zÂ=Â0.8. Astrophysical Journal, 2017, 840, 62.	4.5	5
1937	The Fermi Galactic Center GeV Excess and Implications for Dark Matter. Astrophysical Journal, 2017, 840, 43.	4.5	264

#	Article	IF	CITATIONS
1938	Modeling the Radio Foreground for Detection of CMB Spectral Distortions from theÂCosmic Dawn and theÂEpoch of Reionization. Astrophysical Journal, 2017, 840, 33.	4.5	30
1939	Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 465, 746-759.	4.4	86
1940	Sparse Image Reconstruction on the Sphere: Analysis and Synthesis. IEEE Transactions on Image Processing, 2017, 26, 5176-5187.	9.8	11
1941	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. Astrophysical Journal, 2017, 842, 85.	4.5	28
1942	NPTFit: A Code Package for Non-Poissonian Template Fitting. Astronomical Journal, 2017, 153, 253.	4.7	27
1943	<i>Planck </i> intermediate results. Astronomy and Astrophysics, 2017, 599, A51.	5.1	46
1944	On the universality of MOG weak field approximation at galaxy cluster scale. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 440-444.	4.1	20
1945	Splashback Shells of Cold Dark Matter Halos. Astrophysical Journal, 2017, 841, 34.	4.5	67
1946	Searching for High-energy Gamma-ray Counterparts to Gravitational-wave Sources with Fermi-LAT: A Needle in a Haystack. Astrophysical Journal Letters, 2017, 841, L16.	8.3	3
1947	First look at Jupiter's synchrotron emission from Juno's perspective. Geophysical Research Letters, 2017, 44, 8676-8684.	4.0	10
1948	Monopole and dipole estimation for multi-frequency sky maps by linear regression. Astronomy and Astrophysics, 2017, 597, A131.	5.1	16
1949	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. Astrophysical Journal, 2017, 841, 100.	4.5	39
1950	Local properties of the large-scale peaks of the CMB temperature. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 023-023.	5.4	3
1951	Tensor Minkowski Functionals: first application to the CMB. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 023-023.	5.4	22
1952	Area preserving maps and volume preserving maps between a class of polyhedrons and a sphere. Advances in Computational Mathematics, 2017, 43, 677-697.	1.6	2
1953	Knowing the unknowns: uncertainties in simple estimators of galactic dynamical masses. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2335-2360.	4.4	54
1954	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	5.4	14
1955	Improved Diffuse Foreground Subtraction with the ILC Method: CMB Map and Angular Power Spectrum Using Planck and WMAP Observations. Astrophysical Journal, 2017, 842, 62.	4.5	12

#	Article	IF	Citations
1956	H i, CO, and Dust in the Perseus Cloud. Astrophysical Journal, 2017, 838, 132.	4.5	31
1957	One-point fluctuation analysis of the high-energy neutrino sky. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 057-057.	5.4	20
1958	Geographic and Annual Influences on Optical Follow-up of Gravitational Wave Events. Astrophysical Journal, 2017, 838, 46.	4.5	3
1959	Model-independent analyses of non-Gaussianity in Planck CMB maps using Minkowski functionals. Classical and Quantum Gravity, 2017, 34, 094002.	4.0	30
1960	Detection methods for stochastic gravitational-wave backgrounds: a unified treatment. Living Reviews in Relativity, 2017, 20, 2.	26.7	296
1961	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 599, A32.	5.1	47
1962	An improved model of diffuse galactic radio emission from 10ÂMHz to 5ÂTHz. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3486-3497.	4.4	130
1963	Rapid formation of massive black holes in close proximity to embryonic protogalaxies. Nature Astronomy, 2017, 1, .	10.1	86
1964	Spherepix: A Data Structure for Spherical Image Processing. IEEE Robotics and Automation Letters, 2017, 2, 483-490.	5.1	10
1965	IMAGING PARITY-VIOLATING MODES IN THE CMB. Astronomical Journal, 2017, 153, 41.	4.7	1
1966	An effective spherical panoramic LoD model for a mobile street view service. Transactions in GIS, 2017, 21, 897-915.	2.3	3
1967	KiDS-450: cosmological parameter constraints from tomographic weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1454-1498.	4.4	756
1968	Indoor Scene Reconstruction Using Near-Light Photometric Stereo. IEEE Transactions on Image Processing, 2017, 26, 1089-1101.	9.8	13
1969	Cosmology from large-scale galaxy clustering and galaxy–galaxy lensing with Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4045-4062.	4.4	48
1970	QUIJOTE scientific results – II. Polarisation measurements of the microwave emission in the Galactic molecular complexes W43 and W47 and supernova remnant W44. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4107-4132.	4.4	51
1971	Chemistry and radiative shielding in star-forming galactic discs. Monthly Notices of the Royal Astronomical Society, 2017, 465, 885-905.	4.4	44
1972	Hybrid Adaptive Ray-Moment Method (HARM2): A highly parallel method for radiation hydrodynamics on adaptive grids. Journal of Computational Physics, 2017, 330, 924-942.	3.8	34
1973	A Measurement of the Cosmic Microwave Background B-mode Polarization Power Spectrum at Subdegree Scales from Two Years of polarbear Data. Astrophysical Journal, 2017, 848, 121.	4.5	83

#	Article	IF	CITATIONS
1974	GMOSS: ALL-SKY MODEL OF SPECTRAL RADIO BRIGHTNESS BASED ON PHYSICAL COMPONENTS AND ASSOCIATED RADIATIVE PROCESSES. Astronomical Journal, 2017, 153, 26.	4.7	29
1975	PHOTOMETRIC SELECTION OF A MASSIVE GALAXY CATALOG WITH zÂ≥Â0.55. Astronomical Journal, 2017, 15 58.	34.7	O
1976	Polarization in Monte Carlo radiative transfer and dust scattering polarization signatures of spiral galaxies. Astronomy and Astrophysics, 2017, 601, A92.	5.1	25
1977	Constraining Polarized Foregrounds for EoR Experiments. II. Polarization Leakage Simulations in the Avoidance Scheme. Astrophysical Journal, 2017, 848, 47.	4.5	18
1978	INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817. Astrophysical Journal Letters, 2017, 848, L15.	8.3	647
1979	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	8.3	2,314
1980	A sharper view of Pal 5's tails: discovery of stream perturbations with a novel non-parametric technique. Monthly Notices of the Royal Astronomical Society, 2017, 470, 60-84.	4.4	82
1981	Stellar inventory of the solar neighbourhood using Gaia DR1. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1360-1387.	4.4	103
1982	PLATO <i>as it is</i> : A legacy mission for Galactic archaeology. Astronomische Nachrichten, 2017, 338, 644-661.	1.2	61
1983	Measuring galaxy cluster masses with CMB lensing using a Maximum Likelihood estimator: statistical and systematic error budgets for future experiments. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 030-030.	5.4	23
1984	Robust covariance estimation of galaxy–galaxy weak lensing: validation and limitation of jackknife covariance. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3476-3496.	4.4	38
1985	Connectome-scale functional intrinsic connectivity networks in macaques. Neuroscience, 2017, 364, 1-14.	2.3	16
1986	Pure <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> polarization maps via Wiener filtering. Physical Review D, 2017, 96, .	4.7	12
1987	Where and When: Optimal Scheduling of the Electromagnetic Follow-up of Gravitational-wave Events Based on Counterpart Light-curve Models. Astrophysical Journal, 2017, 846, 62.	4.5	28
1988	Measurement of CIB power spectra over large sky areas from <i>Planck </i> HFI maps. Monthly Notices of the Royal Astronomical Society, 2017, 466, 286-319.	4.4	31
1989	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A52.	5.1	5
1990	Modeling of giant radio galaxy distribution over the sphere in the millimeter-wavelength range. Astrophysical Bulletin, 2017, 72, 217-223.	1.3	4
1991	The Formation of Rapidly Rotating Black Holes in High-mass X-Ray Binaries. Astrophysical Journal Letters, 2017, 846, L15.	8.3	25

#	Article	IF	CITATIONS
1992	High-energy Gamma Rays from the Milky Way: Three-dimensional Spatial Models for the Cosmic-Ray and Radiation Field Densities in the Interstellar Medium. Astrophysical Journal, 2017, 846, 67.	4.5	85
1993	An introduction to the Planck mission. Contemporary Physics, 2017, 58, 331-348.	1.8	1
1994	INTEGRAL Observations of GW170104. Astrophysical Journal Letters, 2017, 846, L23.	8.3	12
1995	Open high-level data formats and software for gamma-ray astronomy. AIP Conference Proceedings, 2017, , .	0.4	7
1996	Diffuse Cosmic Rays Shining in the Galactic Center: A Novel Interpretation of H.E.S.S. and Fermi-LAT <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>î³</mml:mi></mml:math> -Ray Data. Physical Review Letters, 2017, 119, 031101.	7.8	51
1997	Galaxy–galaxy lensing in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4204-4218.	4.4	40
1998	<pre><mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi<math>^3</mml:mi<math></mml:math> -ray Constraints on Decaying Dark Matter and Implications for IceCube. Physical Review Letters, 2017, 119, 021102.</pre>	7.8	109
1999	A multi-resolution HEALPix data structure for spherically mapped point data. Heliyon, 2017, 3, e00332.	3.2	3
2000	On Minkowski Functionals of CMB polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 67-73.	4.1	14
2001	First Demonstration of ECHO: an External Calibrator for Hydrogen Observatories. Publications of the Astronomical Society of the Pacific, 2017, 129, 035002.	3.1	19
2002	Determining the population properties of spinning black holes. Physical Review D, 2017, 96, .	4.7	130
2003	A search for cyclical sources of \hat{I}^3 -ray emission on the period range from days to years in the Fermi-LAT sky. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3036-3042.	4.4	39
2004	Maximizing survey volume for large-area multi-epoch surveys with Voronoi tessellation. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1026-1035.	4.4	1
2005	A Far-ultraviolet Fluorescent Molecular Hydrogen Emission Map of the Milky Way Galaxy. Astrophysical Journal, Supplement Series, 2017, 231, 21.	7.7	16
2006	Faster catalog matching on Graphics Processing Units. Astronomy and Computing, 2017, 20, 155-159.	1.7	2
2007	Bandpass mismatch error for satellite CMB experiments I: estimating the spurious signal. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 015-015.	5.4	12
2008	Analyzing the cosmic variance limit of remote dipole measurements of the cosmic microwave background using the large-scale kinetic Sunyaev Zel'dovich effect. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 040-040.	5.4	24
2009	Testing physical models for dipolar asymmetry: From temperature to <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow></mml:mrow>k</mml:math> space to lensing. Physical Review D. 2017. 95	4.7	14

#	Article	IF	Citations
2010	Properties of the Tycho-2 catalogue from Gaia data release. Astronomy Letters, 2017, 43, 730-750.	1.0	6
2011	General relativistic corrections to the weak lensing convergence power spectrum. Physical Review D, 2017, 96, .	4.7	19
2012	New probe of magnetic fields in the pre-reionization epoch. II. Detectability. Physical Review D, 2017, 95,	4.7	9
2013	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
2014	The local nanohertz gravitational-wave landscape from supermassive black hole binaries. Nature Astronomy, 2017, 1, 886-892.	10.1	99
2015	The Application of the Montage Image Mosaic Engine to the Visualization of Astronomical Images. Publications of the Astronomical Society of the Pacific, 2017, 129, 058006.	3.1	30
2016	Simulated forecasts for primordial <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode searches in ground-based experiments. Physical Review D, 2017, 95, .	4.7	27
2017	When Disorder Looks Like Order: A New Model to Explain Radial Magnetic Fields in Young Supernova Remnants. Astrophysical Journal Letters, 2017, 849, L22.	8.3	23
2018	Generalized Doppler and aberration kernel for frequency-dependent cosmological observables. Physical Review D, 2017, 96, .	4.7	7
2019	Testing the Isotropy of the Log N–log S Slope for the NVSS Radio Catalog. Astrophysical Journal, 2017, 843, 13.	4.5	6
2020	The conventions for the polarization angle. Experimental Astronomy, 2017, 43, 19-22.	3.7	10
2021	Measurement of a Cosmographic Distance Ratio with Galaxy and Cosmic Microwave Background Lensing. Physical Review Letters, 2017, 118, 161301.	7.8	19
2022	CMB-S4 and the hemispherical variance anomaly. Monthly Notices of the Royal Astronomical Society, 2017, 470, 372-378.	4.4	7
2023	Cross-correlation of galaxies and galaxy clusters in the Sloan Digital Sky Survey and the importance of non-Poissonian shot noise. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2566-2577.	4.4	23
2024	Investigating the origin of high-energy cosmic-ray electrons with Monte Carlo simulation. Journal of Physics: Conference Series, 2017, 869, 012082.	0.4	0
2025	Probing cosmological isotropy with Planck Sunyaev–Zeldovich galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2799-2804.	4.4	19
2026	Improving the spatial dimensionality of Gauss-Legendre and equiangular sampling schemes on the sphere. , 2017, , .		0
2027	On the impact of large angle CMB polarization data on cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 041-041.	5.4	15

#	Article	IF	CITATIONS
2028	Testing isotropy in the Two Micron All-Sky redshift survey with information entropy. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1953-1961.	4.4	8
2029	Quantitative evaluation of omnidirectional video quality., 2017,,.		5
2030	Vizic: A Jupyter-based interactive visualization tool for astronomical catalogs. Astronomy and Computing, 2017, 20, 128-139.	1.7	4
2031	Equidistributed icosahedral configurations on the sphere. Computers and Mathematics With Applications, 2017, 74, 605-612.	2.7	4
2032	The cosmological principle is not in the sky. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1924-1931.	4.4	14
2033	The 2HWC HAWC Observatory Gamma-Ray Catalog. Astrophysical Journal, 2017, 843, 40.	4.5	200
2034	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 39.	4.5	159
2035	Cosmic sculpture: a new way to visualise the cosmic microwave background. European Journal of Physics, 2017, 38, 015601.	0.6	4
2036	Is there evidence for anomalous dipole anisotropy in the large-scale structure?. Monthly Notices of the Royal Astronomical Society, 2017, 464, 768-774.	4.4	23
2037	Cross-correlating <i>Planck</i> CMB lensing with SDSS: lensing–lensing and galaxy–lensing cross-correlations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2120-2138.	4.4	55
2038	Second-Generation Curvelets on the Sphere. IEEE Transactions on Signal Processing, 2017, 65, 5-14.	5. 3	20
2039	Maximum a posteriori CMB lensing reconstruction. Physical Review D, 2017, 96, .	4.7	63
2040	Testing the lognormality of the galaxy and weak lensing convergence distributions from Dark Energy Survey maps. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1444-1461.	4.4	48
2041	Environmental dependence of the galaxy stellar mass function in the Dark Energy Survey Science Verification Data. Monthly Notices of the Royal Astronomical Society, 2017, 466, 228-247.	4.4	21
2042	Application of beam deconvolution technique to power spectrum estimation for CMB measurements. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1348-1362.	4.4	1
2043	Wavelet reconstruction of <i>E</i> and <i>B</i> modes for CMB polarization and cosmic shear analyses. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3728-3740.	4.4	13
2044	A fast algorithm for finding point sources in the Fermidata stream: Fermi FAST. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2378-2389.	4.4	1
2045	Baryonic acoustic oscillations from 21Âcm intensity mapping: the Square Kilometre Array case. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2736-2751.	4.4	48

#	Article	IF	CITATIONS
2046	The LWA1 Low Frequency Sky Survey. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4537-4550.	4.4	67
2047	First light: exploring the spectra of high-redshift galaxies in the Renaissance Simulations. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4863-4878.	4.4	31
2048	Gaia 1 and 2. A pair of new Galactic star clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2702-2709.	4.4	61
2049	The characteristic halo masses of half-a-million WISE-selected quasars. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4630-4643.	4.4	29
2050	Galactic googly: the rotation–metallicity bias in the inner stellar halo of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2959-2971.	4.4	18
2051	Estimating the weak-lensing rotation signal in radio cosmic shear surveys. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3131-3148.	4.4	17
2052	Numerical aspects of giant impact simulations. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4252-4263.	4.4	56
2053	Cross-correlation of weak lensing and gamma rays: implications for the nature of dark matter. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2706-2722.	4.4	19
2054	Constraints on AGN feedback from its Sunyaev–Zel'dovich imprint on the cosmic background radiation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 577-596.	4.4	21
2055	Limiting magnetic fields in the cosmic web with diffuse radio emission. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4246-4253.	4.4	50
2056	Impact of modelling foreground uncertainties on future CMB polarization satellite experiments. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4408-4418.	4.4	8
2057	A 3D model for carbon monoxide molecular line emission as a potential cosmic microwave background polarization contaminant. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2982-2996.	4.4	12
2058	Fluctuating feedback-regulated escape fraction of ionizing radiation in low-mass, high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 470, 224-239.	4.4	140
2059	The slight spin of the old stellar halo. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1259-1273.	4.4	58
2060	The Python Sky Model: software for simulating the Galactic microwave sky. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2821-2833.	4.4	127
2061	Gravitational redshift and asymmetric redshift-space distortions for stacked clusters. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1981-1993.	4.4	20
2062	Cross-correlating 2D and 3D galaxy surveys. Physical Review D, 2017, 95, .	4.7	12
2063	A New, Large-scale Map of Interstellar Reddening Derived from H i Emission. Astrophysical Journal, 2017, 846, 38.	4.5	84

#	Article	IF	CITATIONS
2064	Search for a very high-energy gamma-ray signal in the northern Fermi bubble region with HAWC. AIP Conference Proceedings, $2017, \ldots$	0.4	0
2065	Using inpainting to construct accurate cut-sky CMB estimators. Physical Review D, 2017, 95, .	4.7	21
2066	The Extremely Luminous Quasar Survey in the SDSS Footprint. I. Infrared-based Candidate Selection. Astrophysical Journal, 2017, 851, 13.	4.5	30
2067	Linear perturbations in spherically symmetric dust cosmologies including a cosmological constant. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 025-025.	5.4	2
2068	Line-of-sight extrapolation noise in dust polarization. Physical Review D, 2017, 95, .	4.7	15
2069	Rotational Spectral Unmixing of Exoplanets: Degeneracies between Surface Colors and Geography. Astronomical Journal, 2017, 154, 189.	4.7	42
2070	Ab Initio Simulations of a Supernova-driven Galactic Dynamo in an Isolated Disk Galaxy. Astrophysical Journal, 2017, 843, 113.	4.5	37
2071	Radiation-driven Turbulent Accretion onto Massive Black Holes. Astrophysical Journal, 2017, 847, 70.	4.5	12
2072	A 2500 deg ² CMB Lensing Map from Combined South Pole Telescope and Planck Data. Astrophysical Journal, 2017, 849, 124.	4.5	49
2073	Full-sky Gravitational Lensing Simulation for Large-area Galaxy Surveys and Cosmic Microwave Background Experiments. Astrophysical Journal, 2017, 850, 24.	4.5	114
2074	Halo Pressure Profile through the Skew Cross-power Spectrum of the Sunyaev–Zel'dovich Effect and CMB Lensing in Planck. Astrophysical Journal Letters, 2017, 849, L6.	8.3	2
2075	liger: mock relativistic light cones from Newtonian simulations. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3899-3914.	4.4	37
2076	Wavelet-Bayesian inference of cosmic strings embedded in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4081-4098.	4.4	16
2077	Kinematics of our Galaxy from the PMA and TGAS catalogues. Proceedings of the International Astronomical Union, 2017, 12, 100-103.	0.0	0
2078	Alignments of parity even/odd-only multipoles in CMB. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2410-2421.	4.4	25
2079	Tensor Minkowski Functionals for random fields on the sphere. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 023-023.	5.4	22
2080	Tomographic Imaging of the Fermi-LAT γ-Ray Sky through Cross-correlations: A Wider and Deeper Look. Astrophysical Journal, Supplement Series, 2017, 232, 10.	7.7	18
2081	Constraints on direction-dependent cosmic birefringence from <i>Planck </i> polarization data. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 046-046.	5.4	28

#	Article	IF	CITATIONS
2082	KiDS-450: the tomographic weak lensing power spectrum and constraints on cosmological parameters. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4412-4435.	4.4	165
2083	Cosmological constraints from the convergence 1-point probability distribution. Monthly Notices of the Royal Astronomical Society, 2017, 472, 439-446.	4.4	30
2084	DIRSIG5: Next-Generation Remote Sensing Data and Image Simulation Framework. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4818-4833.	4.9	37
2085	Radiative transfer meets Bayesian statistics: where does a galaxy's [C ii] emission come from?. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3315-3330.	4.4	27
2086	Feedback-regulated star formation and escape of LyC photons from mini-haloes during reionisation. Monthly Notices of the Royal Astronomical Society, 0, , stx052.	4.4	101
2087	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: observational systematics and baryon acoustic oscillations in the correlation function. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1168-1191.	4.4	183
2088	The selection function of the RAVE survey. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3368-3380.	4.4	29
2089	The PMA Catalogue: 420 million positions and absolute proper motions. Monthly Notices of the Royal Astronomical Society, 2017, 469, 763-773.	4.4	21
2090	Can anisotropy in the galaxy distribution tell the bias?. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1861-1868.	4.4	2
2091	Semiclassical Length Measure from a Quantum-Gravity Wave Function. Technologies, 2017, 5, 56.	5.1	0
2092	Radio-interferometric Neutrino Reconstruction for the Askaryan Radio Array. EPJ Web of Conferences, 2017, 135, 05003.	0.3	1
2093	INTEGRAL IBIS, SPI, and JEM-X observations of LVT151012. Astronomy and Astrophysics, 2017, 603, A46.	5.1	19
2094	H i  anisotropies associated with radio-polarimetric filaments. Astronomy and Astrophysics, 2017, 607, A15.	5.1	22
2095	Improving global paleogeography since the late Paleozoic using paleobiology. Biogeosciences, 2017, 14, 5425-5439.	3.3	111
2096	Integrated cosmological probes: Extended analysis. Physical Review D, 2017, 95, .	4.7	17
2097	Flexible Light Curves Generation System for Astronomical Catalogs. , 2017, , .		2
2098	Iterative residual fitting for spherical harmonic transform of band-limited signals on the sphere: Generalization and analysis. , $2017, \dots$		1
2099	Optimal-dimensionality sampling on the sphere: Improvements and variations. , 2017, , .		1

#	Article	IF	Citations
2100	A Spherical Active Coded Aperture for \$4pi \$ Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2017, 64, 2837-2842.	2.0	19
2101	X-ray upper limits of GW151226 with MAXI. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	2
2102	Statical Properties of CMB B-Mode Polarisation in a Partial Sky Analysis. International Journal of Modern Physics Conference Series, 2017, 45, 1760010.	0.7	0
2103	High-redshift radio galaxies and divergence from the CMB dipole. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1045-1055.	4.4	76
2104	Ray-tracing 3D dust radiative transfer with DART-Ray: code upgrade and public release. Astronomy and Astrophysics, 2017, 607, A125.	5.1	7
2105	The roles of stellar feedback and galactic environment in star-forming molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3536-3551.	4.4	34
2106	Topology of Large-scale Structures of Galaxies in Two Dimensionsâ€"Systematic Effects. Astrophysical Journal, 2017, 836, 45.	4.5	10
2107	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 599, A50.	5.1	84
2108	Statistical simulations of the dust foreground to cosmic microwave background polarization. Astronomy and Astrophysics, 2017, 603, A62.	5.1	41
2109	QuickPol: Fast calculation of effective beam matrices for CMB polarization. Astronomy and Astrophysics, 2017, 598, A25.	5.1	26
2110	The cosmic microwave background Cold Spot anomaly: the impact of sky masking and the expected contribution from the integrated Sachs–Wolfe effect. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L65-L69.	3.3	7
2111	J-GEM follow-up observations of the gravitational wave source GW151226*. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	22
2112	Modeling UV Radiation Feedback from Massive Stars. I. Implementation of Adaptive Ray-tracing Method and Tests. Astrophysical Journal, 2017, 851, 93.	4.5	43
2113	Optimization of the half wave plate configuration for the LSPE-SWIPE experiment. Journal of Physics: Conference Series, 2017, 841, 012001.	0.4	2
2114	Unbiased pseudo- <i>C</i> _{â,,"} power spectrum estimation with mode projection. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1847-1855.	4.4	29
2115	Intensity Mapping Foreground Cleaning with Generalized Needlet Internal Linear Combination. Proceedings of the International Astronomical Union, 2017, 12, 288-291.	0.0	1
2116	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 607, A105.	5.1	33
2117	Imprint of DES superstructures on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4166-4179.	4.4	36

#	Article	IF	CITATIONS
2118	Modelling and simulation of large-scale polarized dust emission over the southern Galactic cap using the GASS Hi data. Astronomy and Astrophysics, 2017, 601, A71.	5.1	29
2119	De-blending deep <i>Herschel </i> surveys: A multi-wavelength approach. Astronomy and Astrophysics, 2017, 603, A102.	5.1	17
2120	The relation between the column density structures and the magnetic field orientation in the Vela C molecular complex. Astronomy and Astrophysics, 2017, 603, A64.	5.1	69
2121	Inadequacy of internal covariance estimation for super-sample covariance. Astronomy and Astrophysics, 2017, 604, A104.	5.1	12
2122	The gamma-ray Moon seen by the Fermi LAT. Journal of Physics: Conference Series, 2017, 934, 012021.	0.4	0
2123	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: angular clustering tomography and its cosmological implications. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2938-2956.	4.4	37
2124	Brute-force mapmaking with compact interferometers: a MITEoR northern sky map from 128 to 175ÂMHz. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2901-2915.	4.4	20
2125	The multiplicity and anisotropy of galactic satellite accretion. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1796-1810.	4.4	51
2126	No evidence for dust <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode decorrelation in Planck data. Physical Review D, 2018, 97, .	4.7	19
2127	Updated tomographic analysis of the integrated Sachs-Wolfe effect and implications for dark energy. Physical Review D, 2018, 97, .	4.7	52
2128	On approximation for fractional stochastic partial differential equations on the sphere. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2585-2603.	4.0	18
2129	Search for Dark Matter Annihilation in Galaxy Groups. Physical Review Letters, 2018, 120, 101101.	7.8	43
2130	Two- and three-dimensional wide-field weak lensing mass maps from the Hyper Suprime-Cam Subaru Strategic Program S16A data. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	42
2131	Bias of damped Lyman- \hat{l}_{\pm} systems from their cross-correlation with CMB lensing. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 053-053.	5.4	12
2132	Imprints of cosmic rays in multifrequency observations of the interstellar emission. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2724-2742.	4.4	64
2133	Machine-learning-based real–bogus system for the HSC-SSP moving object detection pipeline. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	17
2134	Isotropy of low redshift type Ia supernovae: A Bayesian analysis. Physical Review D, 2018, 97, .	4.7	31
2135	A high resolution Mars surface gravity grid. Planetary and Space Science, 2018, 160, 84-106.	1.7	11

#	Article	IF	Citations
2136	Persistent homology and non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 025-025.	5.4	21
2137	Polarized anisotropic spectral distortions of the CMB: galactic and extragalactic constraints on photon-axion conversion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 045-045.	5.4	20
2138	Harmonic analysis of surface instability patterns on colloidal particles. Soft Matter, 2018, 14, 3387-3396.	2.7	18
2139	Exploring cosmic origins with CORE: Survey requirements and mission design. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	98
2140	Exploring cosmic origins with CORE: Gravitational lensing of the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	5.4	29
2141	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17
2142	Exploring cosmic origins with CORE: Effects of observer peculiar motion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	18
2143	Exploring cosmic origins with CORE: Mitigation of systematic effects. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	14
2144	Exploring cosmic origins with CORE: <i>B</i> -mode component separation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	44
2145	A Catalog of Cool Dwarf Targets for the Transiting Exoplanet Survey Satellite. Astronomical Journal, 2018, 155, 180.	4.7	85
2146	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. Astrophysical Journal, Supplement Series, 2018, 235, 33.	7.7	192
2147	Estimating fiber orientation distribution from diffusion MRI with spherical needlets. Medical Image Analysis, 2018, 46, 57-72.	11.6	7
2148	Probing supervoids with weak lensing. Monthly Notices of the Royal Astronomical Society, 2018, 476, 359-365.	4.4	5
2149	Ring-type structures in the Planck map of the CMB. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3251-3255.	4.4	8
2150	Ultra-high-energy cosmic rays from radio galaxies. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 036-036.	5.4	46
2151	Summed Area Tables for Cube Maps. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2773-2786.	4.4	1
2152	Cosmological Parameter Estimation Using the Genus Amplitude—Application to Mock Galaxy Catalogs. Astrophysical Journal, 2018, 853, 17.	4.5	13
2153	Cosmological parameter forecasts for H i intensity mapping experiments using the angular power spectrum. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4242-4256.	4.4	33

#	Article	IF	CITATIONS
2154	Testing statistical isotropy in cosmic microwave background polarization maps. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4357-4366.	4.4	8
2155	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3165-3190.	4.4	60
2156	The <i>WISE</i> AGN Catalog. Astrophysical Journal, Supplement Series, 2018, 234, 23.	7.7	144
2157	First results from the IllustrisTNG simulations: the galaxy colour bimodality. Monthly Notices of the Royal Astronomical Society, 2018, 475, 624-647.	4.4	894
2158	A radio spectral index map and catalogue at 147–1400ÂMHz covering 80 per cent of the sky. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5008-5022.	4.4	79
2159	Gaia-like astrometry and gravitational waves. Classical and Quantum Gravity, 2018, 35, 045005.	4.0	26
2160	Bias to CMB lensing reconstruction from temperature anisotropies due to large-scale galaxy motions. Physical Review D, 2018, 97, .	4.7	44
2161	Black Hole Formation and Fallback during the Supernova Explosion of a 40 M _⊙ Star. Astrophysical Journal Letters, 2018, 852, L19.	8.3	75
2162	On the Anisotropy in the Arrival Directions of Ultra-high-energy Cosmic Rays. Astrophysical Journal Letters, 2018, 854, L3.	8.3	18
2163	Lensing bias to CMB polarization measurements of compensated isocurvature perturbations. Physical Review D, 2018, 97, .	4.7	3
2164	Full-sky Ray-tracing Simulation of Weak Lensing Using ELUCID Simulations: Exploring Galaxy Intrinsic Alignment and Cosmic Shear Correlations. Astrophysical Journal, 2018, 853, 25.	4.5	17
2165	Making maps of cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 042-042.	5.4	8
2166	Interfacial Adsorption of Neutral and Ionic Solutes in a Water Droplet. Journal of Physical Chemistry B, 2018, 122, 3447-3453.	2.6	17
2167	The fast transient sky with Gaia. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3854-3862.	4.4	13
2168	Dark matter spin determination with directional direct detection experiments. Physical Review D, 2018, 97, .	4.7	13
2169	Measurements of the Temperature and E-mode Polarization of the CMB from 500 Square Degrees of SPTpol Data. Astrophysical Journal, 2018, 852, 97.	4.5	145
2170	Ultrahigh energy cosmic rays from nearby starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 800-806.	4.4	9
2171	Searching for moving objects in HSC-SSP: Pipeline and preliminary results. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	14

#	Article	IF	CITATIONS
2172	DIAPHANE: A portable radiation transport library for astrophysical applications. Computer Physics Communications, 2018, 226, 1-9.	7.5	1
2173	The dipole anisotropy of AllWISE galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1772-1781.	4.4	15
2174	Confirmation of the detection of B modes in the Planck polarization maps. Astronomische Nachrichten, 2018, 339, 432-439.	1.2	1
2175	Finding counterparts for all-sky X-ray surveys with Nway: a Bayesian algorithm for cross-matching multiple catalogues. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4937-4955.	4.4	108
2176	Constraints on patchy reionization from Planck CMB temperature trispectrum. Physical Review D, 2018, 97, .	4.7	19
2177	Deriving the Contribution of Blazars to the Fermi-LAT Extragalactic γ-ray Background at EÂ>Â10 GeV with Efficiency Corrections and Photon Statistics. Astrophysical Journal, 2018, 856, 106.	4.5	27
2178	A Comparison of Maps and Power Spectra Determined from South Pole Telescope and Planck Data. Astrophysical Journal, 2018, 853, 3.	4.5	18
2179	The Embedded Ring-like Feature and Star Formation Activities in G35.673-00.847. Astrophysical Journal, 2018, 854, 106.	4.5	6
2180	Constraints on the Mass–Richness Relation from the Abundance and Weak Lensing of SDSS Clusters. Astrophysical Journal, 2018, 854, 120.	4.5	68
2181	The 7-year <i>MAXI</i> /GSC Source Catalog of the Low-Galactic-latitude Sky (3MAXI). Astrophysical Journal, Supplement Series, 2018, 235, 7.	7.7	16
2182	Controls on the global distribution of contourite drifts: Insights from an eddy-resolving ocean model. Earth and Planetary Science Letters, 2018, 489, 228-240.	4.4	50
2183	Preconditioner-free Wiener filtering with a dense noise matrix. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3425-3431.	4.4	4
2184	Weak lensing magnification in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1071-1085.	4.4	21
2185	Intensity-corrected Herschel Observations of Nearby Isolated Low-mass Clouds*. Astrophysical Journal, 2018, 852, 102.	4.5	12
2186	Where is Population II?. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	1
2187	Source Finding in the Era of the SKA (Precursors): <scp>Aegean</scp> 2.0. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	119
2188	Galaxy–galaxy and galaxy–cluster lensing with the SDSS and FIRST surveys. Monthly Notices of the Royal Astronomical Society, 2018, 473, 937-952.	4.4	3
2189	A direct measure of free electron gas via the kinematic Sunyaev–Zel'dovich effect in Fourier-space analysis. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3764-3785.	4.4	18

#	Article	IF	CITATIONS
2190	The Three-dimensional Spatial Distribution of Interstellar Gas in the Milky Way: Implications for Cosmic Rays and High-energy Gamma-ray Emissions. Astrophysical Journal, 2018, 856, 45.	4.5	47
2191	A multi-resolution model for non-Gaussian random fields on a sphere with application to ionospheric electrostatic potentials. Annals of Applied Statistics, 2018, 12, 459-489.	1.1	5
2192	Likelihood-based structural analysis of electron microscopy images. Current Opinion in Structural Biology, 2018, 49, 162-168.	5.7	15
2193	Directional Sensitivity in Light-Mass Dark Matter Searches with Single-Electron-Resolution Ionization Detectors. Physical Review Letters, 2018, 120, 111301.	7.8	33
2194	Mapping extragalactic dark matter annihilation with galaxy surveys: A systematic study of stacked group searches. Physical Review D, 2018, 97, .	4.7	31
2195	Localisation of directional scale-discretised wavelets on the sphere. Applied and Computational Harmonic Analysis, 2018, 44, 59-88.	2.2	26
2196	Dynamic topography of passive continental margins and their hinterlands since the Cretaceous. Gondwana Research, 2018, 53, 225-251.	6.0	55
2197	Joint representation of consistent structural and functional profiles for identification of common cortical landmarks. Brain Imaging and Behavior, 2018, 12, 728-742.	2.1	7
2198	Recent discoveries from the cosmic microwave background: a review of recent progress. Reports on Progress in Physics, 2018, 81, 044901.	20.1	26
2199	Foreground contribution to the inferred cosmological parameters from Planck. International Journal of Modern Physics D, 2018, 27, 1750189.	2.1	0
2200	Modeling Tangential Vector Fields on a Sphere. Journal of the American Statistical Association, 2018, 113, 1625-1636.	3.1	13
2201	The Radio Sky at Meter Wavelengths: m-mode Analysis Imaging with the OVRO-LWA. Astronomical Journal, 2018, 156, 32.	4.7	62
2202	Optically Thick H i Does Not Dominate Dark Gas in the Local ISM. Astrophysical Journal, 2018, 862, 131.	4.5	31
2203	Ionospheric Attenuation of Polarized Foregrounds in 21 cm Epoch of Reionization Measurements: A Demonstration for the HERA Experiment. Astrophysical Journal, 2018, 869, 79.	4.5	9
2204	The 7-year MAXI/GSC X-Ray Source Catalog in the High Galactic Latitude Sky (3MAXI). Astrophysical Journal, Supplement Series, 2018, 238, 32.	7.7	20
2205	Assessing Consistency between WMAP 9 Year and Planck 2015 Temperature Power Spectra. Astrophysical Journal, 2018, 869, 38.	4.5	19
2206	Spatially-Limited Sampling of Band-Limited Signals on the Sphere. , 2018, , .		1
2207	Effect of Template Uncertainties on the WMAP and Planck Measures of the Optical Depth Due to Reionization. Astrophysical Journal, 2018, 863, 161.	4.5	16

#	Article	IF	CITATIONS
2208	The Propagation of Cosmic Rays from the Galactic Wind Termination Shock: Back to the Galaxy?. Astrophysical Journal, 2018, 859, 63.	4.5	12
2209	A Projected Estimate of the Reionization Optical Depth Using the CLASS Experiment's Sample Variance Limited E-mode Measurement. Astrophysical Journal, 2018, 863, 121.	4.5	26
2210	A Model-independent Test of Cosmic Isotropy with Low-z Pantheon Supernovae. Astrophysical Journal, 2018, 865, 119.	4.5	27
2211	Non-Gaussianity of secondary anisotropies from ACTPol and Planck. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	19
2212	Mapping incoherent gravitational wave backgrounds. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4650-4661.	4.4	33
2213	Calibrating magnification bias for the EG statistic to test general relativity. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1441-1454.	4.4	5
2214	Analysis of the Systematic Differences between the Stellar Parallaxes of the TGAS and Hipparcos Catalogues Using Spherical Harmonics. Astronomy Letters, 2018, 44, 720-726.	1.0	0
2215	Constraining the Anomalous Microwave Emission Mechanism in the S140 Star-forming Region with Spectroscopic Observations between 4 and 8 GHz at the Green Bank Telescope. Astrophysical Journal, 2018, 864, 97.	4.5	1
2216	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 618, A30.	5.1	117
2217	The integrated Sachs–Wolfe effect in the AvERA cosmology. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3582-3591.	4.4	26
2218	Multiwavelength scaling relations in galaxy groups: a detailed comparison of GAMA and KiDS observations to BAHAMAS simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3338-3355.	4.4	11
2219	Simulations of systematic direction-dependent instrumental effects in intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2694-2710.	4.4	2
2220	Testing the ABS Method with the Simulated Planck Temperature Maps. Astrophysical Journal, Supplement Series, 2018, 239, 36.	7.7	4
2221	Data calibration for the MASCARA and bRing instruments. Astronomy and Astrophysics, 2018, 619, A154.	5.1	8
2222	Bibliography, catalogs, pixel data: Management of heterogeneous Big Data at CDS by the documentalists. EPJ Web of Conferences, 2018, 186, 02001.	0.3	1
2223	Solving linear equations with messenger-field and conjugate gradient techniques: An application to CMB data analysis. Astronomy and Astrophysics, 2018, 620, A59.	5.1	5
2224	Properties of cold and warm H†I gas phases derived from a Gaussian decomposition of HI4PI data. Astronomy and Astrophysics, 2018, 619, A58.	5.1	35
2225	Impact of polarized foregrounds on LSPE-SWIPE observations. Journal of Physics: Conference Series, 2018, 956, 012002.	0.4	1

#	Article	IF	CITATIONS
2226	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A3.	5.1	124
2227	Efficient astronomical query processing using spark. , 2018, , .		4
2228	Average fractional polarization of extragalactic sources at <i>Planck</i> frequencies. Astronomy and Astrophysics, 2018, 618, A29.	5.1	14
2229	Simulations of Galactic polarized synchrotron emission for Epoch of Reionization observations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 275-283.	4.4	15
2230	The first catalog of <i>Fermi</i> -LAT sources below 100 MeV. Astronomy and Astrophysics, 2018, 618, A22.	5.1	23
2231	S–PASS view of polarized Galactic synchrotron at 2.3 GHz as a contaminant to CMB observations. Astronomy and Astrophysics, 2018, 618, A166.	5.1	64
2232	Gravitational wave effects on astrometric observables. Physical Review D, 2018, 98, .	4.7	1
2233	MAXI upper limits of the electromagnetic counterpart of GW170817. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	7
2234	Messier 81's Planck view versus its halo mapping. Astronomy and Astrophysics, 2018, 609, A131.	5.1	23
2235	A strong test of the dark matter origin of a TeV electron excess using icecube neutrinos. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 030-030.	5.4	6
2236	Large-scale three-dimensional Gaussian process extinction mapping. Monthly Notices of the Royal Astronomical Society, 2018, 481, 494-508.	4.4	14
2237	Efficient Sampling on HEALPix Grid. , 2018, , .		0
2238	Bayesian model comparison and analysis of the Galactic disc population of gamma-ray millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3966-3987.	4.4	28
2239	Joint analysis of the thermal Sunyaev–Zeldovich effect and 2MASS galaxies: probing gas physics in the local Universe and beyond. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3928-3941.	4.4	39
2240	An efficient and accurate hybrid method for simulating non-linear neutrino structure. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1486-1500.	4.4	52
2241	The triply-ionized carbon forest from eBOSS: cosmological correlations with quasars in SDSS-IV DR14. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 029-029.	5.4	13
2242	Optimal strategy for polarization modulation in the LSPE-SWIPE experiment. Astronomy and Astrophysics, 2018, 609, A52.	5.1	5
2243	Reducing noise in cosmological N-body simulations with neutrinos. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 028-028.	5.4	42

#	Article	IF	CITATIONS
2244	Anisotropies in the stochastic gravitational-wave background: Formalism and the cosmic string case. Physical Review D, 2018, 98, .	4.7	68
2245	The Dark Energy Survey: Data Release 1. Astrophysical Journal, Supplement Series, 2018, 239, 18.	7.7	455
2246	Quadratic estimator for CMB cross-correlation. Physical Review D, 2018, 98, .	4.7	18
2247	Fast Coordinate Cross-Match Tool for Large Astronomical Catalogue. , 2018, , .		2
2248	Regional Climate Model Evaluation System powered by Apache Open Climate Workbench v1.3.0: an enabling tool for facilitating regional climate studies. Geoscientific Model Development, 2018, 11, 4435-4449.	3.6	16
2249	3D cosmic shear: Numerical challenges, 3D lensing random fields generation, and Minkowski functionals for cosmological inference. Physical Review D, 2018, 98, .	4.7	10
2250	Localization of Multiple Sources in the Spherical Harmonic Domain with Hierarchical Grid Refinement and Eb-Music. , $2018, $, .		1
2251	Acoustic Source Separation Using Rigid Spherical Microphone Arrays Via Spatially Weighted Orthogonal Matching Pursuit., 2018,,.		4
2252	Weak lensing peak statistics in the era of large scale cosmological surveys. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 051-051.	5.4	25
2253	Maps of the Southern Millimeter-wave Sky from Combined 2500 deg ² SPT-SZ and <i>Planck</i> Temperature Data. Astrophysical Journal, Supplement Series, 2018, 239, 10.	7.7	28
2254	Optical and UV surface brightness of translucent dark nebulae. Astronomy and Astrophysics, 2018, 617, A42.	5.1	5
2255	The EBEX Balloon-borne Experimentâ€"Detectors and Readout. Astrophysical Journal, Supplement Series, 2018, 239, 8.	7.7	13
2256	Cosmological constraints from noisy convergence maps through deep learning. Physical Review D, 2018, 98, .	4.7	49
2257	A Note on Saari's Treatment of Rotation Curve Analysis. Astrophysical Journal, 2018, 869, 160.	4.5	1
2258	Dust models compatible with <i>Planck</i> intensity and polarization data in translucent lines of sight. Astronomy and Astrophysics, 2018, 610, A16.	5.1	72
2259	Probing the Cosmological Principle in the counts of radio galaxies at different frequencies. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 031-031.	5.4	79
2260	Search for dark matter annihilation in the MilkyÂWay halo. Physical Review D, 2018, 98, .	4.7	28
2261	An Imaging Algorithm for a Lunar Orbit Interferometer Array. Astronomical Journal, 2018, 156, 43.	4.7	10

#	Article	IF	Citations
2262	<i>In situ</i> measurement of MWA primary beam variation using <i>ORBCOMM</i> . Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	24
2263	Evidence for an X-Ray to Gamma-Ray Virial Shock Signal from the Coma Cluster. Astrophysical Journal, 2018, 869, 53.	4.5	8
2264	First HAWC observations of the Sun constrain steady TeV gamma-ray emission. Physical Review D, 2018, 98, .	4.7	19
2265	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2018, 619, A94.	5.1	18
2266	Accelerating Space Radiative Transfer on FPGA using OpenCL., 2018,,.		11
2267	DustPedia: Multiwavelength photometry and imagery of 875 nearby galaxies in 42 ultraviolet-microwave bands. Astronomy and Astrophysics, 2018, 609, A37.	5.1	81
2268	Gamma-Ray Emission from Molecular Clouds Generated by Penetrating Cosmic Rays. Astrophysical Journal, 2018, 868, 114.	4.5	15
2269	Non-Gaussianity of diffuse Galactic synchrotron emission at 408ÂMHz. Monthly Notices of the Royal Astronomical Society, 2018, 481, 970-980.	4.4	7
2270	An Efficient Retrieval Method for Astronomical Catalog Time Series Data. Lecture Notes in Computer Science, 2018, , 284-298.	1.3	1
2271	The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. European Physical Journal C, 2018, 78, 1006.	3.9	14
2272	Detecting Ocean Glint on Exoplanets Using Multiphase Mapping. Astronomical Journal, 2018, 156, 301.	4.7	49
2273	Unresolved Gamma-Ray Sky through its Angular Power Spectrum. Physical Review Letters, 2018, 121, 241101.	7.8	20
2274	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2018, 617, A48.	5.1	22
2275	correlcalc: A †generic' recipe for calculation of two-point correlation function. Astronomy and Computing, 2018, 25, 149-158.	1.7	1
2276	Complete super-sample lensing covariance in the response approach. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015.	5.4	53
2277	Perspectives for Cosmological Reionization From Future CMB and Radio Projects. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	0
2278	Search for C ii emission on cosmological scales at redshift ZÂâ^¼Â2.6. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1911-1924.	4.4	46
2279	Dust–Gas Scaling Relations and OH Abundance in the Galactic ISM. Astrophysical Journal, 2018, 862, 49.	4.5	49

#	Article	IF	CITATIONS
2280	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. Astrophysical Journal, 2018, 865, 57.	4. 5	25
2281	Survey geometry and the internal consistency of recent cosmic shear measurements. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4998-5004.	4.4	68
2282	The dipole anisotropy of WISEÂ×ÂSuperCOSMOS number counts. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L106-L110.	3.3	15
2283	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. Nature, 2018, 562, 82-85.	27.8	75
2284	The Dark Energy Survey Image Processing Pipeline. Publications of the Astronomical Society of the Pacific, 2018, 130, 074501.	3.1	161
2285	Exploring Fundamentally Three-dimensional Phenomena in High-fidelity Simulations of Core-collapse Supernovae. Astrophysical Journal, 2018, 865, 81.	4.5	173
2286	The effect of photoionizing feedback on star formation in isolated and colliding clouds. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	22
2287	Very fast stochastic gravitational wave background map making using folded data. Physical Review D, 2018, 98, .	4.7	27
2288	Main sequence of star forming galaxies beyond the <i>Herschel</i> confusion limit. Astronomy and Astrophysics, 2018, 615, A146.	5.1	104
2289	Fingerprint of Galactic Loop I on polarized microwave foregrounds. Astronomy and Astrophysics, 2018, 617, A90.	5.1	8
2290	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. Astrophysical Journal, Supplement Series, 2018, 238, 5.	7.7	16
2291	MultiDark clusters: galaxy cluster mock light-cones, eROSITA, and the cluster power spectrum. Monthly Notices of the Royal Astronomical Society, 2018, 480, 987-1005.	4.4	10
2292	Constraining Galactic dark matter with gamma-ray pixel counts statistics. Physical Review D, 2018, 98, .	4.7	17
2293	Excessive Shift of the CMB Acoustic Peaks of the Cold Spot Area. Astrophysical Journal, 2018, 861, 8.	4.5	1
2294	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2871-2888.	4.4	34
2295	The relative impact of photoionizing radiation and stellar winds on different environments. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4799-4815.	4.4	68
2296	A Global ILC Approach in Pixel Space over Large Angular Scales of the Sky Using CMB Covariance Matrix. Astrophysical Journal, 2018, 867, 74.	4.5	12
2297	Tomographic local 2D analyses of the WISExSuperCOSMOS all-sky galaxy catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3253-3265.	4.4	11

#	Article	IF	CITATIONS
2298	Detection and removal of B-mode dust foregrounds with signatures of statistical anisotropy. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5577-5595.	4.4	8
2299	Accurate cosmic shear errors: do we need ensembles of simulations?. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 053-053.	5.4	48
2300	Star-galaxy classification in the Dark Energy Survey Y1 dataset. Monthly Notices of the Royal Astronomical Society, 0 , , .	4.4	19
2301	Detection of virial shocks in stacked Fermi-LAT galaxy clusters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 010-010.	5.4	13
2302	Dust in galaxy clusters: Modeling at millimeter wavelengths and impact on <i>Planck</i> cluster cosmology. Astronomy and Astrophysics, 2018, 617, A75.	5.1	13
2303	Planck observations of M33. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4968-4980.	4.4	9
2304	Dark matter distribution induced by a cosmic string wake in the nonlinear regime. Physical Review D, 2018, 98, .	4.7	9
2305	A <i>Gaia</i> DR2 view of the open cluster population in the Milky Way. Astronomy and Astrophysics, 2018, 618, A93.	5.1	509
2306	Polarized Sunyaev Zel'dovich tomography. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 034-034.	5.4	27
2307	Multipole vectors of completely random microwave skies for lâ‰\$0. Physical Review D, 2018, 98, .	4.7	5
2308	Null signal for the cosmic anisotropy in the Pantheon supernovaeÂdata. European Physical Journal C, 2018, 78, 1.	3.9	40
2309	FITS Data Source for Apache Spark. Computing and Software for Big Science, 2018, 2, 1.	2.9	6
2310	Gas and galaxies in filaments between clusters of galaxies. Astronomy and Astrophysics, 2018, 609, A49.	5.1	47
2311	Iterative map-making with two-level preconditioning for polarized cosmic microwave background data sets. Astronomy and Astrophysics, 2018, 618, A62.	5.1	6
2312	Cosmological constraints from a joint analysis of cosmic microwave background and spectroscopic tracers of the large-scale structure. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5386-5411.	4.4	33
2313	Density split statistics: Cosmological constraints from counts and lensing in cells in DES Y1 and SDSS data. Physical Review D, 2018, 98, .	4.7	7 5
2314	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A4.	5.1	556
2315	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A16.	5.1	28

#	Article	IF	Citations
2316	The primordial magnetic field in our cosmic backyard. Classical and Quantum Gravity, 2018, 35, 154001.	4.0	17
2317	Planck/SDSS cluster mass and gas scaling relations for a volume-complete redMaPPer sample. Monthly Notices of the Royal Astronomical Society, 2018, 478, 638-650.	4.4	8
2318	Anisotropies in the astrophysical gravitational-wave background: Predictions for the detection of compact binaries by LIGO and Virgo. Physical Review D, $2018, 98, .$	4.7	63
2319	Simulated reconstruction of the remote dipole field using the kinetic Sunyaev Zel'dovich effect. Physical Review D, 2018, 98, .	4.7	10
2320	Results from the Atacama B-mode Search (ABS) experiment. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 005-005.	5.4	37
2321	The rHEALPix Discrete Global Grid System: considerations for Canada. Geomatica, 2018, 72, 27-37.	0.5	8
2322	Stacked lensing estimators and their covariance matrices: excess surface mass density versus lensing shear. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4277-4292.	4.4	11
2323	HelioLinC: A Novel Approach to the Minor Planet Linking Problem. Astronomical Journal, 2018, 156, 135.	4.7	19
2324	Synthetic Observations of 21 cm H i Line Profiles from Inhomogeneous Turbulent Interstellar H i Gas with Magnetic Fields. Astrophysical Journal, 2018, 860, 33.	4.5	21
2325	CMB constraints on running non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 045-045.	5.4	14
2326	Super-sample covariance approximations and partial sky coverage. Astronomy and Astrophysics, 2018, 611, A83.	5.1	20
2327	Extracting foreground-obscured $\hat{1}\frac{1}{4}$ -distortion anisotropies to constrain primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2018, 478, 807-824.	4.4	19
2328	Modeling UV Radiation Feedback from Massive Stars. II. Dispersal of Star-forming Giant Molecular Clouds by Photoionization and Radiation Pressure. Astrophysical Journal, 2018, 859, 68.	4.5	151
2329	exocartographer: A Bayesian Framework for Mapping Exoplanets in Reflected Light. Astronomical Journal, 2018, 156, 146.	4.7	25
2330	Results from EDGES High-band. II. Constraints on Parameters of Early Galaxies. Astrophysical Journal, 2018, 863, 11.	4.5	44
2331	A matched filter approach for blind joint detection of galaxy clusters in X-ray and SZ surveys. Astronomy and Astrophysics, 2018, 614, A82.	5.1	11
2332	Statistics of the polarized submillimetre emission maps from thermal dust in the turbulent, magnetized, diffuse ISM. Astronomy and Astrophysics, 2018, 614, A124.	5.1	11
2333	Impact of SZ cluster residuals in CMB maps and CMB–LSS cross-correlations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4239-4252.	4.4	6

#	Article	IF	CITATIONS
2334	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4614-4635.	4.4	31
2335	Dark Energy Survey year 1 results: Galaxy-galaxy lensing. Physical Review D, 2018, 98, .	4.7	71
2336	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. Physical Review D, 2018, 98, .	4.7	102
2337	First Data Release of the All-sky NOAO Source Catalog. Astronomical Journal, 2018, 156, 131.	4.7	25
2338	Searching for All-scale Anisotropies in the Arrival Directions of Cosmic Rays above the Ankle. Astrophysical Journal, 2018, 863, 146.	4.5	5
2339	Galactic PeVatrons and helping to find them: Effects of galactic absorption on the observed spectra of very high energy <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>13</mml:mi></mml:math> -ray sources. Physical Review D, 2018, 98, .	4.7	12
2340	ICE-COLA: fast simulations for weak lensing observables. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3051-3061.	4.4	25
2341	Angular power spectrum of galaxies in the 2MASS Redshift Survey. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4318-4325.	4.4	19
2342	Joint Bayesian estimation of tensor and lensing B modes in the power spectrum of CMB polarization data. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3889-3897.	4.4	6
2343	Sparse estimation of model-based diffuse thermal dust emission. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5560-5574.	4.4	3
2344	The on-site quality-assurance system for Hyper Suprime-Cam: OSQAH. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	156
2345	Detectability of Galactic Faraday Rotation in multiwavelength CMB observations. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4795-4804.	4.4	0
2346	The infrared luminosity function of AKARI 90 μm galaxies in the local Universe. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5363-5371.	4.4	9
2347	Constraining the		

#	Article	IF	CITATIONS
2352	A Gaia DR2 Mock Stellar Catalog. Publications of the Astronomical Society of the Pacific, 2018, 130, 074101.	3.1	46
2353	The part and the whole: voids, supervoids, and their ISW imprint. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1777-1790.	4.4	23
2354	Integrated Sachs-Wolfe map reconstruction in the presence of systematic errors. Physical Review D, 2018, 97, .	4.7	9
2355	Impact of Lyman alpha pressure on metal-poor dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4617-4635.	4.4	35
2356	Extracting cosmological information from the angular power spectrum of the 2MASS Photometric Redshift catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1050-1070.	4.4	21
2357	A challenge to identify an optical counterpart of the gravitational wave event GW151226 with Hyper Suprime-Cam. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	10
2358	Three-dimensional heuristic radiation transfer method based on enumeration using the directions grid. Astronomy and Computing, 2018, 24, 104-116.	1.7	5
2359	Comment on "Characterizing the population of pulsars in the Galactic bulge with the Fermi large area telescope―[arXiv:1705.00009v1]. Physics of the Dark Universe, 2018, 20, 88-94.	4.9	15
2360	Correlations between age, kinematics, and chemistry as seen by the RAVE survey. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5612-5624.	4.4	13
2361	Mitigating Complex Dust Foregrounds in Future Cosmic Microwave Background Polarization Experiments. Astrophysical Journal, 2018, 853, 127.	4.5	35
2362	Galactic reddening in 3D from stellar photometry – an improved map. Monthly Notices of the Royal Astronomical Society, 2018, 478, 651-666.	4.4	337
2363	The correspondence between convergence peaks from weak lensing and massive dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2987-2998.	4.4	11
2364	Constraints on the diffuse high-energy neutrino flux from the third flight of ANITA. Physical Review D, 2018, 98, .	4.7	53
2365	Dark Energy Survey Year-1 results: galaxy mock catalogues for BAO. Monthly Notices of the Royal Astronomical Society, 2018, 479, 94-110.	4.4	25
2366	Synthetic observations of star formation and the interstellar medium. New Astronomy Reviews, 2018, 82, 1-58.	12.8	26
2367	Optical corral using a standing-wave Bessel beam. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1910.	2.1	6
2368	A spherical harmonic analysis of the Ooty Wide Field Array (OWFA) visibility signal. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2915-2926.	4.4	4
2369	Multiple Sound Source Localization With Steered Response Power Density and Hierarchical Grid Refinement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 2215-2229.	5.8	21

#	Article	IF	CITATIONS
2370	Constraining Gravity at Large Scales with the 2MASS Photometric Redshift Catalog and Planck Lensing. Astrophysical Journal, 2018, 862, 81.	4.5	15
2371	Evidence of a truncated spectrum in the angular correlation function of the cosmic microwave background. Astronomy and Astrophysics, 2018, 610, A87.	5.1	28
2372	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. Monthly Notices of the Royal Astronomical Society, 2018, 478, 692-702.	4.4	51
2373	On the effect of projections on convergence peak counts and Minkowski functionals. Astronomy and Computing, 2018, 24, 84-96.	1.7	4
2374	The Local Bubble: a magnetic veil to our Galaxy. Astronomy and Astrophysics, 2018, 611, L5.	5.1	41
2375	Characterising open clusters in the solar neighbourhood with the <i>Tycho-Gaia</i> Astrometric Solution. Astronomy and Astrophysics, 2018, 615, A49.	5.1	55
2376	Coincident Detection Significance in Multimessenger Astronomy. Astrophysical Journal, 2018, 860, 6.	4.5	27
2377	Computational modeling of crystallographic texture evolution over cubochoric space. Modelling and Simulation in Materials Science and Engineering, 2018, 26, 065012.	2.0	2
2378	Density split statistics: Joint model of counts and lensing in cells. Physical Review D, 2018, 98, .	4.7	59
2379	Tree-based solvers for adaptive mesh refinement code flash $\hat{a}\in$ I: gravity and optical depths. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3393-3418.	4.4	58
2380	What the MilkyÂWay's dwarfs tell us about the Galactic Center extended gamma-ray excess. Physical Review D, 2018, 97, .	4.7	10
2381	Fast generation of isotropic Gaussian random fields on the sphere. Monte Carlo Methods and Applications, 2018, 24, 1-11.	0.8	16
2382	Compactified cosmological simulations of the infinite universe. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1949-1957.	4.4	4
2383	Toward the ICRF3: Astrometric Comparison of the USNO 2016A VLBI Solution with ICRF2 and Gaia DR1. Astronomical Journal, 2018, 155, 229.	4.7	11
2384	Null-stream analysis of Pulsar Timing Array data: localization of resolvable gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5447-5459.	4.4	8
2385	Impact of simulated $1/f$ noise for HI intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2416-2437.	4.4	36
2386	A design for a dynamic biomimetic sonarhead inspired by horseshoe bats. Bioinspiration and Biomimetics, 2018, 13, 046011.	2.9	3
2387	Stellar Streams Discovered in the Dark Energy Survey. Astrophysical Journal, 2018, 862, 114.	4.5	193

#	Article	IF	CITATIONS
2388	A Coincidence Search for Cosmic Neutrino and Gamma-Ray Emitting Sources Using IceCube and Fermi-LAT Public Data. Astrophysical Journal, 2018, 863, 64.	4.5	15
2389	Parametrizing the Reionization History with the Redshift Midpoint, Duration, and Asymmetry. Astrophysical Journal Letters, 2018, 858, L11.	8.3	8
2390	Measuring currents, ice drift, and waves from space: the Sea surface KInematics Multiscale monitoring (SKIM) concept. Ocean Science, 2018, 14, 337-354.	3.4	87
2391	One-point fluctuation analysis of IceCube neutrino events outlines a significant unassociated isotropic component and constrains the Galactic contribution. Physical Review D, 2018, 97, .	4.7	5
2392	Snake in the Clouds: a new nearby dwarf galaxy in the Magellanic bridge*. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5343-5361.	4.4	84
2393	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. Physical Review D, 2018, 98, .	4.7	412
2394	Lensing reconstruction in post-Born cosmic microwave background weak lensing. Physical Review D, 2018, 98, .	4.7	34
2395	Covariance of CMB anomalies. Physical Review D, 2018, 98, .	4.7	25
2396	Cosmic shear calibration with forward modeling. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 007-007.	5.4	8
2397	Analyzing the gamma-ray sky with wavelets. Physical Review D, 2018, 98, .	4.7	16
2398	The evens and odds of CMB anomalies. Physics of the Dark Universe, 2018, 20, 49-64.	4.9	27
2399	Observing small-scale \hat{I}^3 -ray anisotropies with the Cherenkov Telescope Array. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 032-032.	5.4	7
2400	Exploring simulated early star formation in the context of the ultrafaint dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4868-4880.	4.4	16
2401	Euclid pointing performance: operations for the Fine Guidance Sensor reference star catalogue. , 2018, , .		3
2402	A 3D model of polarized dust emission in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1310-1330.	4.4	21
2403	Detecting electron density fluctuations from cosmic microwave background polarization using a bispectrum approach. Physical Review D, 2018, 97, .	4.7	4
2404	Fast algorithm for the computation of the CMB polarization TE power spectrum using non-circular beam. New Astronomy, 2018, 64, 44-60.	1.8	0
2405	SHTools: Tools for Working with Spherical Harmonics. Geochemistry, Geophysics, Geosystems, 2018, 19, 2574-2592.	2.5	155

#	ARTICLE	IF	Citations
2406	DES science portal: Creating science-ready catalogs. Astronomy and Computing, 2018, 24, 52-69.	1.7	5
2407	ESASky: A science-driven discovery portal for space-based astronomy missions. Astronomy and Computing, 2018, 24, 97-103.	1.7	10
2408	Looking at cosmic near-infrared background radiation anisotropies. Reviews of Modern Physics, 2018, 90, .	45.6	45
2409	Detection of intercluster gas in superclusters using the thermal Sunyaev–Zel'dovich effect. Astronomy and Astrophysics, 2019, 625, A67.	5.1	31
2410	Fast likelihood-free cosmology with neural density estimators and active learning. Monthly Notices of the Royal Astronomical Society, $0, \dots$	4.4	78
2411	Searching for dark matter sub-structure with HAWC. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 022-022.	5.4	9
2412	Explicit Bayesian treatment of unknown foreground contaminations in galaxy surveys. Astronomy and Astrophysics, 2019, 624, A115.	5.1	16
2413	Consistency of CMB experiments beyond cosmic variance. Physical Review D, 2019, 100, .	4.7	3
2414	Dark Energy Survey Year 1 Results: Cross-correlation between Dark Energy Survey Y1 galaxy weak lensing and South Pole Telescope <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mi></mml:mi><mml:mi><mml:mi><mml:mi><mml:mi> CMB weak lensing. Physical Review D, 2019, 100, .</mml:mi></mml:mi></mml:mi></mml:mi></mml:mrow></mml:mrow></mml:math>	ıml:mi>a<	/ 22 /mml:mi> <m< td=""></m<>
2415	Searching for patchy reionization from cosmic microwave background with hybrid quadratic estimators. Physical Review D, 2019, 99, .	4.7	7
2416	StePS: A multi-GPU cosmological N-body Code for compactified simulations. Astronomy and Computing, 2019, 28, 100303.	1.7	3
2417	Dark Energy Survey Year 1 Results: Tomographic cross-correlations between Dark Energy Survey galaxies and CMB lensing from South Pole <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mro< td=""><td>4.7 /mml:mrov</td><td>35 w></td></mml:mro<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:math>	4.7 /mml:mrov	35 w>
2418	Recent results and perspectives on cosmic backgrounds from radio to far-infrared. International Journal of Modern Physics D, 2019, 28, 1930021.	2.1	0
2419	Bias and scatter in the Hubble diagram from cosmological large-scale structure. Physical Review D, 2019, 100, .	4.7	34
2420	Characterizing bias on large scale CMB <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -modes after Galactic foregrounds cleaning. Physical Review D, 2019, 99, .	4.7	23
2421	Multiple Sound Source Localization with Rigid Spherical Microphone Arrays via Residual Energy Test. , 2019, , .		4
2422	Fast generation of covariance matrices for weak lensing. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 044-044.	5.4	18
2423	Taller in the saddle: constraining CMB physics using saddle points. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 031-031.	5.4	2

#	Article	IF	CITATIONS
2424	Consistency of cosmic microwave background temperature measurements in three frequency bands in the 2500-square-degree SPT-SZ survey. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 038-038.	5.4	7
2425	Gas and Dust Properties in the Chamaeleon Molecular Cloud Complex Based on the Optically Thick H i. Astrophysical Journal, 2019, 878, 131.	4.5	9
2426	Cosmic-Ray Propagation in Light of the Recent Observation of Geminga. Astrophysical Journal, 2019, 879, 91.	4.5	35
2427	Extreme digitization for ground-based cosmic microwave background experiments. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3279-3287.	4.4	0
2428	Black hole obscuration and duty-cycles mediated by AGN feedback in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 487, 819-831.	4.4	29
2429	Statistical properties of polarized CMB foreground maps. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5814-5823.	4.4	6
2430	Galaxies in X-ray selected clusters and groups in Dark Energy Survey data – II. Hierarchical Bayesian modelling of the red-sequence galaxy luminosity function. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1-17.	4.4	8
2431	Contribution of Radio Halos to the Foreground for SKA EoR Experiments. Astrophysical Journal, 2019, 879, 104.	4.5	10
2432	Assessing continuous sensory information encoding capacity by a biomimetic dynamic sonar emitter. Bioinspiration and Biomimetics, 2019, 14, 056003.	2.9	1
2433	The CMB angular power spectrum via component separation: a study on <i>Planck</i> data. Astronomy and Astrophysics, 2019, 624, A67.	5.1	1
2434	Broadband Intensity Tomography: Spectral Tagging of the Cosmic UV Background. Astrophysical Journal, 2019, 877, 150.	4.5	20
2435	The distinct stellar metallicity populations of simulated Local Group dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2312-2331.	4.4	22
2436	Number Counts, Confusion, Mapping Issues, and Sky Coverage Analysis for Radio Continuum Surveys through Emu Early Science, EMU-ASKAP, and WODAN Especially for Cosmology Science Goals. Astronomy Reports, 2019, 63, 515-526.	0.9	0
2437	Cosmic shear: Inference from forward models. Physical Review D, 2019, 100, .	4.7	28
2438	The FHD/ \hat{l} µppsilon Epoch of Reionisation power spectrum pipeline. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	34
2439	A Large Catalog of Accurate Distances to Local Molecular Clouds: The Gaia DR2 Edition. Astrophysical Journal, 2019, 879, 125.	4.5	183
2440	Models and Simulations for the Photometric LSST Astronomical Time Series Classification Challenge (PLAsTiCC). Publications of the Astronomical Society of the Pacific, 2019, 131, 094501.	3.1	85
2441	Cosmic ray acceleration to ultrahigh energy in radio galaxies. EPJ Web of Conferences, 2019, 210, 04002.	0.3	5

#	Article	IF	CITATIONS
2442	Seeing the halo rotation of nearby spiral galaxies using Planck data. Arabian Journal of Mathematics, 2019, 8, 193-199.	0.9	5
2443	Astronomical data fusion: recent progress and future prospects â€" a survey. Experimental Astronomy, 2019, 47, 359-380.	3.7	4
2444	Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4866-4883.	4.4	109
2445	Search for line-like signals in the all-sky Fermi-LAT data. Physical Review D, 2019, 99, .	4.7	6
2446	The Extremely Luminous Quasar Survey in the Pan-STARRS 1 Footprint (PS-ELQS). Astrophysical Journal, Supplement Series, 2019, 243, 5.	7.7	22
2447	Global Distribution of Far-ultraviolet Emissions from Highly Ionized Gas in the Milky Way. Astrophysical Journal, Supplement Series, 2019, 243, 9.	7.7	4
2448	Fundamental uncertainty levels of 21Âcm power spectra from a delay analysis. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5840-5853.	4.4	14
2449	Physical Bayesian modelling of the non-linear matter distribution: New insights into the nearby universe. Astronomy and Astrophysics, 2019, 625, A64.	5.1	83
2450	Metrics for next-generation gravitational-wave detectors. Classical and Quantum Gravity, 2019, 36, 225002.	4.0	68
2451	Integral constraints in spectroscopic surveys. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 036-036.	5.4	43
2452	All-sky angular power spectra from cleaned WISE×SuperCOSMOS galaxy number counts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 037-037.	5.4	2
2453	Testing the cosmological principle in the radio sky. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 025-025.	5.4	10
2454	Forecasting super-sample covariance in future weak lensing surveys with SuperSCRAM. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	5.4	5
2455	Efficient optimal reconstruction of linear fields and band-powers from cosmological data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 035-035.	5.4	20
2456	Localization of binary black hole mergers with known inclination. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4459-4463.	4.4	14
2457	Environmental effects on halo abundance and weak lensing peak statistics towards large underdense regions. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5811-5822.	4.4	5
2458	Random Spherical Hyperbolic Diffusion. Journal of Statistical Physics, 2019, 177, 889-916.	1.2	21
2459	Impact of foregrounds on H i intensity mapping cross-correlations with optical surveys. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5452-5472.	4.4	35

#	ARTICLE	IF	CITATIONS
2460	Halo concentration, galaxy red fraction, and gas properties of optically defined merging clusters. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	22
2461	Simultaneous determination of the cosmic birefringence and miscalibrated polarization angles from CMB experiments. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	52
2462	Unidentified gamma-ray sources as targets for indirect dark matter detection with the <i>Fermi / i>-Large Area Telescope. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 020-020.</i>	5.4	27
2463	Joint Bayesian analysis of large angular scale CMB temperature anomalies. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 007-007.	5.4	12
2464	Hunting for the Dark Matter Wake Induced by the Large Magellanic Cloud. Astrophysical Journal, 2019, 884, 51.	4.5	111
2465	A Simplified, Lossless Reanalysis of PAPER-64. Astrophysical Journal, 2019, 883, 133.	4.5	97
2466	Sparse Bayesian mass mapping with uncertainties: peak statistics and feature locations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3236-3250.	4.4	5
2467	The C-Band All-Sky Survey (C-BASS): Simulated parametric fitting in single pixels in total intensity and polarization. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2958-2975.	4.4	4
2468	Testing for directionality in the Planck polarization and lensing data. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3404-3413.	4.4	1
2469	Wiener filtering and pure \$mathcal {E}/mathcal {B}\$ decomposition of CMB maps with anisotropic correlated noise. Monthly Notices of the Royal Astronomical Society, 2019, 490, 947-961.	4.4	10
2470	The mass–richness relation of optically selected clusters from weak gravitational lensing and abundance with Subaru HSC first-year data. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	54
2471	Exploring Reionization-era Quasars. III. Discovery of 16 Quasars at 6.4Â≲ÂzÂ≲Â6.9 with DESI Legacy Imagir Surveys and the UKIRT Hemisphere Survey and Quasar Luminosity Function at zÂâ°¼Â6.7. Astrophysical Journal, 2019, 884, 30.	າg 4.5	114
2472	SIXTE: a generic X-ray instrument simulation toolkit. Astronomy and Astrophysics, 2019, 630, A66.	5.1	58
2473	unWISE Coadds: The Five-year Data Set. Publications of the Astronomical Society of the Pacific, 2019, 131, 124504.	3.1	40
2474	A numerical investigation on the highâ€frequency geometry of spherical random eigenfunctions. High Frequency, 2019, 2, 184-201.	0.7	0
2475	Cleaning radio interferometric images using a spherical wavelet decomposition. Astronomy and Computing, 2019, 29, 100327.	1.7	О
2476	Density Conversion between 1D and 3D Stellar Models with ^{1D} MESA2HYDRO ^{3D} . Astrophysical Journal, 2019, 882, 63.	4.5	6
2477	Micrometeoroid Events in LISA Pathfinder. Astrophysical Journal, 2019, 883, 53.	4.5	15

#	Article	IF	CITATIONS
2478	Improving the Epoch of Reionization Power Spectrum Results from Murchison Widefield Array Season 1 Observations. Astrophysical Journal, 2019, 884, 1.	4.5	92
2479	From threeâ€dimensional morphology to effective diffusivity in filamentous fungal pellets. Biotechnology and Bioengineering, 2019, 116, 3360-3371.	3.3	26
2480	Producing a BOSS CMASS sample with DES imaging. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2887-2906.	4.4	19
2481	Dust Polarization Maps from TIGRESS: E/B Power Asymmetry and TE Correlation. Astrophysical Journal, 2019, 880, 106.	4.5	29
2482	sitoolbox: A package for Bayesian estimation of the isotropy violation in the CMB sky. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5889-5899.	4.4	1
2483	Large angular scale fluctuations of near-infrared extragalactic background light based on the IRTS observations. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	8
2484	A New Equal-area Isolatitudinal Grid on a Spherical Surface. Astronomical Journal, 2019, 158, 158.	4.7	12
2485	From Supernova to Supernova Remnant: The Three-dimensional Imprint of a Thermonuclear Explosion. Astrophysical Journal, 2019, 877, 136.	4.5	37
2486	The Borg Cube Simulation: Cosmological Hydrodynamics with CRK-SPH. Astrophysical Journal, 2019, 877, 85.	4.5	14
2487	A Search for Cosmic-Ray Proton Anisotropy with the Fermi Large Area Telescope. Astrophysical Journal, 2019, 883, 33.	4.5	9
2488	Modeling UV Radiation Feedback from Massive Stars. III. Escape of Radiation from Star-forming Giant Molecular Clouds. Astrophysical Journal, 2019, 883, 102.	4.5	37
2489	Mitigating Internal Instrument Coupling for 21 cm Cosmology. I. Temporal and Spectral Modeling in Simulations. Astrophysical Journal, 2019, 884, 105.	4.5	42
2490	Earth as an Exoplanet: A Two-dimensional Alien Map. Astrophysical Journal Letters, 2019, 882, L1.	8.3	27
2491	How does an incomplete sky coverage affect the Hubble Constant variance?. European Physical Journal C, 2019, 79, 1.	3.9	17
2492	Prospects of detecting a large-scale anisotropy of ultra-high-energy cosmic rays from a nearby source with the K-EUSO orbital telescope. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 034-034.	5.4	3
2493	General solutions of the leakage in integral transforms and applications to the EB-leakage and detection of the cosmological gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 001-001.	5.4	4
2494	Improved limits on a stochastic gravitational-wave background and its anisotropies from Advanced LIGO O1 and O2 runs. Physical Review D, 2019, 100, .	4.7	30
2495	Construction of Overcomplete Multiscale Dictionary of Slepian Functions on the Sphere., 2019, , .		1

#	Article	IF	CITATIONS
2496	Cosmological constraints from Planck galaxy clusters with CMB lensing mass bias calibration. Monthly Notices of the Royal Astronomical Society, 2019, 489, 401-419.	4.4	56
2497	New approach for pixelization of big astronomical data for machine vision purpose. , 2019, , .		13
2498	Angular power spectrum of heavy ion collisions. Physical Review C, 2019, 99, .	2.9	1
2499	Search for steady point-like sources in the astrophysical muon neutrino flux with 8 years of IceCube data. European Physical Journal C, 2019, 79, 1.	3.9	75
2500	Power spectrum modelling of galaxy and radio intensity maps including observational effects. Monthly Notices of the Royal Astronomical Society, 2019, 489, 153-167.	4.4	21
2501	Latest Cosmic Ray Results from IceTop and IceCube. EPJ Web of Conferences, 2019, 210, 03005.	0.3	2
2502	Prospects of testing an UHECR single source class model with the K-EUSO orbital telescope. EPJ Web of Conferences, 2019, 210, 06011.	0.3	0
2503	ISW in \hat{b} CDM or something else?. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2732-2742.	4.4	2
2504	Fast radio burst dispersion measures and rotation measures and the origin of intergalactic magnetic fields. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4220-4238.	4.4	27
2505	Rotating baryonic dark halos. Astronomy and Astrophysics, 2019, 629, A87.	5.1	6
2506	S-band Polarization All-Sky Survey (S-PASS): survey description and maps. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2330-2354.	4.4	46
2507	Point source detection and false discovery rate control on CMB maps. Astronomy and Computing, 2019, 28, 100310.	1.7	6
2508	Gas inflow and star formation near supermassive black holes: the role of nuclear activity. Monthly Notices of the Royal Astronomical Society, 2019, 489, 52-77.	4.4	2
2509	A search for cosmological anisotropy using the Lyman alpha forest from SDSS quasar spectra. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3966-3980.	4.4	3
2510	Magnetostriction in magnetic gels and elastomers as a function of the internal structure and particle distribution. Journal of Chemical Physics, 2019, 151, 114906.	3.0	26
2511	On the isolatitude property of the rHEALPix Discrete Global Grid System. Big Earth Data, 2019, 3, 362-377.	4.4	2
2512	Cosmological constraints with deep learning from KiDS-450 weak lensing maps. Physical Review D, 2019, 100, .	4.7	87
2513	The geometry of the magnetic field in the central molecular zone measured by PILOT. Astronomy and Astrophysics, 2019, 630, A74.	5.1	18

#	Article	IF	CITATIONS
2514	Analysing billion-objects catalogue interactively: Apache Spark for physicists. Astronomy and Computing, 2019, 28, 100305.	1.7	7
2515	Constraining Baryons in the M31 galactic halo by Planck data. International Journal of Modern Physics D, 2019, 28, 1950088.	2.1	8
2516	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2019, 621, A144.	5.1	94
2517	Covariant polarized radiative transfer on cosmological scales for investigating large-scale magnetic field structures. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1427-1455.	4.4	7
2518	Extragalactic Imprints in Galactic Dust Maps. Astrophysical Journal, 2019, 870, 120.	4.5	29
2519	A Faint Halo Star Cluster Discovered in the Blanco Imaging of the Southern Sky Survey. Astrophysical Journal, 2019, 875, 154.	4.5	21
2520	A high-resolution self-consistent whole sky foreground model. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	8
2521	Magnetic fields in the solar vicinity and in the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4275-4289.	4.4	26
2522	Full-sky beam convolution for cosmic microwave background applications. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5448-5467.	4.4	9
2523	Probing galaxy cluster and intra-cluster gas with luminous red galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4904-4916.	4.4	3
2524	Anisotropy of the Universe via the Pantheon supernovae sample revisited. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5679-5689.	4.4	34
2525	Heating of the Intergalactic Medium by Hydrogen Reionization. Astrophysical Journal, 2019, 874, 154.	4.5	47
2526	Self-consistent redshift estimation using correlation functions without a spectroscopic reference sample. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3642-3660.	4.4	5
2527	Collaborative virtual reality platform for visualizing space data and mission planning. Multimedia Tools and Applications, 2019, 78, 33191-33220.	3.9	17
2528	Large Angular-scale Multipoles at RedshiftÂâ^1⁄4Â0.8. Astrophysical Journal, 2019, 878, 32.	4.5	20
2529	Dark Energy Survey Year 1 results: measurement of the galaxy angular power spectrum. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3870-3883.	4.4	21
2530	Is the local Hubble flow consistent with concordance cosmology?. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 001-001.	5.4	2
2531	On-sky Performance of the CLASS Q-band Telescope. Astrophysical Journal, 2019, 876, 126.	4.5	16

#	Article	IF	CITATIONS
2532	Demonstration of Magnetic Field Tomography with Starlight Polarization toward a Diffuse Sightline of the ISM. Astrophysical Journal, 2019, 872, 56.	4.5	26
2533	Understanding the escape of LyC and Lyα photons from turbulent clouds. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2215-2237.	4.4	80
2534	ComPRASS: a Combined <i>Planck</i> -RASS catalogue of X-ray-SZ clusters. Astronomy and Astrophysics, 2019, 626, A7.	5.1	14
2535	Stepwise Homogeneous Melting of Benzene Phase I at High Pressure. Crystals, 2019, 9, 279.	2.2	2
2536	Fermi-GBM GRBs with Characteristics Similar to GRB 170817A. Astrophysical Journal, 2019, 876, 89.	4.5	24
2537	The first multidimensional view of mass loss from externally FUV irradiated protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3895-3908.	4.4	38
2538	Polarisation as a tracer of CMB anomalies: Planck results and future forecasts. Physics of the Dark Universe, 2019, 26, 100327.	4.9	5
2539	On the amplitude and Stokes parameters of a stochastic gravitational-wave background. Monthly Notices of the Royal Astronomical Society, 2019, 487, 562-579.	4.4	18
2540	Large covariance matrices: accurate models without mocks. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2701-2717.	4.4	15
2541	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. Astronomical Journal, 2019, 158, 16.	4.7	16
2542	Determination of the Cosmic Infrared Background from COBE/FIRAS and Planck HFI Observations. Astrophysical Journal, 2019, 877, 40.	4.5	15
2543	Building the Evryscope: Hardware Design and Performance. Publications of the Astronomical Society of the Pacific, 2019, 131, 075001.	3.1	28
2544	ARC: adaptive ray-tracing with CUDA, a new ray tracing code for parallel GPUs. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1582-1598.	4.4	2
2545	Structure and dynamics in low-density regions: galaxy–galaxy correlations inside cosmic voids. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4070-4079.	4.4	7
2546	CNNs Based Viewpoint Estimation for Volume Visualization. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-22.	4.5	13
2547	Introducing constrained matched filters for improved separation of point sources from galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1988-1999.	4.4	7
2548	Intensity-coupled Polarization in Instruments with a Continuously Rotating Half-wave Plate. Astrophysical Journal, 2019, 876, 54.	4.5	2
2549	Testing the standard model of cosmology with the SKA: the cosmic radio dipole. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1350-1357.	4.4	20

#	Article	IF	CITATIONS
2550	Signature of the first galaxies in JWST deep field observations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5939-5950.	4.4	17
2551	Non-equilibrium chemistry and destruction of CO by X-ray flares. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1094-1122.	4.4	21
2552	From top-hat masking to smooth transitions: P-filter and its application to polarized microwave sky maps. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 003-003.	5.4	1
2553	The remnant radio galaxy associated with NGC 1534. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	14
2554	$\langle scp \rangle trevr \langle scp \rangle$: A general $\langle i \rangle N \langle i \rangle log 2 \langle i \rangle N \langle i \rangle radiative transfer algorithm. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3681-3695.$	4.4	8
2555	Mock galaxy shape catalogues in the Subaru Hyper Suprime-Cam Survey. Monthly Notices of the Royal Astronomical Society, 2019, 486, 52-69.	4.4	27
2556	Angular clustering of point sources at 150ÂMHz in the TGSS survey. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5891-5896.	4.4	12
2557	The linear bias of radio galaxies at <i>z</i> Ââ‰Â0.3 via cosmic microwave background lensing. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L1-L5.	3.3	1
2558	Probabilistic Cross-identification of Multiple Catalogs in Crowded Fields. Astrophysical Journal, 2019, 870, 51.	4.5	7
2559	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. Astrophysical Journal, 2019, 872, 170.	4.5	28
2560	Results from EDGES High-Band. III. New Constraints on Parameters of the Early Universe. Astrophysical Journal, 2019, 875, 67.	4.5	49
2561	Optical Follow-up of Gravitational-wave Events during the Second Advanced LIGO/VIRGO Observing Run with the DLT40 Survey. Astrophysical Journal, 2019, 875, 59.	4.5	18
2562	The Halo Mass of Optically Luminous Quasars at zÂâ‰^Â1–2 Measured via Gravitational Deflection of the Cosmic Microwave Background. Astrophysical Journal, 2019, 874, 85.	4.5	15
2563	Covariances for cosmic shear and galaxy–galaxy lensing in the response approach. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4253-4277.	4.4	16
2564	Simulating the atomic and molecular content of molecular clouds using probability distributions of physical parameters. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	19
2565	Probing the missing baryons with the Sunyaev-Zel'dovich effect from filaments. Astronomy and Astrophysics, 2019, 624, A48.	5.1	100
2566	Study of systematics effects on the cross power spectrum of 21 cm line and cosmic microwave background using Murchison Widefield Array data. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2697-2711.	4.4	3
2567	Correcting for fibre assignment incompleteness in the DESI Bright Galaxy Survey. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1285-1300.	4.4	19

#	Article	IF	CITATIONS
2568	DeepSphere: Efficient spherical convolutional neural network with HEALPix sampling for cosmological applications. Astronomy and Computing, 2019, 27, 130-146.	1.7	96
2569	Deflections of UHECRs in the Galactic magnetic field. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	5.4	23
2570	Ephemeris Errors and the Gravitational-wave Signal: Harmonic Mode Coupling in Pulsar Timing Array Searches. Astrophysical Journal, 2019, 876, 55.	4.5	13
2571	The TORUS radiation transfer code. Astronomy and Computing, 2019, 27, 63-95.	1.7	37
2572	Measuring the ISW effect with next-generation radio surveys. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1339-1349.	4.4	15
2573	A Geographic Meshing and Coding Method Based on Adaptive Hilbert-Geohash. IEEE Access, 2019, 7, 39815-39825.	4.2	18
2574	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. Astrophysical Journal, Supplement Series, 2019, 241, 27.	7.7	526
2575	The Splashback Radius of Planck SZ Clusters*. Astrophysical Journal, 2019, 874, 184.	4.5	40
2576	The interplay of dynamic topography and eustasy on continental flooding in the late Paleozoic. Tectonophysics, 2019, 761, 108-121.	2.2	22
2577	Presto-Color: A Photometric Survey Cadence for Explosive Physics and Fast Transients. Publications of the Astronomical Society of the Pacific, 2019, 131, 068002.	3.1	14
2578	Delta-map method of removing CMB foregrounds with spatially varying spectra. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	14
2579	A Virtual Globe Using a Discrete Global Grid System to Illustrate the Modifiable Areal Unit Problem. Cartographica, 2019, 54, 51-62.	0.4	3
2580	Blind correction of the EB-leakage in the pixel domain. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	5.4	11
2581	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary–Black-hole Merger GW170814. Astrophysical Journal Letters, 2019, 876, L7.	8.3	179
2582	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5 . 4	741
2583	A Framework for Telescope Schedulers: With Applications to the Large Synoptic Survey Telescope. Astronomical Journal, 2019, 157, 151.	4.7	24
2584	Anisotropies in the Astrophysical Gravitational-Wave Background: The Impact of Black Hole Distributions. Physical Review Letters, 2019, 122, 111101.	7.8	43
2585	Implications on spatial models of interstellar gamma-ray inverse-Compton emission from synchrotron emission studies in radio and microwaves. Physical Review D, 2019, 99, .	4.7	10

#	Article	IF	Citations
2586	Cosmological measurements from angular power spectra analysis of BOSS DR12 tomography. Monthly Notices of the Royal Astronomical Society, 2019, 485, 326-355.	4.4	44
2587	Gravitational-Wave Background Sky Maps from Advanced LIGO O1 Data. Physical Review Letters, 2019, 122, 081102.	7.8	21
2588	Reconstructing small-scale lenses from the cosmic microwave background temperature fluctuations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3919-3929.	4.4	16
2589	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. Astrophysical Journal, 2019, 871, 96.	4.5	32
2590	NIFT <scp>y</scp> Â3 – Numerical Information Field Theory: A Python Framework for Multicomponent Signal Inference on HPC Clusters. Annalen Der Physik, 2019, 531, 1800290.	2.4	13
2591	Three-dimensional interstellar dust reddening maps of the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4277-4289.	4.4	106
2592	Percent-Level Test of Isotropic Expansion Using Type Ia Supernovae. Physical Review Letters, 2019, 122, 091301.	7.8	26
2593	Data driven foreground clustering approach to component separation in multifrequency CMB experiments: a new Planck CMB map. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 039-039.	5.4	6
2594	starry: Analytic Occultation Light Curves. Astronomical Journal, 2019, 157, 64.	4.7	199
2595	Broadband Spectral Energy Distributions of SDSS-selected Quasars and of Their Host Galaxies: Intense Activity at the Onset of AGN Feedback. Astrophysical Journal, 2019, 871, 136.	4.5	14
2596	Octahedron-based Projections as Intermediate Representations for Computer Imaging: TOAST, TEA, and More. Astrophysical Journal, Supplement Series, 2019, 240, 22.	7.7	0
2597	Numerical models for the diffuse ionized gas in galaxies. Astronomy and Astrophysics, 2019, 622, A115.	5.1	11
2598	Search for anomalous alignments of structures in Planck data using Minkowski Tensors. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 009-009.	5.4	17
2599	Angular power spectrum analysis on current and future high-energy neutrino data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 002-002.	5.4	11
2600	On the measurement of the helicity of intergalactic magnetic fields using ultra-high-energy cosmic rays. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 011-011.	5.4	8
2601	Probing gravity with a joint analysis of galaxy and CMB lensing and SDSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 482, 785-806.	4.4	27
2602	The star formation rate and stellar content contributions of morphological components in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 744-766.	4.4	47
2603	More out of less: an excess integrated Sachs–Wolfe signal from supervoids mapped out by the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5267-5277.	4.4	42

#	Article	IF	CITATIONS
2604	21 cm Signal Recovery via Robust Principal Component Analysis. Astronomical Journal, 2019, 157, 4.	4.7	12
2605	Filling in the Quasar Redshift Gap at zÂâ^1/4Â5.5. II. A Complete Survey of Luminous Quasars in the Post-reionization Universe. Astrophysical Journal, 2019, 871, 199.	4.5	25
2606	The Extremely Luminous Quasar Survey in the Sloan Digital Sky Survey Footprint. III. The South Galactic Cap Sample and the Quasar Luminosity Function at Cosmic Noon. Astrophysical Journal, 2019, 871, 258.	4.5	31
2607	Intensity Mapping in the Presence of Foregrounds and Correlated Continuum Emission. Astrophysical Journal, 2019, 872, 82.	4.5	21
2608	A Comparison between Magnetic Field Directions Inferred from Planck and Starlight Polarimetry toward Gould Belt Clouds. Astrophysical Journal Letters, 2019, 871, L15.	8.3	8
2609	Learning sparse representations on the sphere. Astronomy and Astrophysics, 2019, 621, A73.	5.1	1
2610	mcatCS: A Highly Efficient Cross-matching Scheme for Multi-band Astronomical Catalogs. Publications of the Astronomical Society of the Pacific, 2019, 131, 054501.	3.1	4
2611	The C-Band All-Sky Survey (C-BASS): constraining diffuse Galactic radio emission in the North Celestial Pole region. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2844-2860.	4.4	12
2612	Momentum space sampling of neutrinos in N-body simulations. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	5.4	9
2613	An Xâ€ray microtomographyâ€based method for detailed analysis of the threeâ€dimensional morphology of fungal pellets. Biotechnology and Bioengineering, 2019, 116, 1355-1365.	3.3	23
2614	A unified pseudo- <i>C</i> â"" framework. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4127-4151.	4.4	192
2615	The white dwarf luminosity functions from the Pan–STARRS 1 3π Steradian Survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 715-731.	4.4	11
2616	A search for warm/hot gas filaments between pairs of SDSS Luminous Red Galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 223-234.	4.4	90
2617	SILCC-Zoom: The early impact of ionizing radiation on forming molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4062-4083.	4.4	39
2618	Associating host galaxy candidates to massive black hole binaries resolved by pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2019, 485, 248-259.	4.4	9
2619	Impact of nonlinear growth of the large-scale structure on CMB B -mode delensing. Physical Review D, 2019, 99, .	4.7	6
2620	The structure of galactic halos and the microwave temperature maps. International Journal of Modern Physics D, 2019, 28, 2040016.	2.1	2
2621	The Extended Baryon Oscillation Spectroscopic Survey: Measuring the Cross-correlation between the Mg ii Flux Transmission Field and Quasars and Galaxies at zÂ=Â0.59. Astrophysical Journal, 2019, 878, 47.	4.5	19

#	Article	IF	CITATIONS
2622	A geomagnetic filter for the Fermi-LAT background. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5440-5450.	4.4	1
2623	Large-scale Maps of the Cosmic Infrared Background from Planck. Astrophysical Journal, 2019, 883, 75.	4.5	37
2624	CosmoDC2: A Synthetic Sky Catalog for Dark Energy Science with LSST. Astrophysical Journal, Supplement Series, 2019, 245, 26.	7.7	67
2625	Computing RMS and Integrated Array Sidelobes. , 2019, , .		3
2626	Optical validation and characterization of <i>Planck</i> PSZ2 sources at the Canary Islands observatories. Astronomy and Astrophysics, 2019, 628, A13.	5.1	7
2627	Link between <i>E</i> – <i>B</i> polarization modes and gas column density from interstellar dust emission. Astronomy and Astrophysics, 2019, 632, A17.	5.1	8
2628	Spectral imaging of the thermal Sunyaev–Zel'dovich effect in X-COP galaxy clusters: method and validation. Astronomy and Astrophysics, 2019, 630, A121.	5.1	4
2629	Optical validation and characterization of <i>Planck</i> PSZ2 sources at the Canary Islands observatories. Astronomy and Astrophysics, 2019, 631, A148.	5.1	9
2630	Cosmological-scale coherent orientations of quasar optical polarization vectors in the <i>Planck </i> era. Astronomy and Astrophysics, 2019, 622, A145.	5.1	10
2631	A 3D Dust Map Based on Gaia, Pan-STARRS 1, and 2MASS. Astrophysical Journal, 2019, 887, 93.	4.5	681
2632	SRoll2: an improved mapmaking approach to reduce large-scale systematic effects in the <i>Planck</i> High Frequency Instrument legacy maps. Astronomy and Astrophysics, 2019, 629, A38.	5.1	33
2633	Highlights from HAWC. EPJ Web of Conferences, 2019, 208, 14001.	0.3	3
2634	First detection of a virial shock with SZ data: implication for the mass accretion rate of Abell 2319. Astronomy and Astrophysics, 2019, 622, A136.	5.1	20
2635	Second AGILE catalogue of gamma-ray sources. Astronomy and Astrophysics, 2019, 627, A13.	5.1	24
2636	Selection functions of large spectroscopic surveys. Astronomy and Astrophysics, 2019, 621, A17.	5.1	12
2637	Systematic effects induced by half-wave plate precession into measurements of the cosmic microwave background polarization. Astronomy and Astrophysics, 2019, 627, A160.	5.1	7
2638	Turbulent power distribution in the local interstellar medium. Astronomy and Astrophysics, 2019, 627, A112.	5.1	11
2639	Convolutional neural networks on the HEALPix sphere: a pixel-based algorithm and its application to CMB data analysis. Astronomy and Astrophysics, 2019, 628, A129.	5.1	28

#	Article	IF	Citations
2640	Baryon acoustic oscillations from the cross-correlation of Ly <i>\hat{l}±</i> absorption and quasars in eBOSS DR14. Astronomy and Astrophysics, 2019, 629, A86.	5.1	176
2641	First measurement of the cross-correlation between CMB weak lensing and X-ray emission. Astronomy and Astrophysics, 2019, 625, L4.	5.1	7
2642	Isotropic non-Gaussian gNL-like toy models that reproduce cosmic microwave background anomalies. Astronomy and Astrophysics, 2019, 626, A13.	5.1	5
2643	Clustering properties of TGSS radio sources. Astronomy and Astrophysics, 2019, 623, A148.	5.1	19
2644	Hard and bright gamma-ray emission at the base of the <i>Fermi</i> bubbles. Astronomy and Astrophysics, 2019, 625, A110.	5.1	17
2645	Ruprecht 147 DANCe. Astronomy and Astrophysics, 2019, 625, A115.	5.1	28
2646	Beam-deconvolved <i>Planck</i> LFI maps. Astronomy and Astrophysics, 2019, 632, A1.	5.1	0
2647	Multi-resolution Bayesian CMB component separation through Wiener filtering with a pseudo-inverse preconditioner. Astronomy and Astrophysics, 2019, 627, A98.	5.1	18
2648	Extreme starlight polarization in a region with highly polarized dust emission. Astronomy and Astrophysics, 2019, 624, L8.	5.1	24
2649	The bispectrum of polarized galactic foregrounds. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	25
2650	Ultra high energy cosmic rays from super-heavy dark matter in the context of large exposure observatories. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 036-036.	5 . 4	11
2651	Predicting dust emission using galactic 21 cm data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 022-022.	5.4	2
2652	Is the lack of power anomaly in the CMB correlated with the orientation of the Galactic plane?. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 052-052.	5.4	4
2653	Large-scale Parallel Design for Cryo-EM Structure Determination on Heterogeneous Many-core Architectures. , 2019, , .		1
2654	Intra-coding of 360-degree images on the sphere. , 2019, , .		3
2655	Estimates of Fast Radio Burst Dispersion Measures from Cosmological Simulations. Astrophysical Journal, 2019, 886, 135.	4.5	26
2656	Baryon acoustic oscillations at $\langle i \rangle z \langle i \rangle = 2.34$ from the correlations of Ly $\langle i \rangle \hat{l} \pm \langle i \rangle$ absorption in eBOSS DR14. Astronomy and Astrophysics, 2019, 629, A85.	5.1	176
2657	Role of dust in the microwave emission of galactic halos. Modern Physics Letters A, 2019, 34, 1950308.	1.2	0

#	ARTICLE	IF	CITATIONS
2658	Local Bubble contribution to the 353-GHz dust polarized emission. Astronomy and Astrophysics, 2019, 631, L11.	5.1	17
2659	Phase-resolved gamma-ray spectroscopy of the Crab pulsar observed by POLAR. Journal of High Energy Astrophysics, 2019, 24, 15-22.	6.7	4
2660	Methods for pixel domain correction of <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi><mml:mi>B</mml:mi></mml:math> leakage. Physical Review D, 2019, 100, .	4.7	14
2661	Estimating the angular power spectrum of the gravitational-wave background in the presence of shot noise. Physical Review D, 2019, 100, .	4.7	34
2662	<pre>cmml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="C:UsersmathangAppDataLocalTempMMLIMG597229255.png" altimg-valign="-3.5" display="inline"><mml:mrow><mml:mi>T</mml:mi><mml:mi>E</mml:mi></mml:mrow> correlation coefficient of <mml:math <="" altimg="C:UsersmathangAppDataLocalTempMMLIMG597229256.png" altimg-valign="-3.5" pre="" xmlns:mml="http://www.w3.org/1998/Math/MathML"></mml:math></pre>	4.7	5
2664	display="inline"> <mml:mi>P</mml:mi> <mml:mi>!</mml:mi> a <mml:mi>n</mml:mi> <mml:mi> <m< td=""><td>c<td>n. 8</td></td></m<></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi>	c <td>n. 8</td>	n. 8
2665	Shot noise in the astrophysical gravitational-wave background. Physical Review D, 2019, 100, .	4.7	36
2666	CMB lensing bispectrum: Assessing analytical predictions against full-sky lensing simulations. Physical Review D, 2019, 99, .	4.7	11
2667	Unexpected topology of the temperature fluctuations in the cosmic microwave background. Astronomy and Astrophysics, 2019, 627, A163.	5.1	24
2668	The AGILE Gamma-Ray observatory: software and pipelines. Experimental Astronomy, 2019, 48, 199-231.	3.7	17
2669	Fermi-LAT Î ³ -Ray Study of the Interstellar Medium and Cosmic Rays in the Chamaeleon Molecular Cloud Complex: A Look at the Dark Gas as Optically Thick H i. Astrophysical Journal, 2019, 884, 130.	4.5	14
2670	Mapping the Magnetic Interstellar Medium in Three Dimensions over the Full Sky with Neutral Hydrogen. Astrophysical Journal, 2019, 887, 136.	4.5	58
2671	Exploring suppressed long-distance correlations as the cause of suppressed large-angle correlations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5174-5181.	4.4	6
2672	Scale-dependent dipolar modulation and the quadrupole-octopole alignment in the CMB temperature. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 053-053.	5.4	6
2673	Disconnected pseudo- <i>C</i> _{â,,"} covariances for projected large-scale structure data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 043-043.	5.4	30
2674	Evidence for anisotropy of cosmic acceleration. Astronomy and Astrophysics, 2019, 631, L13.	5.1	141
2675	An inpainting approach to tackle the kinematic and thermal SZ induced biases in CMB-cluster lensing estimators. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 037-037.	5.4	11
2676	OpenSpace: A System for Astrographics. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	4.4	10

#	Article	IF	CITATIONS
2677	Large- and Medium-scale Anisotropies in the Arrival Directions of Cosmic Rays Observed with KASCADE-Grande. Astrophysical Journal Letters, 2019, 886, L18.	8.3	6
2678	Scale-discretised ridgelet transform on the sphere. , 2019, , .		0
2679	Estimation of the Upper Limit for the Amplitude of the Dipole Anisotropy of the Total Flux of 25-Gev to 1-Tev Cosmic-Ray Electrons and Positrons. Physics of Atomic Nuclei, 2019, 82, 498-502.	0.4	0
2680	Optimal filtering for CMB lensing reconstruction. Physical Review D, 2019, 100, .	4.7	12
2681	A Measurement of the Cosmic Microwave Background Lensing Potential and Power Spectrum from 500 deg ² of SPTpol Temperature and Polarization Data. Astrophysical Journal, 2019, 884, 70.	4.5	71
2682	Stellar mergers as the origin of magnetic massive stars. Nature, 2019, 574, 211-214.	27.8	126
2683	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. Astrophysical Journal, 2019, 886, 98.	4.5	6
2684	Revival of the Dark Matter Hypothesis for the Galactic Center Gamma-Ray Excess. Physical Review Letters, 2019, 123, 241101.	7.8	73
2685	Constraining the Neutron Star Mass–Radius Relation and Dense Matter Equation of State with NICER. II. Emission from Hot Spots on a Rapidly Rotating Neutron Star. Astrophysical Journal Letters, 2019, 887, L26.	8.3	95
2686	An Imprint of the Galactic Magnetic Field in the Diffuse Unpolarized Dust Emission. Astrophysical Journal, 2019, 887, 159.	4.5	14
2687	Joint representation of connectome-scale structural and functional profiles for identification of consistent cortical landmarks in macaque brain. Brain Imaging and Behavior, 2019, 13, 1427-1443.	2.1	3
2688	Fluid demixing kinetics on spherical geometry: power spectrum and Minkowski functional analysis. New Journal of Physics, 2019, 21, 013031.	2.9	3
2689	Dark Energy Survey year 1 results: galaxy sample for BAO measurement. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2807-2822.	4.4	22
2690	Thermodynamics of Adsorption on Graphenic Surfaces from Aqueous Solution. Journal of Chemical Theory and Computation, 2019, 15, 1302-1316.	5.3	41
2691	Measuring linear and non-linear galaxy bias using counts-in-cells in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1435-1451.	4.4	13
2692	Time variability of TeV cosmic ray sky map. Monthly Notices of the Royal Astronomical Society, 2019, 483, 896-900.	4.4	1
2693	H <scp>i</scp> intensity mapping for clustering-based redshift estimation. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3341-3355.	4.4	14
2694	Fast Coordinate Cross-Match Tool for Large Astronomical Catalogue. Advances in Intelligent Systems and Computing, 2019, , 3-16.	0.6	17

#	Article	IF	Citations
2695	Gravitationally lensed quasars in <i>Gaia</i> – III. 22 new lensed quasars from <i>Gaia</i> data release 2. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4242-4258.	4.4	65
2696	Constraining cosmology with the cosmic microwave and infrared backgrounds correlation. Astronomy and Astrophysics, 2019, 621, A32.	5.1	11
2697	A map-based method for eliminating systematic modes from galaxy clustering power spectra with application to BOSS. Monthly Notices of the Royal Astronomical Society, 2019, 482, 453-470.	4.4	21
2698	Earthshine as an illumination source at the Moon. Icarus, 2019, 321, 841-856.	2.5	9
2699	QUIJOTE scientific results – III. Microwave spectrum of intensity and polarization in the Taurus Molecular Cloud complex and L1527. Monthly Notices of the Royal Astronomical Society, 2019, 486, 462-485.	4.4	8
2700	CLUMPY v3: <mml:math altimg="si1.gif" display="inline" id="mml21" overflow="scroll" xmins:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>i3</mml:mi></mml:math> -ray and <mml:math altimg="si22.gif" display="inline" id="mml22" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>i½</mml:mi></mml:math> signals from dark matter at all scales. Computer	7.5	39
2701	Testing isotropy in the Universe using photometric and spectroscopic data from the SDSS. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2453-2464.	4.4	18
2702	The modified gravity light-cone simulation project – I. Statistics of matter and halo distributions. Monthly Notices of the Royal Astronomical Society, 2019, 483, 790-805.	4.4	26
2703	Tight framelets and fast framelet filter bank transforms on manifolds. Applied and Computational Harmonic Analysis, 2020, 48, 64-95.	2.2	13
2704	ASTROIDE: A Unified Astronomical Big Data Processing Engine over Spark. IEEE Transactions on Big Data, 2020, 6, 477-491.	6.1	9
2705	Isotropic sparse regularization for spherical harmonic representations of random fields on the sphere. Applied and Computational Harmonic Analysis, 2020, 49, 257-278.	2.2	12
2706	Learning SO(3) Equivariant Representations with Spherical CNNs. International Journal of Computer Vision, 2020, 128, 588-600.	15.6	27
2707	An open-source web service for creating quadrilateral grids based on the rHEALPix Discrete Global Grid System. International Journal of Digital Earth, 2020, 13, 1055-1071.	3.9	7
2708	Controlling systematics in ground-based CMB surveys with partial boresight rotation. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1960-1969.	4.4	4
2709	Structure of the Vesicular Stomatitis Virus L Protein in Complex with Its Phosphoprotein Cofactor. Cell Reports, 2020, 30, 53-60.e5.	6.4	51
2710	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. Astroparticle Physics, 2020, 116, 102392.	4.3	3
2711	Searching for gamma-ray emission from galaxy clusters at low redshift. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3225-3244.	4.4	8
2712	Star catalog position and proper motion corrections in asteroid astrometry II: The Gaia era. Icarus, 2020, 339, 113596.	2.5	22

#	Article	IF	CITATIONS
2713	Sparse Bayesian mass mapping with uncertainties: local credible intervals. Monthly Notices of the Royal Astronomical Society, 2020, 492, 394-404.	4.4	10
2714	Improving Neutral Density Predictions Using Exospheric Temperatures Calculated on a Geodesic, Polyhedral Grid. Space Weather, 2020, 18, e2019SW002355.	3.7	18
2715	Scalable angular adaptivity for Boltzmann transport. Journal of Computational Physics, 2020, 406, 109124.	3.8	8
2716	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4221-4238.	4.4	99
2717	Quantifying EoR delay spectrum contamination from diffuse radio emission. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3712-3727.	4.4	11
2718	Simultaneous determination of the cosmic birefringence and miscalibrated polarization angles II: Including cross-frequency spectra. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	25
2719	Searching for anisotropic cosmic birefringence with polarization data from SPTpol. Physical Review D, 2020, 102, .	4.7	43
2720	Bayesian mixture modelling of the high-energy photon counts collected by the Fermi Large Area Telescope. Statistical Modelling, 2020, , 1471082X2094722.	1.1	0
2721	Improving galaxy clustering measurements with deep learning: analysis of the DECaLS DR7 data. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1613-1640.	4.4	27
2722	PS1-STRM: neural network source classification and photometric redshift catalogue for PS1 3Ï€ DR1. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1633-1644.	4.4	32
2723	Searching for electromagnetic counterparts to gravitational-wave merger events with the prototype Gravitational-Wave Optical Transient Observer (GOTO-4). Monthly Notices of the Royal Astronomical Society, 2020, 497, 726-738.	4.4	68
2724	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Large-scale structure catalogues for cosmological analysis. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2354-2371.	4.4	100
2725	Power of halometry. Physical Review D, 2020, 102, .	4.7	15
2726	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	4.5	12
2727	A fast and accurate algorithm for spherical harmonic analysis on HEALPix grids with applications to the cosmic microwave background radiation. Journal of Computational Physics, 2020, 416, 109544.	3.8	4
2728	A redistribution tool for long-term archive of astronomical observation data. Astronomy and Computing, 2020, 32, 100400.	1.7	0
2729	High-precision Monte Carlo modelling of galaxy distribution. Astronomy and Astrophysics, 2020, 633, A26.	5.1	4
2730	Foreground mismodeling and the point source explanation of the Fermi Galactic Center excess. Physical Review D, 2020, 102, .	4.7	43

#	Article	IF	CITATIONS
2731	IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgo's First Gravitational-wave Transient Catalog. Astrophysical Journal Letters, 2020, 898, L10.	8.3	30
2732	Geospatial Operations of Discrete Global Grid Systems—a Comparison with Traditional GIS. Journal of Geovisualization and Spatial Analysis, 2020, 4, 1.	4.3	18
2733	Near to long-term forecasts in x-ray and gamma-ray bands: Are we entering the era of dark matter astronomy?. Physical Review D, 2020, 102, .	4.7	11
2734	Neutron star mergers and how to study them. Living Reviews in Relativity, 2020, 23, 1.	26.7	31
2735	Hemispherical variance anomaly and reionization optical depth. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3563-3570.	4.4	2
2736	New Extraction of the Cosmic Birefringence from the Planck 2018 Polarization Data. Physical Review Letters, 2020, 125, 221301.	7.8	119
2737	Measuring angular N -point correlations of binary black hole merger gravitational-wave events with hierarchical Bayesian inference. Physical Review D, 2020, 102 , .	4.7	15
2738	Angular Dependence and Spatial Distribution of Jupiter's Centimeterâ€Wave Thermal Emission From Juno's Microwave Radiometer. Earth and Space Science, 2020, 7, e2020EA001254.	2.6	12
2739	Hierarchical Bayesian CMB component separation with the No-U-Turn Sampler. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4383-4401.	4.4	5
2740	Imaging systematics and clustering of DESI main targets. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2262-2291.	4.4	25
2741	Accelerating Radiative Transfer Simulation with GPU-FPGA Cooperative Computation. , 2020, , .		3
2742	Foreground model recognition through Neural Networks for CMB <i>B</i> -mode observations. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	5.4	12
2743	The analysis of CMB anisotropy to temporary domain according to WMAP and Planck probes databases. Journal of Physics: Conference Series, 2020, 1557, 012037.	0.4	0
2744	Galactic ionizing photon budget during the epoch of reionization in the Cosmic Dawn II simulation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4342-4357.	4.4	32
2745	Cataloging accreted stars within <i>Gaia</i> DR2 using deep learning. Astronomy and Astrophysics, 2020, 636, A75.	5.1	17
2746	All-sky angular power spectrum–Âl. Estimating brightness temperature fluctuations using the 150-MHz TGSS survey. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1936-1945.	4.4	17
2747	Dark Energy Survey Year 1 Results: Wide-field mass maps via forward fitting in harmonic space. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5662-5679.	4.4	8
2748	A novel CMB component separation method: hierarchical generalized morphological component analysis. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1507-1529.	4.4	6

#	Article	IF	CITATIONS
2749	Search for multimessenger signals in NOvA coincident with LIGO/Virgo detections. Physical Review D, 2020, 101 , .	4.7	7
2750	Testing gamma-ray models of blazars in the extragalactic sky. Physical Review D, 2020, 101, .	4.7	12
2751	Atacama Cosmology Telescope: Component-separated maps of CMB temperature and the thermal Sunyaev-Zel'dovich effect. Physical Review D, 2020, 102, .	4.7	56
2752	The POlarised GLEAM Survey (POGS) II: Results from an all-sky rotation measure synthesis survey at long wavelengths. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	19
2753	Constraints on neutrino emission from nearby galaxies using the 2MASS redshift survey and IceCube. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 042-042.	5.4	5
2754	Multipole expansion for H i intensity mapping experiments: simulations and modelling. Monthly Notices of the Royal Astronomical Society, 2020, 496, 415-433.	4.4	17
2755	The C-Band All-Sky Survey: total intensity point-source detection over the northern sky. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1941-1958.	4.4	1
2756	To \hat{l}^2 or not to \hat{l}^2 : can higher order Jeans analysis break the massâ \in anisotropy degeneracy in simulated dwarfs?. Monthly Notices of the Royal Astronomical Society, 2020, 498, 144-163.	4.4	25
2757	warpfield population synthesis: the physics of (extra-)Galactic star formation and feedback-driven cloud structure and emission from sub-to-kpc scales. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3193-3214.	4.4	21
2758	Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps – validation on simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4060-4087.	4.4	29
2759	The All-Sky SignAl Short-Spacing INterferometer (ASSASSIN) – I. Global-sky measurements with the Engineering Development Array-2. Monthly Notices of the Royal Astronomical Society, 2020, 499, 52-67.	4.4	12
2760	Unit quaternion description of spatial rotations in 3D electron cryo-microscopy. Journal of Structural Biology, 2020, 212, 107601.	2.8	6
2761	High circular polarization of near-infrared light induced by micron-sized dust grains. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2762-2767.	4.4	8
2762	Weak lensing skew-spectrum. Monthly Notices of the Royal Astronomical Society, 2020, 498, 6057-6068.	4.4	9
2763	Radio Galaxy Zoo: new giant radio galaxies in the RGZ DR1 catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 68-76.	4.4	10
2764	Cross-correlating Planck with VST ATLAS LRGs: a new test for the ISW effect in the Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4830-4844.	4.4	3
2765	Completeness of the Gaia-verse – I. When and where were Gaia's eyes on the sky during DR2?. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1826-1841.	4.4	31
2766	Recovery of 21-cm intensity maps with sparse component separation. Monthly Notices of the Royal Astronomical Society, 2020, 499, 304-319.	4.4	36

#	Article	IF	CITATIONS
2767	Weak-lensing observables in relativistic N-body simulations. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2078-2095.	4.4	28
2768	Star cluster formation and cloud dispersal by radiative feedback: dependence on metallicity and compactness. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3830-3845.	4.4	36
2769	SPIDERS: overview of the X-ray galaxy cluster follow-up and the final spectroscopic data release. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3976-3992.	4.4	16
2770	Higher order spectra of weak lensing convergence maps in parametrized theories of modified gravity. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5299-5316.	4.4	4
2771	Cosmo VAE: Variational Autoencoder for CMB Image Inpainting. , 2020, , .		4
2772	A robust measure of event isotropy at colliders. Journal of High Energy Physics, 2020, 2020, 1.	4.7	22
2773	A common explanation of the Hubble tension and anomalous cold spots in the CMB. Monthly Notices of the Royal Astronomical Society, 2020, 499, 320-333.	4.4	9
2774	Maximum likelihood map making with the Laser Interferometer Space Antenna. Physical Review D, 2020, 102, .	4.7	28
2775	Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. Astronomy and Computing, 2020, 33, 100425.	1.7	9
2776	Cross-correlating 2MASS Redshift Survey galaxies with the ultrahigh energy cosmic ray flux from Pierre Auger Observatory. Physical Review D, 2020, 102, .	4.7	2
2777	The cross correlation of the ABS and ACT maps. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 010-010.	5.4	2
2778	The Probability of Mantle Plumes in Global Tomographic Models. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009276.	2.5	10
2779	The spectral index of polarized diffuse Galactic emission between 30 and 44 GHz. Monthly Notices of the Royal Astronomical Society, 2020, 495, 578-593.	4.4	9
2780	HIR4: cosmology from a simulated neutral hydrogen full sky using Horizon Run 4. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1788-1806.	4.4	12
2781	The weak lensing bispectrum induced by gravity. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3985-3995.	4.4	21
2782	Searching for anisotropy in the distribution of binary black hole mergers. Physical Review D, 2020, 102, .	4.7	22
2783	Galactic Center Excess in a New Light: Disentangling the <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>\hat{l}^3</mml:mi></mml:math> -Ray Sky with Bayesian Graph Convolutional Neural Networks. Physical Review Letters, 2020, 125, 241102.	7.8	23
2784	Characterizing the nature of the unresolved point sources in the Galactic Center: An assessment of systematic uncertainties. Physical Review D, 2020, 101, .	4.7	34

#	Article	IF	CITATIONS
2785	Mapping the relativistic electron gas temperature across the sky. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5734-5750.	4.4	20
2786	Producing synthetic maps of dust polarization using a velocity channel gradient technique. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2868-2884.	4.4	18
2787	Dynamic zoom simulations: A fast, adaptive algorithm for simulating light-cones. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2685-2700.	4.4	2
2788	Deflection of the hypervelocity stars by the pull of the Large Magellanic Cloud on the Milky Way. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2930-2940.	4.4	13
2789	Quantifying excess power from radio frequency interference in Epoch of Reionization measurements. Monthly Notices of the Royal Astronomical Society, 2020, 498, 265-275.	4.4	12
2790	Redshift inference from the combination of galaxy colours and clustering in a hierarchical Bayesian model $\hat{a}\in$ Application to realistic <i>N</i> -body simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2614-2631.	4.4	25
2791	Constraining the distance to the North Polar Spur with Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5863-5872.	4.4	14
2792	Removing imaging systematics from galaxy clustering measurements with <tt>Obiwan</tt> : application to the SDSS-IV extended Baryon Oscillation Spectroscopic Survey emission-line galaxy sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3943-3960.	4.4	12
2793	Radial derivatives as a test of pre-big bang events on the Planck data. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1300-1311.	4.4	0
2794	Bayesian inference for compact binary coalescences with <scp>bilby</scp> : validation and application to the first LIGO–Virgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319.	4.4	213
2795	Optimizing LSST observing strategy for weak lensing systematics. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1140-1153.	4.4	4
2796	HIR4: cosmological signatures imprinted on the cross-correlation between a 21-cm map and galaxy clustering. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4613-4625.	4.4	3
2797	MAXI/SSC all-sky maps from 0.7 keV to 4 keV. Publication of the Astronomical Society of Japan, 2020, 72	.,2.5	6
2798	First detection of stacked X-ray emission from cosmic web filaments. Astronomy and Astrophysics, 2020, 643, L2.	5.1	44
2799	Detection of WHIM in the <i>Planck</i> data using <i>Stack First</i> approach. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 028-028.	5.4	3
2800	Powering galactic superwinds with small-scale AGN winds. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5229-5255.	4.4	48
2801	IVOA HiPS implementation in the framework of WorldWide Telescope. Astronomy and Computing, 2020, 31, 100380.	1.7	2
2802	Electromagnetic counterparts to gravitational wave events from <i>Gaia</i> . Monthly Notices of the Royal Astronomical Society, 2020, 493, 3264-3273.	4.4	4

#	Article	IF	CITATIONS
2803	Modelling the spinning dust emission from LDN 1780. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1122-1135.	4.4	7
2804	Study of the Cosmic Rays and Interstellar Medium in Local H i Clouds Using Fermi-LAT Gamma-Ray Observations. Astrophysical Journal, 2020, 890, 120.	4.5	3
2805	Global Mapping of the Surface Composition on an Exo-Earth Using Color Variability. Astrophysical Journal, 2020, 894, 58.	4.5	12
2806	A Gaia Early DR3 Mock Stellar Catalog: Galactic Prior and Selection Function. Publications of the Astronomical Society of the Pacific, 2020, 132, 074501.	3.1	32
2807	Cross-correlation of the extragalactic gamma-ray background with the thermal Sunyaev-Zel'dovich effect in the cosmic microwave background. Physical Review D, 2020, 101, .	4.7	3
2808	The effects of varying depth in cosmic shear surveys. Astronomy and Astrophysics, 2020, 634, A104.	5.1	12
2809	Assessing the state of the art in Discrete Global Grid Systems: OGC criteria and present functionality. Geomatica, 2020, 74, 9-30.	0.5	36
2810	Supernova feedback and the energy deposition in molecular clouds. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4700-4710.	4.4	31
2811	Evaluation of Automated Fermi GBM Localizations of Gamma-Ray Bursts. Astrophysical Journal, 2020, 895, 40.	4.5	24
2812	On the detection of CMB B-modes from ground at low frequency. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 006-006.	5.4	8
2813	Like a spider in its web: a study of the large-scale structure around the Coma cluster. Astronomy and Astrophysics, 2020, 634, A30.	5.1	32
2814	Likelihood Methods for CMB Experiments. Frontiers in Physics, 2020, 8, .	2.1	12
2815	CosmoHub: Interactive exploration and distribution of astronomical data on Hadoop. Astronomy and Computing, 2020, 32, 100391.	1.7	28
2816	CMB statistical isotropy confirmation at all scales using multipole vectors. Physics of the Dark Universe, 2020, 30, 100608.	4.9	2
2817	Tomographic analyses of the CMB lensing and galaxy clustering to probe the linear structure growth. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 052-052.	5.4	17
2818	The Impact of Planetary Rotation Rate on the Reflectance and Thermal Emission Spectrum of Terrestrial Exoplanets around Sunlike Stars. Astrophysical Journal, 2020, 893, 140.	4.5	5
2819	High mass and halo resolution from fast low resolution simulations. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 002-002.	5 . 4	8
2820	Enabling Catalog Simulations of Transient and Variable Sources Based on LSST Cadence Strategies. Astrophysical Journal, Supplement Series, 2020, 247, 60.	7.7	5

#	Article	IF	CITATIONS
2821	Reionization optical depth determination from <i>Planck</i> HFI data with ten percent accuracy. Astronomy and Astrophysics, 2020, 635, A99.	5.1	41
2822	White dwarf deflagrations for Type lax supernovae: polarisation signatures from the explosion and companion interaction. Astronomy and Astrophysics, 2020, 635, A179.	5.1	8
2823	Web application for galaxy-targeted follow-up of electromagnetic counterparts to gravitational wave sources. Astronomy and Astrophysics, 2020, 634, A32.	5.1	8
2824	Noise angular power spectrum of gravitational wave background experiments. Physical Review D, 2020, 101, .	4.7	36
2825	The integrated angular bispectrum. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 035-035.	5.4	5
2826	Probing hot gas around luminous red galaxies through the Sunyaev–Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2318-2329.	4.4	19
2827	Global Mapping of an Exo-Earth Using Sparse Modeling. Astrophysical Journal, 2020, 896, 22.	4.5	15
2828	SNe Ia from double detonations: Impact of core-shell mixing on the carbon ignition mechanism. Astronomy and Astrophysics, 2020, 635, A169.	5.1	48
2829	Milky Way Satellites Shining Bright in Gravitational Waves. Astrophysical Journal Letters, 2020, 894, L15.	8.3	25
2830	Search for magnetically-induced signatures in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	5.4	10
2831	Signature of a cosmic string wake at <i>z</i> =3. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 016-016.	5.4	1
2832	Disdyakis Triacontahedron DGGS. ISPRS International Journal of Geo-Information, 2020, 9, 315.	2.9	15
2833	Kinematics of main-sequence stars from the Gaia DR2 and PMA proper motions. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1430-1447.	4.4	5
2834	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. Astrophysical Journal Letters, 2020, 896, L29.	8.3	48
2835	Neighborhood Preference of Amino Acids in Protein Structures and its Applications in Protein Structure Assessment. Scientific Reports, 2020, 10, 4371.	3.3	6
2836	Cosmology with Phase 1 of the Square Kilometre Array Red Book 2018: Technical specifications and performance forecasts. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	195
2837	The <i>Gaia</i> DR2 parallax zero-point: hierarchical modelling of red clump stars. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4367-4381.	4.4	43
2838	Symmetries of CMB Temperature Correlation at Large Angular Separations. Astrophysical Journal Letters, 2020, 888, L29.	8.3	7

#	Article	IF	CITATIONS
2839	Footprints of Doppler and aberration effects in cosmic microwave background experiments: statistical and cosmological implications. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1708-1724.	4.4	5
2840	Ray tracing the integrated Sachs-Wolfe effect through the light cones of the dark energy universe simulation-full universe runs. Physical Review D, 2020, 101, .	4.7	7
2841	<i>>Fermi</i> Large Area Telescope Fourth Source Catalog. Astrophysical Journal, Supplement Series, 2020, 247, 33.	7.7	817
2842	The Gravitational Lensing Signatures of BOSS Voids in the Cosmic Microwave Background. Astrophysical Journal, 2020, 890, 168.	4.5	21
2843	Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory. Astrophysical Journal, 2020, 891, 9.	4. 5	12
2844	Effect of particle surface corrugation on colloidal interactions. Journal of Colloid and Interface Science, 2020, 579, 794-804.	9.4	8
2845	Anisotropic infall in the outskirts of OmegaWINGS galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4950-4959.	4.4	14
2846	hammurabi X: Simulating Galactic Synchrotron Emission with Random Magnetic Fields. Astrophysical Journal, Supplement Series, 2020, 247, 18.	7.7	9
2847	Bounds on WIMP dark matter from galaxy clusters at low redshift. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
2848	Beyond Optical Depth: Future Determination of Ionization History from the Cosmic Microwave Background. Astrophysical Journal, 2020, 889, 130.	4. 5	8
2849	Morphology of CMB fields—effect of weak gravitational lensing. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 020-020.	5.4	7
2850	Pixel space convolution for cosmic microwave background experiments. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 030-030.	5.4	2
2851	Optimizing gravitational waves follow-up using galaxies stellar mass. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4768-4779.	4.4	28
2852	Cross-correlation of the thermal Sunyaev–Zel'dovich effect and weak gravitational lensing: Planck and Subaru Hyper Suprime-Cam first-year data. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4780-4804.	4.4	26
2853	A pixel space method for testing dipole modulation in the CMB polarization. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3994-4004.	4.4	4
2854	Search for point sources of ultra-high-energy photons with the Telescope Array surface detector. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3984-3993.	4.4	6
2855	Two Ultra-faint Milky Way Stellar Systems Discovered in Early Data from the DECam Local Volume Exploration Survey. Astrophysical Journal, 2020, 890, 136.	4.5	49
2856	Baryon acoustic oscillations signature in the three-point angular correlation function from the SDSS-DR12 quasar survey. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4469-4476.	4.4	19

#	Article	IF	CITATIONS
2857	Statistics of CMB polarization angles. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 001-001.	5. 4	2
2858	Deep learning dark matter map reconstructions from DES SV weak lensing data. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5023-5029.	4.4	32
2859	Direct collapse to supermassive black hole seeds: the critical conditions for suppression of H2 cooling. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4917-4926.	4.4	13
2860	The accuracy of weak lensing simulations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 305-319.	4.4	22
2861	Cosmological constraints from cosmic shear two-point correlation functions with HSC survey first-year data. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	169
2862	Hawaii Two-0: high-redshift galaxy clustering and bias. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2318-2328.	4.4	3
2863	Lattice Quad-Tree Indexing Algorithm for a Hexagonal Discrete Global Grid System. ISPRS International Journal of Geo-Information, 2020, 9, 83.	2.9	8
2864	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. Astrophysical Journal, 2020, 889, 38.	4.5	36
2865	Tomographic measurement of the intergalactic gas pressure through galaxy–tSZ cross-correlations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5464-5480.	4.4	40
2866	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A First Detection of Atmospheric Circular Polarization at Q band. Astrophysical Journal, 2020, 889, 120.	4.5	11
2867	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
2868	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A Measurement of Circular Polarization at 40 GHz. Astrophysical Journal, 2020, 889, 105.	4.5	15
2869	The observational anatomy of externally photoevaporating planet-forming discs – I. Atomic carbon. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5030-5040.	4.4	14
2870	Deep learning for Sunyaev–Zel'dovich detection in <i>Planck</i> . Astronomy and Astrophysics, 2020, 634, A81.	5.1	12
2871	Revisiting astrometric parameters of quasars in <i>Gaia</i> -CRF2. Astronomy and Astrophysics, 2020, 635, A113.	5.1	0
2872	Cosmic-ray interactions with the Sun using the fluka code. Physical Review D, 2020, 101, .	4.7	18
2873	General Method for Extending Discrete Global Grid Systems to Three Dimensions. ISPRS International Journal of Geo-Information, 2020, 9, 233.	2.9	6
2874	A Relationship between Stellar Age and Spot Coverage. Astrophysical Journal, 2020, 893, 67.	4.5	34

#	Article	IF	CITATIONS
2875	Spatial analysis and visualization of global data on multi-resolution hexagonal grids. Japanese Journal of Statistics and Data Science, 2020, 3, 107-128.	1.2	6
2876	Differential Entropy Analysis of the Acoustic Characteristics of a Biomimetic Dynamic Sonar Emitter. Symmetry, 2020, 12, 391.	2.2	0
2877	LyaCoLoRe : synthetic datasets for current and future Lyman-α forest BAO surveys. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 068-068.	5.4	24
2878	Constraints on the Emission of Gamma-Rays from M31 with HAWC. Astrophysical Journal, 2020, 893, 16.	4.5	1
2879	Data Analysis for Precision 21 cm Cosmology. Publications of the Astronomical Society of the Pacific, 2020, 132, 062001.	3.1	107
2880	A comparison of cosmological filaments catalogues. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1936-1947.	4.4	24
2881	Exact joint likelihood of pseudo-Câ,, estimates from correlated Gaussian cosmological fields. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3165-3181.	4.4	10
2882	Re-evaluating evidence for Hawking points in the CMB. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 021-021.	5 . 4	8
2883	rascalc: a jackknife approach to estimating single- and multitracer galaxy covariance matrices. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3290-3317.	4.4	13
2884	magritte, a modern software library for 3D radiative transfer: I. Non-LTE atomic and molecular line modelling. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1812-1826.	4.4	14
2885	Area and volume computation of longitude–latitude grids and threeâ€dimensional meshes. Transactions in GIS, 2021, 25, 6-24.	2.3	6
2886	The 8-parameter Fisher–Bingham distribution on the sphere. Computational Statistics, 2021, 36, 409-420.	1.5	4
2887	Localization of Gamma-ray Bursts using the Compton polarimeter POLAR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164866.	1.6	6
2888	Identification of patterns in cosmic-ray arrival directions using dynamic graph convolutional neural networks. Astroparticle Physics, 2021, 126, 102527.	4.3	11
2889	A novel method for assessing the coating uniformity of hot-melt coated particles using micro-computed tomography. Powder Technology, 2021, 378, 51-59.	4.2	5
2890	Parity in Planck full-mission CMB temperature maps. Astroparticle Physics, 2021, 125, 102493.	4.3	4
2891	An intermediate-velocity H <scp>i</scp> cloud falling to the galactic disk; Possible evidence for low-metallicity H <scp>i</scp> gas originating outside the galactic disk. Publication of the Astronomical Society of Japan, 2021, 73, S117-S128.	2.5	4
2892	Cosmological forecast for non-Gaussian statistics in large-scale weak lensing surveys. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 028-028.	5.4	36

#	Article	IF	CITATIONS
2893	Cross-correlating radio continuum surveys and CMB lensing: constraining redshift distributions, galaxy bias, and cosmology. Monthly Notices of the Royal Astronomical Society, 2021, 502, 876-887.	4.4	16
2894	Constraining cosmology using galaxy position angle-only cosmic shear. Monthly Notices of the Royal Astronomical Society, 2021, 502, 728-749.	4.4	1
2895	Harnessing the Population Statistics of Subhalos to Search for Annihilating Dark Matter. Astrophysical Journal, 2021, 906, 57.	4.5	9
2896	From Supernova to Supernova Remnant: Comparison of Thermonuclear Explosion Models. Astrophysical Journal, 2021, 906, 93.	4.5	17
2897	Milky Way Tomography with the SkyMapper Southern Survey. II. Photometric Recalibration of SMSS DR2. Astrophysical Journal, 2021, 907, 68.	4.5	25
2900	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 057-057.	5.4	46
2901	Measuring the spectrum of primordial gravitational waves with CMB, PTA and laser interferometers. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 012-012.	5.4	60
2902	SMSIR: Spherical Measure Based Spherical Image Representation. IEEE Transactions on Image Processing, 2021, 30, 6377-6391.	9.8	4
2903	Sparse Representations With Legendre Kernels for DOA Estimation and Acoustic Source Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2296-2309.	5.8	3
2904	A demonstration of improved constraints on primordial gravitational waves with delensing. Physical Review D, 2021, 103, .	4.7	21
2905	Direct detection of the kinetic Sunyaev-Zel'dovich effect in galaxy clusters. Astronomy and Astrophysics, 2021, 645, A112.	5.1	19
2906	Three-dimensional Distribution of the Interstellar Dust in the Milky Way. Astrophysical Journal, 2021, 906, 47.	4.5	20
2907	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	7.7	56
2908	Construction of a far-ultraviolet all-sky map from an incomplete survey: application of a deep learning algorithm. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3200-3209.	4.4	1
2909	Star Identification and Attitude Determination With Projective Cameras. IEEE Access, 2021, 9, 25768-25794.	4.2	15
2910	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2021, 907, 67.	4.5	13
2911	Dual polarization measurements of MWA beampatterns at 137 MHz. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1990-2004.	4.4	9
2912	Data processing pipeline for Tianlai experiment. Astronomy and Computing, 2021, 34, 100439.	1.7	6

#	Article	IF	CITATIONS
2913	The Second Data Release of the Survey of the MAgellanic Stellar History (SMASH). Astronomical Journal, 2021, 161, 74.	4.7	20
2914	Pixel domain multi-resolution minimum variance in-painting of CMB maps. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 026-026.	5.4	1
2915	New precise positions in 2013–2019 and a catalog of ground-based astrometric observations of 11 Neptunian satellites (1847–2019) based on Gaia-DR2. Astronomy and Astrophysics, 2021, 645, A48.	5.1	4
2916	The Last Journey. I. An Extreme-scale Simulation on the Mira Supercomputer. Astrophysical Journal, Supplement Series, 2021, 252, 19.	7.7	12
2917	KiDS-1000 cosmology: Cosmic shear constraints and comparison between two point statistics. Astronomy and Astrophysics, 2021, 645, A104.	5.1	339
2918	Constraints on the spectral index of polarized synchrotron emission from WMAP and Faraday-corrected S-PASS data. Astronomy and Astrophysics, 2021, 646, A69.	5.1	17
2919	KiDS+VIKING-450: An internal-consistency test for cosmic shear tomography with a colour-based split of source galaxies. Astronomy and Astrophysics, 2021, 646, A175.	5.1	2
2920	High speed source localization in searches for gravitational waves from compact object collisions. Physical Review D, 2021, 103, .	4.7	3
2921	Detection of spectral variations of Anomalous Microwave Emission with QUIJOTE and C-BASS. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2927-2943.	4.4	17
2922	Estimating Distances from Parallaxes. V. Geometric and Photogeometric Distances to 1.47 Billion Stars in Gaia Early Data Release 3. Astronomical Journal, 2021, 161, 147.	4.7	922
2923	Lensed CMB power spectrum biases from masking extragalactic sources. Physical Review D, 2021, 103, .	4.7	7
2924	Improving the open cluster census. Astronomy and Astrophysics, 2021, 646, A104.	5.1	57
2925	Baryon acoustic oscillations in the projected cross-correlation function between the eBOSS DR16 quasars and photometric galaxies from the DESI Legacy Imaging Surveys. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2562-2582.	4.4	9
2926	Completeness of the <i>Gaia</i> -verse – IV. The astrometry spread function of <i>Gaia</i> DR2. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1908-1924.	4.4	21
2927	Constraints on large-scale magnetic fields in the intergalactic medium using cross-correlation methods. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2913-2926.	4.4	16
2928	Asymptotics for spherical functional autoregressions. Annals of Statistics, 2021, 49, .	2.6	8
2929	Fast analytical calculation of the random pair counts for realistic survey geometry. Astronomy and Astrophysics, 2021, 646, A40.	5.1	7
2930	The SAGA Survey. II. Building a Statistical Sample of Satellite Systems around Milky Way–like Galaxies. Astrophysical Journal, 2021, 907, 85.	4.5	115

#	Article	IF	CITATIONS
2931	Removing the giants and learning from the crowd: A new SZ power spectrum method and revised Compton <i>y</i> -map analysis. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5310-5328.	4.4	9
2932	The WaZP galaxy cluster sample of the dark energy survey year 1. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4435-4456.	4.4	15
2933	KiDS-1000 methodology: Modelling and inference for joint weak gravitational lensing and spectroscopic galaxy clustering analysis. Astronomy and Astrophysics, 2021, 646, A129.	5.1	82
2934	Sufficiency of a Gaussian power spectrum likelihood for accurate cosmology from upcoming weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1999-2013.	4.4	11
2935	Insights into searches for anisotropies in the nanohertz gravitational-wave background. Physical Review D, 2021, 103, .	4.7	13
2936	3-D Object Tracking in Panoramic Video and LiDAR for Radiological Source–Object Attribution and Improved Source Detection. IEEE Transactions on Nuclear Science, 2021, 68, 189-202.	2.0	13
2937	Probing frequency-dependent half-wave plate systematics for CMB experiments with full-sky beam convolution simulations. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4526-4539.	4.4	7
2938	Fast lightcones for combined cosmological probes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 047-047.	5 . 4	10
2939	Cosmological Parameter Estimation from the Two-dimensional Genus Topology—Measuring the Expansion History Using the Genus Amplitude as a Standard Ruler. Astrophysical Journal, 2021, 907, 75.	4.5	8
2940	Effects of observer peculiar motion on the isotropic background frequency spectrum: From the monopole to higher multipoles. Astronomy and Astrophysics, 2021, 646, A75.	5.1	2
2941	Relic Radiation and the Modern Cosmological Model. Astronomy Reports, 2021, 65, 153-169.	0.9	1
2942	Revised planet brightness temperatures using the <i>Planck</i> /LFI 2018 data release. Astronomy and Astrophysics, 2021, 647, A104.	5.1	3
2943	Peeling off foregrounds with the constrained moment ILC method to unveil primordial CMB <i>B</i> modes. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2478-2498.	4.4	31
2944	Consistency of cosmic shear analyses in harmonic and real space. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3796-3817.	4.4	14
2945	Discovery of an Ultra-faint Stellar System near the Magellanic Clouds with the DECam Local Volume Exploration Survey. Astrophysical Journal, 2021, 910, 18.	4.5	28
2946	Linear systematics mitigation in galaxy clustering in the Dark Energy Survey Year 1 Data. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4349-4362.	4.4	5
2947	Subaru Hyper Suprime-Cam excavates colossal over- and underdense structures over 360 deg2 out to ⟨i>z⟨ i> = 1. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3896-3912.	4.4	8
2948	A new probe of Gaussianity and isotropy with application to cosmic microwave background maps. International Journal of Modern Physics C, 2021, 32, 2150084.	1.7	1

#	Article	IF	CITATIONS
2949	<i>Planck</i> constraints on the tensor-to-scalar ratio. Astronomy and Astrophysics, 2021, 647, A128.	5.1	78
2950	Framework for analysis of next generation, polarized CMB data sets in the presence of Galactic foregrounds and systematic effects. Physical Review D, 2021, 103, .	4.7	7
2951	Atomic line radiative transfer with MCFOST. Astronomy and Astrophysics, 2021, 647, A27.	5.1	4
2952	Dynamical evolution of voids with surrounding gravitational tidal field. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2804-2813.	4.4	1
2953	Characterization of extragalactic point-sources on E- and B-mode maps of the CMB polarization. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048.	5.4	3
2954	Mitigating contamination in LSS surveys: a comparison of methods. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5061-5084.	4.4	19
2955	The LSST DESC DC2 Simulated Sky Survey. Astrophysical Journal, Supplement Series, 2021, 253, 31.	7.7	32
2956	PSZSPT: A joint <i>Planck</i> and SPT-SZ cluster catalog. Astronomy and Astrophysics, 2021, 647, A106.	5.1	13
2957	Dust moments: towards a new modeling of the galactic dust emission for CMB <i>B</i> -modes analysis. Astronomy and Astrophysics, 2021, 647, A52.	5.1	18
2958	Inpainting CMB maps using partial convolutional neural networks. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 055.	5.4	6
2959	The H.E.S.S. gravitational wave rapid follow-up program. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 045.	5.4	9
2960	Evidence for line-of-sight frequency decorrelation of polarized dust emission in <i>Planck</i> data. Astronomy and Astrophysics, 2021, 647, A16.	5.1	32
2961	Searching for extremal spots in Planck lensing maps. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 044.	5.4	1
2962	Cosmic shear power spectra in practice. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 067.	5. 4	22
2963	Joint deconvolution and unsupervised source separation for data on the sphere., 2021, 110, 102946.		3
2964	Tidal Effects on the Radial Velocities of V723 Mon: Additional Evidence for a Dark 3 M ⟨sub⟩⊙⟨/sub⟩ Companion. Astrophysical Journal Letters, 2021, 910, L17.	8.3	12
2965	Second Data Release of the All-sky NOIRLab Source Catalog. Astronomical Journal, 2021, 161, 192.	4.7	26
2966	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. Astrophysical Journal, 2021, 910, 4.	4.5	18

#	Article	IF	CITATIONS
2967	Asymmetry of the CMB map: local and global anomalies. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 103.	5.4	6
2968	Clustering of local extrema in <i>Planck</i> CMB maps. Monthly Notices of the Royal Astronomical Society, 2021, 503, 815-829.	4.4	10
2969	SILCC VI – Multiphase ISM structure, stellar clustering, and outflows with supernovae, stellar winds, ionizing radiation, and cosmic rays. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1039-1061.	4.4	61
2970	Formation of the Lunar Dust Ejecta Cloud. Planetary Science Journal, 2021, 2, 67.	3.6	2
2971	Observing relativistic features in large-scale structure surveys – II. Doppler magnification in an ensemble of relativistic simulations. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3534-3543.	4.4	10
2972	Spectral Properties of Microwave Background Inhomogeneities on Planck Multi-Frequency Maps Near RCR Catalog Sources. Astrophysical Bulletin, 2021, 76, 109-122.	1.3	1
2973	A numerical study of observational systematic errors in lensing analysis of CMB polarization. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	6
2974	Combining strong and weak lensing estimates in the Cosmos field. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 010.	5. 4	5
2975	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
2976	Unravelling the origin of magnetic fields in galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2517-2534.	4.4	15
2977	Unified mapmaking for an anisotropic stochastic gravitational wave background. Physical Review D, 2021, 103, .	4.7	12
2978	Isotropic non-Lipschitz regularization for sparse representations of random fields on the sphere. Mathematics of Computation, 2022, 91, 219-243.	2.1	2
2979	Organised randoms: Learning and correcting for systematic galaxy clustering patterns in KiDS using self-organising maps. Astronomy and Astrophysics, 2021, 648, A98.	5.1	9
2980	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. Astrophysical Journal, 2021, 911, 109.	4. 5	18
2981	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A2.	5.1	647
2982	Explaining cosmological anisotropy: evidence for causal horizons from CMB data. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5840-5862.	4.4	27
2983	Dark energy survey year 3 results: weak lensing shape catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4312-4336.	4.4	77
2984	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A5.	5.1	246

#	Article	IF	CITATIONS
2985	High-resolution CARMA Observation of Molecular Gas in the North America and Pelican Nebulae. Astronomical Journal, 2021, 161, 229.	4.7	2
2986	The Planck Submillimeter Properties of Galactic High-mass Star-forming Regions: Dust Temperatures, Luminosities, Masses, and Star Formation Efficiency. Astrophysical Journal, 2021, 911, 69.	4.5	0
2987	Simulating instrumental systematics of Cosmic Microwave Background experiments with s4cmb. Journal of Open Source Software, 2021, 6, 3022.	4.6	2
2988	Point source detection with fully convolutional networks. Astronomy and Astrophysics, 2021, 648, A50.	5.1	3
2989	Magnification bias in galaxy surveys with complex sample selection functions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1452-1465.	4.4	18
2990	deep21: a deep learning method for 21 cm foreground removal. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 081.	5.4	29
2991	All-sky dynamical response of the Galactic halo to the LargeÂMagellanic Cloud. Nature, 2021, 592, 534-536.	27.8	64
2992	Finding Quasars behind the Galactic Plane. I. Candidate Selections with Transfer Learning. Astrophysical Journal, Supplement Series, 2021, 254, 6.	7.7	17
2993	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A10.	5.1	50
2994	Star Formation Efficiency and Dispersal of Giant Molecular Clouds with UV Radiation Feedback: Dependence on Gravitational Boundedness and Magnetic Fields. Astrophysical Journal, 2021, 911, 128.	4.5	63
2995	ForSE: A GAN-based Algorithm for Extending CMB Foreground Models to Subdegree Angular Scales. Astrophysical Journal, 2021, 911, 42.	4.5	18
2996	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A3.	5.1	421
2997	BAO angular scale at <i>z</i> _{eff} = 0.11 with the SDSS blue galaxies. Astronomy and Astrophysics, 2021, 649, A20.	5.1	30
2998	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4626-4645.	4.4	42
2999	A new approach for the statistical denoising of <i>Planck</i> interstellar dust polarization data. Astronomy and Astrophysics, 2021, 649, L18.	5.1	10
3000	Spheres to jets tuning event shapes with 5d simplified models. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
3001	The morphology of star-forming gas and its alignment with galaxies and dark matter haloes in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 65-87.	4.4	5
3002	Tree-based solvers for adaptive mesh refinement code <scp>flash</scp> – II: radiation transport module TreeRay. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3730-3754.	4.4	12

#	Article	IF	Citations
3003	H <scp>i</scp> intensity mapping with MeerKAT: calibration pipeline for multidish autocorrelation observations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3698-3721.	4.4	41
3004	The Imprint of Large-scale Structure on the Ultrahigh-energy Cosmic-Ray Sky. Astrophysical Journal Letters, 2021, 913, L13.	8.3	22
3005	L2-CalSat: A Calibration Satellite for Ultra-Sensitive CMB Polarization Space Missions. Sensors, 2021, 21, 3361.	3.8	11
3006	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. Astrophysical Journal, Supplement Series, 2021, 254, 24.	7.7	93
3007	Double detonations of sub-M _{Ch} CO white dwarfs: variations in Type Ia supernovae due to different core and He shell masses. Astronomy and Astrophysics, 2021, 649, A155.	5.1	35
3008	Discovery of magnetic fields along stacked cosmic filaments as revealed by radio and X-ray emission. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4178-4196.	4.4	30
3009	Strong detection of the CMB lensing and galaxy weak lensing cross-correlation from ACT-DR4, <i>Planck</i> Legacy, and KiDS-1000. Astronomy and Astrophysics, 2021, 649, A146.	5.1	26
3010	Revealing the Local Cosmic Web from Galaxies by Deep Learning. Astrophysical Journal, 2021, 913, 76.	4.5	13
3011	A minimal power-spectrum-based moment expansion for CMB B-mode searches. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 047.	5.4	17
3012	Weak-lensing mass reconstruction using sparsity and a Gaussian random field. Astronomy and Astrophysics, 2021, 649, A99.	5.1	8
3013	Spectral index of the Galactic foreground emission in the 50–87 MHz range. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1575-1588.	4.4	13
3014	The integrated angular bispectrum of weak lensing. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 055.	5.4	10
3015	The Ultraviolet Extinction Map and Dust Properties at High Galactic Latitude. Astrophysical Journal, Supplement Series, 2021, 254, 38.	7.7	14
3016	The Global Magneto-Ionic Medium Survey (GMIMS): the brightest polarized region in the southern sky at 75 cm and its implications for Radio Loop II. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3495-3518.	4.4	5
3017	The integrated three-point correlation function of cosmic shear. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2780-2803.	4.4	17
3018	coherent WaveBurst, a pipeline for unmodeled gravitational-wave data analysis. SoftwareX, 2021, 14, 100678.	2.6	37
3019	Application of the contour Minkowski tensor and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">D</mml:mi></mml:math> statistic to the Planck <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math>	4.7	4
3020	-mode data. Physical Review D, 2021, 103, . Tracing the magnetic field morphology of the LDN 1172/1174 cloud complex. Astronomy and Astrophysics, 2021, 655, A76.	5.1	2

#	Article	IF	CITATIONS
3021	Multi-messenger astrophysics with the cosmic neutrino background. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 053.	5.4	4
3022	Rate-Distortion Optimized Motion Estimation for on-the-Sphere Compression of 360 Videos., 2021,,.		4
3023	Patterns of primary beam non-redundancy in close-packed 21 cm array observations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2066-2088.	4.4	19
3024	Chandra Observations of the Planck Early Sunyaev–Zeldovich Sample: A Reexamination of Masses and Mass Proxies. Astrophysical Journal, 2021, 914, 58.	4.5	11
3025	The Atacama Cosmology Telescope: Detection of Millimeter-wave Transient Sources. Astrophysical Journal, 2021, 915, 14.	4.5	15
3026	Bayesian decomposition of the Galactic multi-frequency sky using probabilistic autoencoders. Astronomy and Astrophysics, 2021, 650, A100.	5.1	2
3027	Improved large-scale interstellar dust foreground model and CMB solar dipole measurement. Astronomy and Astrophysics, 2021, 650, A82.	5.1	7
3028	Testing the analytical blind separation method in simulated CMB polarization maps. Astronomy and Astrophysics, 2021, 650, A65.	5.1	1
3029	Primordial non-Gaussianity from the completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey – I: Catalogue preparation and systematic mitigation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3439-3454.	4.4	24
3030	Instrumental systematics biases in CMB lensing reconstruction: A simulation-based assessment. Physical Review D, 2021, 103, .	4.7	8
3031	A Bayesian ILC Method for CMB B-mode Posterior Estimation and Reconstruction of Primordial Gravity Wave Signal. Astrophysical Journal, 2021, 914, 119.	4.5	3
3032	CMB mode coupling with isotropic polarization rotation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1250-1257.	4.4	7
3033	<scp>H i</scp> intensity mapping with MeerKAT: primary beam effects on foreground cleaning. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5075-5092.	4.4	24
3034	The Heraklion Extragalactic Catalogue (HECATE): a value-added galaxy catalogue for multimessenger astrophysics. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1896-1915.	4.4	17
3035	On the Interaction of a Bonnor–Ebert Sphere with a Stellar Wind. Astrophysical Journal, 2021, 915, 7.	4.5	2
3036	Does jackknife scale really matter for accurate large-scale structure covariances?. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5833-5845.	4.4	7
3037	Dependencies of Mantle Shock Heating in Pairwise Accretion. Astrophysical Journal Letters, 2021, 915, L32.	8.3	7
3038	The nature of non-Gaussianity and statistical isotropy of the 408 MHz Haslam synchrotron map. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 026.	5.4	6

#	ARTICLE	IF	CITATIONS
3039	Future radio continuum cosmology clustering surveys. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4121-4130.	4.4	1
3040	The BINGO project. Astronomy and Astrophysics, 2022, 664, A19.	5.1	11
3041	The Dark Energy Survey Data Release 2. Astrophysical Journal, Supplement Series, 2021, 255, 20.	7.7	120
3042	Revisiting Dynamical Friction: The Role of Global Modes and Local Wakes. Astrophysical Journal, 2021, 916, 55.	4.5	14
3043	Towards a robust estimation of orientation parameters between ICRF and <i>Gaia</i> celestial reference frames. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5540-5547.	4.4	5
3044	The efficacy of event isotropy as an event shape observable. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
3045	Statistics of nonpolarized points in the CMB polarization maps. Physical Review D, 2021, 104, .	4.7	2
3046	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. Physical Review D, 2021, 104, .	4.7	62
3047	ECLIPSE: a fast Quadratic Maximum Likelihood estimator for CMB intensity and polarization power spectra. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 034.	5.4	5
3048	Dynamical Surface Imaging of λ Andromedae. Astrophysical Journal, 2021, 916, 60.	4.5	7
3049	nazgul: A statistical approach to gamma-ray burst localization. Astronomy and Astrophysics, 2021, 654, A26.	5.1	7
3050	Blind map level systematics cleaning: a quadratic estimator approach. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 016.	5.4	1
3051	Obtaining nonlinear galaxy bias constraints from galaxy-lensing phase differences. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5878-5887.	4.4	0
3052	Stacked CMB lensing and ISW signals around superstructures in the DESI Legacy Survey. Monthly Notices of the Royal Astronomical Society, 2021, 507, 510-523.	4.4	13
3053	RGB photometric calibration of 15 million Gaia stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 318-329.	4.4	4
3054	A Bayesian method for point source polarisation estimation. Astronomy and Astrophysics, 2021, 651, A24.	5.1	2
3055	Searches for sterile neutrinos and axionlike particles from the Galactic halo with eROSITA. Physical Review D, 2021, 104, .	4.7	18
3056	Investigating Cold Dust Properties of 12 Nearby Dwarf Irregular Galaxies by Hierarchical Bayesian Spectral Energy Distribution Fitting. Astrophysical Journal, 2021, 915, 51.	4.5	2

#	Article	IF	CITATIONS
3057	Luminosity distance and anisotropic sky-sampling at low redshifts: A numerical relativity study. Physical Review D, 2021 , 104 , .	4.7	15
3058	Full-sky integrated Sachs–Wolfe maps for the MICE grand challenge lightcone simulation. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4344-4353.	4.4	2
3059	Deep Search for Decaying Dark Matter with <i>XMM-Newton</i> Blank-Sky Observations. Physical Review Letters, 2021, 127, 051101.	7.8	38
3060	Measurements of the <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> -mode polarization and temperature- <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> -mode correlation of the CMB from SPT-3G 2018 data. Physical Review D. 2021, 104.	4.7	119
3061	The influence of streaming velocities and Lyman–Werner radiation on the formation of the first stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1775-1787.	4.4	39
3062	Functional penalised basis pursuit on spheres. Applied and Computational Harmonic Analysis, 2021, 53, 1-53.	2.2	5
3063	SRoll3: A neural network approach to reduce large-scale systematic effects in the <i>Planck</i> High-Frequency Instrument maps. Astronomy and Astrophysics, 2021, 651, A65.	5.1	2
3064	A Forecast of the Sensitivity on the Measurement of the Optical Depth to Reionization with the GroundBIRD Experiment. Astrophysical Journal, 2021, 915, 88.	4.5	3
3065	Probing galaxy bias and intergalactic gas pressure with KiDS Galaxies-tSZ-CMB lensing cross-correlations. Astronomy and Astrophysics, 2021, 651, A76.	5.1	18
3066	Morphology of weak lensing convergence maps. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1421-1433.	4.4	6
3067	Determining our peculiar velocity from the aberration in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3259-3265.	4.4	2
3068	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. Astrophysical Journal, Supplement Series, 2021, 255, 11.	7.7	19
3069	Cosmology with LIGO/Virgo dark sirens: Hubble parameter and modified gravitational wave propagation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 026.	5.4	62
3070	The BINGO project. Astronomy and Astrophysics, 2022, 664, A17.	5.1	12
3071	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2022, 657, A92.	5.1	15
3072	Inference of the optical depth to reionization from low multipole temperature and polarization <i>Planck</i> data. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1072-1091.	4.4	26
3073	Theoretical and numerical perspectives on cosmic distance averages. Astronomy and Astrophysics, 2021, 655, A54.	5.1	8
3074	Local Hâ€I filaments driven by a small-scale dynamo. Astronomy and Astrophysics, 2021, 654, A91.	5.1	9

#	Article	IF	Citations
3075	Spectroscopic observations of PHz G237.01+42.50: A galaxy protocluster at $\langle i \rangle z \langle j \rangle = 2.16$ in the Cosmos field. Astronomy and Astrophysics, 2021, 654, A121.	5.1	15
3076	Signatures of Recent Cosmic-Ray Acceleration in the High-latitude Gamma-Ray Sky. Astrophysical Journal, 2021, 917, 30.	4.5	5
3077	The <scp>picasso</scp> map-making code: application to a simulation of the QUIJOTE northern sky survey. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3707-3725.	4.4	6
3078	The DECam Local Volume Exploration Survey: Overview and First Data Release. Astrophysical Journal, Supplement Series, 2021, 256, 2. Constraining the baryon abundance with the kinematic Sunyaev-Zel'dovich effect: Projected-field	7.7	47
3079	detection using <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>P</mml:mi><mml:mi><mml:mi><mml:mi>a</mml:mi><mml:mi>n</mml:mi>n</mml:mi>, <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>W</mml:mi><mml:mi></mml:mi>A</mml:math></mml:mi>A<mml:mi>P</mml:mi><td>7.7</td><td>။_{ဥိဋ္ဌိ} mml:mi ></td></mml:math>	7.7	။ _{ဥိဋ္ဌိ} mml:mi >
3080	, and		

#	Article	IF	CITATIONS
3094	The all-sky PLATO input catalogue. Astronomy and Astrophysics, 2021, 653, A98.	5.1	34
3095	Fast-transient Searches in Real Time with ZTFReST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. Astrophysical Journal, 2021, 918, 63.	4.5	42
3096	Search for Neutrinos in Coincidence with Gravitational Wave Events from the LIGO–Virgo O3a Observing Run with the Super-Kamiokande Detector. Astrophysical Journal, 2021, 918, 78.	4.5	9
3097	Collision Chains among the Terrestrial Planets. II. An Asymmetry between Earth and Venus. Planetary Science Journal, 2021, 2, 199.	3.6	11
3098	Cosmic radio dipole: Estimators and frequency dependence. Astronomy and Astrophysics, 2021, 653, A9.	5.1	46
3099	Catalog of Long-term Transient Sources in the First 10 yr of Fermi-LAT Data. Astrophysical Journal, Supplement Series, 2021, 256, 13.	7.7	7
3100	RTM 3D angle gathers for OBN data using an equal area spherical binning method., 2021,,.		0
3101	Identification of point sources in gamma rays using U-shaped convolutional neural networks and a data challenge. Astronomy and Astrophysics, 2021, 656, A62.	5.1	9
3102	improved Master for the LSS: Fast and accurate analysis of the two point power spectra and correlation functions. Monthly Notices of the Royal Astronomical Society, $0, , .$	4.4	6
3103	Searching for <i>Fermi</i> GRB optical counterparts with the prototype Gravitational-wave Optical Transient Observer (GOTO). Monthly Notices of the Royal Astronomical Society, 2021, 507, 5463-5476.	4.4	3
3104	Local alignments of parsec-scale AGN radiojets. Astronomy and Astrophysics, 2021, 653, A123.	5.1	7
3105	Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of <i>Insight</i> -HXMT. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3910-3920.	4.4	9
3106	THOR: An Algorithm for Cadence-independent Asteroid Discovery. Astronomical Journal, 2021, 162, 143.	4.7	5
3107	Mapping the gravitational-wave sky with LISA: a Bayesian spherical harmonic approach. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5451-5462.	4.4	13
3108	Disentangling Doppler modulation, aberration and the temperature dipole in the CMB. Physical Review D, 2021, 104, .	4.7	6
3109	Hefty enhancement of cosmological constraints from the DES Y1 data using a hybrid effective field theory approach to galaxy bias. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 020.	5.4	19
3110	The variance of the CMB temperature gradient: a new signature of a multiply connected Universe. Classical and Quantum Gravity, 2021, 38, 225005.	4.0	8
3111	Simulating the Galactic multi-messenger emissions with HERMES. Astronomy and Astrophysics, 2021, 653, A18.	5.1	12

#	Article	IF	Citations
3112	Simulations of systematic effects arising from cosmic rays in the LiteBIRD space telescope, and effects on the measurements of CMB B-modes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 013.	5.4	5
3113	An unbiased estimator of the full-sky CMB angular power spectrum at large scales using neural networks. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4600-4609.	4.4	4
3114	Spectral separation of the stochastic gravitational-wave background for <i>LISA</i> in the context of a modulated Galactic foreground. Monthly Notices of the Royal Astronomical Society, 2021, 508, 803-826.	4.4	28
3115	The Origin of Parity Violation in Polarized Dust Emission and Implications for Cosmic Birefringence. Astrophysical Journal, 2021, 919, 53.	4.5	34
3116	Quantifying the Impact of the Large Magellanic Cloud on the Structure of the Milky Way's Dark Matter Halo Using Basis Function Expansions. Astrophysical Journal, 2021, 919, 109.	4.5	52
3118	Shock and splash: gas and dark matter halo boundaries around î•CDM galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2071-2078.	4.4	13
3119	Multi-tracer analysis of straight depolarisation canals in the surroundings of the 3C 196 field. Astronomy and Astrophysics, 2021, 654, A5.	5.1	8
3120	Linking nearby stellar streams to more distant halo overdensities. Astronomy and Astrophysics, 2021, 654, A15.	5.1	10
3121	The parallax zero-point offset from <i>Gaia</i> EDR3 data. Astronomy and Astrophysics, 2021, 654, A20.	5.1	23
3122	Algorithm 1018: FaVeSTâ€"Fast Vector Spherical Harmonic Transforms. ACM Transactions on Mathematical Software, 2021, 47, 1-24.	2.9	1
3123	A Square Equal-Area Map Projection with Low Angular Distortion, Minimal Cusps, and Closed-Form Solutions. ACM Transactions on Spatial Algorithms and Systems, 2021, 7, 1-16.	1.4	1
3124	Kinematics of the Milky Way from the <i>Gaia</i> EDR3 red giants and subgiants. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3055-3067.	4.4	5
3125	Power spectrum multipole expansion for H <scp>i</scp> intensity mapping experiments: unbiased parameter estimation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2549-2564.	4.4	15
3126	Identification of a Local Sample of Gamma-Ray Bursts Consistent with a Magnetar Giant Flare Origin. Astrophysical Journal Letters, 2021, 907, L28.	8.3	33
3127	Preliminary clustering properties of the DESI BGS bright targets using DR9 Legacy Imaging Surveys. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1478-1493.	4.4	8
3128	A fast particle-mesh simulation of non-linear cosmological structure formation with massive neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 016-016.	5.4	22
3129	Atmospheric circulation of brown dwarfs and directly imaged exoplanets driven by cloud radiative feedback: effects of rotation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 678-699.	4.4	32
3130	Cleaning foregrounds from single-dish 21 cm intensity maps with Kernel principal component analysis. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3551-3568.	4.4	9

#	Article	IF	CITATIONS
3131	The Parkes Galactic Meridian Survey (PGMS). Thirty Years of Astronomical Discovery With UKIRT, 2008, , 93-98.	0.3	1
3132	Quantitative Analysis in Iterative Classification Schemes for Cryo-EM Application. Applied and Numerical Harmonic Analysis, 2014, , 67-95.	0.3	4
3133	Morphological Modelling and Simulation of Crystallization Processes., 2020, , 435-473.		2
3134	Geocoding Textual Documents Through a Hierarchy of Linear Classifiers. Lecture Notes in Computer Science, 2015, , 590-596.	1.3	4
3135	Cosmic Microwave Background Anisotropies: The Power Spectrum and Beyond. Lecture Notes in Physics, 2008, , 79-120.	0.7	3
3136	Cosmic Microwave Background Polarization Analysis. Lecture Notes in Physics, 2008, , 121-158.	0.7	4
3137	Generating Uniform Incremental Grids on SO(3) Using the Hopf Fibration. Springer Tracts in Advanced Robotics, 2009, , 385-399.	0.4	8
3138	An Adaptive Cutaway with Volume Context Preservation. Lecture Notes in Computer Science, 2009, , 847-856.	1.3	1
3139	Numerical Integration on the Sphere. , 2013, , 1-35.		1
3140	Spherical Harmonic Transform with GPUs. Lecture Notes in Computer Science, 2012, , 355-366.	1.3	6
3141	SkyQuery: An Implementation of a Parallel Probabilistic Join Engine for Cross-Identification of Multiple Astronomical Databases. Lecture Notes in Computer Science, 2012, , 159-167.	1.3	4
3142	Identifying Group-Wise Consistent White Matter Landmarks via Novel Fiber Shape Descriptor. Lecture Notes in Computer Science, 2013, 16, 66-73.	1.3	6
3143	Numerical Integration on the Sphere. , 2015, , 2671-2710.		8
3144	Spherical Data Handling and Analysis with R package rcosmo. Communications in Computer and Information Science, 2019, , 211-225.	0.5	1
3145	Digital Earth Platforms. , 2020, , 25-54.		17
3146	3-D Sparse Representations. Advances in Imaging and Electron Physics, 2014, 183, 99-204.	0.2	3
3147	A parallel model for SQL astronomical databases based on solid state storage. Astronomy and Computing, 2017, 20, 77-82.	1.7	1
3150	Measuring the tensor to scalar ratio from CMB B-modes in the presence of foregrounds. Astronomy and Astrophysics, 2009, 503, 691-706.	5.1	46

#	Article	IF	CITATIONS
3151	Revisiting the WMAP-NVSS angular cross correlation. A skeptic's view. Astronomy and Astrophysics, 2010, 520, A101.	5.1	35
3152	The blazar content in the <i>Swift </i> -BAT hard X-ray sky. Astronomy and Astrophysics, 2010, 520, A47.	5.1	11
3153	Detection of new point sources in WMAP cosmic microwave background maps at high Galactic latitude. Astronomy and Astrophysics, 2011, 528, A75.	5.1	8
3154	Measuring the integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2011, 534, A51.	5.1	49
3155	Expected constraints on the Galactic magnetic field using <i>Planck </i> data. Astronomy and Astrophysics, 2012, 540, A122.	5.1	12
3156	Asymmetries in the angular distribution of the cosmic microwave background. Astronomy and Astrophysics, 2012, 544, A121.	5.1	5
3157	Removal of two large-scale cosmic microwave background anomalies after subtraction of the integrated Sachs-Wolfe effect. Astronomy and Astrophysics, 2013, 557, A32.	5.1	21
3158	Full-sky CMB lensing reconstruction in presence of sky-cuts. Astronomy and Astrophysics, 2013, 555, A37.	5.1	33
3159	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. Astronomy and Astrophysics, 2014, 571, A17.	5.1	272
3160	<i>Planck</i> 2013 results. XXIV. Constraints on primordial non-Gaussianity. Astronomy and Astrophysics, 2014, 571, A24.	5.1	350
3161	<i>Planck</i> 2013 results. XVI. Cosmological parameters. Astronomy and Astrophysics, 2014, 571, A16.	5.1	4,703
3162	Compressed convolution. Astronomy and Astrophysics, 2014, 561, A88.	5.1	1
3163	Joint <i>Planck</i> and WMAP CMB map reconstruction. Astronomy and Astrophysics, 2014, 563, A105.	5.1	52
3164	Modeling the cross power spectrum of the Sunyaev-Zel'dovich and X-ray surveys. Astronomy and Astrophysics, 2014, 568, A57.	5.1	5
3165	Mapping possible non-Gaussianity in the Planckmaps. Astronomy and Astrophysics, 2015, 573, A114.	5.1	3
3166	Three-dimensional modeling of ionized gas. Astronomy and Astrophysics, 2015, 583, A63.	5.1	4
3167	Allsky NICER and NICEST extinction maps based on the 2MASS near-infrared survey. Astronomy and Astrophysics, 2016, 585, A38.	5.1	19
3168	Testing for foreground residuals in the <i>Planck </i> foreground cleaned maps: A new method for designing confidence masks. Astronomy and Astrophysics, 2015, 578, A44.	5.1	7

#	Article	IF	CITATIONS
3169	Millimeter and submillimeter excess emission in M 33 revealed by <i>Planck </i> and LABOCA. Astronomy and Astrophysics, 2016, 590, A56.	5.1	17
3170	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A17.	5.1	440
3171	GASS: The Parkes Galactic All-Sky Survey. Astronomy and Astrophysics, 2015, 578, A78.	5.1	107
3172	Efficient data structures for masks on 2D grids. Astronomy and Astrophysics, 2015, 580, A132.	5.1	4
3173	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A11.	5.1	613
3174	Towards automatic classification of all WISE sources. Astronomy and Astrophysics, 2016, 592, A25.	5.1	24
3175	Angular distribution of cosmological parameters as a probe of space-time inhomogeneities. Astronomy and Astrophysics, 2016, 592, A102.	5.1	5
3176	Making maps of cosmic microwave background polarization for <i>B</i> -mode studies: the POLARBEAR example. Astronomy and Astrophysics, 2017, 600, A60.	5.1	11
3177	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
3178	Multiwavelength follow-up of a rare IceCube neutrino multiplet. Astronomy and Astrophysics, 2017, 607, A115.	5.1	33
3179	Bayesian power spectrum inference with foreground and target contamination treatment. Astronomy and Astrophysics, 2017, 606, A37.	5.1	14
3180	Measuring the hydrostatic mass bias in galaxy clusters by combining Sunyaev–Zel'dovich and CMB lensing data. Astronomy and Astrophysics, 2018, 610, L4.	5.1	17
3181	The magnetic environment of the Orion-Eridanus superbubble as revealed by <i>Planck</i> . Astronomy and Astrophysics, 2018, 609, L3.	5.1	26
3182	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A3.	5.1	158
3183	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A2.	5.1	72
3184	Sharpening up Galactic all-sky maps with complementary data. Astronomy and Astrophysics, 2018, 620, A64.	5.1	4
3185	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A1.	5.1	804
3186	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A4.	5.1	218

#	Article	IF	CITATIONS
3187	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A12.	5.1	105
3188	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A8.	5.1	400
3189	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A7.	5.1	172
3190	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A9.	5.1	319
3191	Dust polarization modelling at large scale over the northern Galactic cap using EBHIS and <i>Planck</i> data. Astronomy and Astrophysics, 2020, 640, A100.	5.1	8
3192	A compendium of distances to molecular clouds in the Star Formation Handbook. Astronomy and Astrophysics, 2020, 633, A51.	5.1	141
3193	<i>Planck</i> 2018 results. Astronomy and Astrophysics, 2020, 641, A5.	5.1	558
3194	One- and two-point source statistics from the LOFAR Two-metre Sky Survey first data release. Astronomy and Astrophysics, 2020, 643, A100.	5.1	18
3195	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2020, 644, A99.	5.1	4
3196	Modeling the magnetized Local Bubble from dust data. Astronomy and Astrophysics, 2020, 636, A17.	5.1	39
3197	Density and temperature of cosmic-web filaments on scales of tens of megaparsecs. Astronomy and Astrophysics, 2020, 637, A41.	5.1	32
3198	<i>Euclid</i> : The reduced shear approximation and magnification bias for Stage IV cosmic shear experiments. Astronomy and Astrophysics, 2020, 636, A95.	5.1	20
3199	H†I filaments are cold and associated with dark molecular gas. Astronomy and Astrophysics, 2020, 639, A26.	5.1	23
3200	Synthetic observations of spiral arm tracers of a simulated Milky Way analog. Astronomy and Astrophysics, 2020, 642, A201.	5.1	9
3201	Statistical description of dust polarized emission from the diffuse interstellar medium. Astronomy and Astrophysics, 2020, 642, A217.	5.1	20
3202	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2020, 644, A100.	5.1	20
3203	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2020, 643, A42.	5.1	123
3204	A novel CMB polarization likelihood package for large angular scales built from combined WMAP and <i>Planck</i> LFI legacy maps. Astronomy and Astrophysics, 2020, 644, A32.	5.1	9

#	Article	IF	CITATIONS
3205	Testing cosmic anisotropy with Pantheon sample and quasars at high redshifts. Astronomy and Astrophysics, 2020, 643, A93.	5.1	23
3206	A Monte Carlo comparison between template-based and Wiener-filter CMB dipole estimators. Astronomy and Astrophysics, 2020, 643, A179.	5.1	3
3207	Common-envelope evolution with an asymptotic giant branch star. Astronomy and Astrophysics, 2020, 644, A60.	5.1	37
3208	MINOT: Modeling the intracluster medium (non-)thermal content and observable prediction tools. Astronomy and Astrophysics, 2020, 644, A70.	5.1	9
3209	ROMA: A map-making algorithm for polarised CMB data sets. Astronomy and Astrophysics, 2005, 436, 1159-1165.	5.1	48
3210	Structure and dynamics of the Shapley Supercluster. Astronomy and Astrophysics, 2006, 447, 133-144.	5.1	59
3211	An angular power spectrum analysis of the DRAO 1.4 GHz polarization survey: implications for CMB observations. Astronomy and Astrophysics, 2006, 455, L9-L12.	5.1	12
3212	Mapping the large-scale anisotropy in the WMAP data. Astronomy and Astrophysics, 2007, 464, 479-485.	5.1	60
3213	Making maps from Planck LFI 30 GHz data. Astronomy and Astrophysics, 2007, 471, 361-380.	5.1	25
3214	SPEARfar UV spectral imaging of highly ionized emission from the North Galactic Pole region. Astronomy and Astrophysics, 2007, 472, 509-517.	5.1	14
3215	Radio observational constraints on Galactic 3D-emission models. Astronomy and Astrophysics, 2008, 477, 573-592.	5.1	282
3216	Implementation of a Fourier matched filter in CMB analyses. Astronomy and Astrophysics, 2008, 490, 15-23.	5.1	13
3217	Impact of early dark energy on the Planck SZ cluster sample. Astronomy and Astrophysics, 2009, 493, 859-870.	5.1	10
3218	Recent developments in histogram libraries. EPJ Web of Conferences, 2020, 245, 05014.	0.3	2
3219	Multipole Vector Anomalies in the Firstâ€YearWMAPData: A Cutâ€6ky Analysis. Astrophysical Journal, 2005, 635, 750-760.	4.5	74
3220	The Kinematic Structure of Merger Remnants. Astrophysical Journal, 2006, 650, 791-811.	4.5	315
3221	Primordial Nonâ€Gaussianity and Analytical Formula for Minkowski Functionals of the Cosmic Microwave Background and Largeâ€Scale Structure. Astrophysical Journal, 2006, 653, 11-26.	4.5	106
3222	Radiative Transfer Simulations of Cosmic Reionization. I. Methodology and Initial Results. Astrophysical Journal, 2007, 671, 1-13.	4.5	196

#	Article	IF	CITATIONS
3223	COSMIC MICROWAVE BACKGROUND POLARIZATION AND TEMPERATURE POWER SPECTRA ESTIMATION USING LINEAR COMBINATION OF <i>WMAP </i>	4.5	14
3224	INTERSTELLAR NEUTRAL HELIUM IN THE HELIOSPHERE FROM <i>IBEX</i> I) OBSERVATIONS. II. THE WARSAW TEST PARTICLE MODEL (WTPM). Astrophysical Journal, Supplement Series, 2015, 220, 27.	7.7	51
3225	Magnetically induced elastic deformations in model systems of magnetic gels and elastomers containing particles of mixed size. Smart Materials and Structures, 2021, 30, 014003.	3 . 5	11
3226	A new probe of axion-like particles: CMB polarization distortions due to cluster magnetic fields. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 032-032.	5.4	15
3227	Galactic magnetic field bias on inferences from UHECR data. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 047-047.	5 . 4	10
3228	unWISE tomography of Planck CMB lensing. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 047-047.	5.4	42
3229	Impact of polarized galactic foreground emission on CMB lensing reconstruction and delensing of B-modes. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 030-030.	5 . 4	17
3230	Probing dark matter signals in neutrino telescopes through angular power spectrum. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	5.4	15
3231	The Websky extragalactic CMB simulations. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 012-012.	5 . 4	51
3232	Hybrid-basis inference for large-scale galaxy clustering: combining spherical and Cartesian Fourier analyses. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 022-022.	5.4	7
3233	Identifying nearby sources of ultra-high-energy cosmic rays with deep learning. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 005-005.	5 . 4	7
3234	Requirements for future CMB satellite missions: photometric and band-pass response calibration. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 030-030.	5.4	7
3235	Comparison of delensing methodologies and assessment of the delensing capabilities of future experiments. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 058-058.	5.4	13
3236	Planck 2018 constraints on anisotropic birefringence and its cross-correlation with CMB anisotropy. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 066-066.	5.4	23
3237	Taking measurements of the kinematic Sunyaev-Zel'dovich effect <i>forward</i> : including uncertainties from velocity reconstruction with forward modeling. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 011-011.	5 . 4	17
3238	The Atacama Cosmology Telescope: a measurement of the Cosmic Microwave Background power spectra at 98 and 150 GHz. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 045-045.	5.4	148
3239	The Atacama Cosmology Telescope: arcminute-resolution maps of 18 000 square degrees of the microwave sky from ACT 2008–2018 data combined with Planck. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 046-046.	5.4	50
3240	The Atacama Cosmology Telescope: DR4 maps and cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 047-047.	5.4	343

#	Article	IF	CITATIONS
3242	The degeneracy between primordial non-Gaussianity and foregrounds in 21 cm intensity mapping experiments. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4054-4067.	4.4	21
3243	Cosmological constraints from CODEX galaxy clusters spectroscopically confirmed by SDSS-IV/SPIDERS DR16. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4768-4784.	4.4	16
3244	Helicity in the large-scale Galactic magnetic field. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3673-3689.	4.4	8
3245	Characterizing the Gaia radial velocity sample selection function in its native photometry. Monthly Notices of the Royal Astronomical Society, 2020, 500, 397-409.	4.4	14
3246	On the origin of low escape fractions of ionizing radiation from massive star-forming galaxies at high redshift. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5175-5193.	4.4	12
3247	Measuring the integrated Sachs–Wolfe effect from the low-density regions of the universe. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3838-3853.	4.4	11
3248	Dark Energy Survey Year 1 results: the lensing imprint of cosmic voids on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2020, 500, 464-480.	4.4	19
3249	Combining ILC and moment expansion techniques for extracting average-sky signals and CMB anisotropies. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	17
3250	<tt>DAYENU: </tt> a simple filter of smooth foregrounds for intensity mapping power spectra. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5195-5213.	4.4	21
3251	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: large-scale structure catalogues and measurement of the isotropic BAO between redshift 0.6 and 1.1 for the Emission Line Galaxy Sample. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3254-3274.	4.4	62
3252	Cleaning our own dust: simulating and separating galactic dust foregrounds with neural networks. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3889-3897.	4.4	10
3253	The Atacama Cosmology Telescope: a CMB lensing mass map over 2100 square degrees of sky and its cross-correlation with BOSS-CMASS galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2250-2263.	4.4	68
3254	Clustering dark energy imprints on cosmological observables of the gravitational field. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4514-4529.	4.4	16
3255	Likelihood-free inference with neural compression of DES SV weak lensing map statistics. Monthly Notices of the Royal Astronomical Society, 2020, 501, 954-969.	4.4	54
3256	<scp>fink</scp> , a new generation of broker for the LSST community. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3272-3288.	4.4	42
3257	Spin characterization of systematics in CMB surveys $\hat{a}\in$ a comprehensive formalism. Monthly Notices of the Royal Astronomical Society, 2020, 501, 802-832.	4.4	7
3258	Are stellar-mass binary black hole mergers isotropically distributed?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 970-977.	4.4	13
3259	A synthetic <i>Roman Space Telescope </i> High-Latitude Imaging Survey: simulation suite and the impact of wavefront errors on weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2044-2070.	4.4	19

#	Article	IF	CITATIONS
3260	Testing general relativity on cosmological scales at redshift $\langle i \rangle z \langle i \rangle$ $\hat{a}^{1}/4$ 1.5 with quasar and CMB lensing. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1013-1027.	4.4	16
3261	Galaxy clustering in the DESI Legacy Survey and its imprint on the CMB. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1481-1498.	4.4	44
3262	The clustering of DESI-like luminous red galaxies using photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3309-3331.	4.4	85
3263	Measuring the evolution of intergalactic gas from <i>z</i> Â= 0 to 5 using the kinematic Sunyaevâ€"Zel'dovich effect. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1798-1814.	4.4	16
3264	An accurate reconstruction of CMB E-mode signal over large angular scales using prior information of CMB covariance matrix in ILC algorithm. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4877-4887.	4.4	4
3265	CODEX weak lensing mass catalogue and implications on the mass–richness relation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1494-1526.	4.4	6
3266	A multiband map of the natural night sky brightness including <i>Gaia</i> and <i>Hipparcos</i> integrated starlight. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5443-5456.	4.4	26
3267	Bifurcation in the history of Uranus and Neptune: the role of giant impacts. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5336-5353.	4.4	27
3268	Density weighted angular redshift fluctuations: a new cosmological observable. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 503, L56-L61.	3.3	5
3270	Atacama Cosmology Telescope: Constraints on cosmic birefringence. Physical Review D, 2020, 101, .	4.7	50
3271	From bright binaries to bumpy backgrounds: Mapping realistic gravitational wave skies with pulsar-timing arrays. Physical Review D, 2020, 102, .	4.7	36
3272	Accurate analytic model for the weak lensing convergence one-point probability distribution function and its autocovariance. Physical Review D, 2020, 102, .	4.7	17
3273	Towards a soft magnetoelastic twist actuator. Physical Review Research, 2020, 2, .	3.6	13
3274	Variability in the rigid pinna motions of hipposiderid bats and their impact on sensory information encoding. Journal of the Acoustical Society of America, 2020, 147, 469-479.	1.1	5
3275	Combining neutrino experimental light-curves for pointing to the next galactic core-collapse supernova. European Physical Journal C, 2020, 80, 1.	3.9	9
3276	Metric-aware processing of spherical imagery. , 2010, , .		2
3277	LAPM: The Location Aware Prediction Model in Human Sensing Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-12.	2.2	1
3278	Technologies for supporting high-order geodesic mesh frameworks for computational astrophysics and space sciences. Computational Astrophysics and Cosmology, 2020, 7, 1.	22.7	5

#	Article	IF	CITATIONS
3279	Estimation of the covariance function of Gaussian isotropic random fields on spheres, related Rosenblatt-type distributions and the cosmic variance problem. Electronic Journal of Statistics, 2018, 12, .	0.7	8
3280	healpy: equal area pixelization and spherical harmonics transforms for data on the sphere in Python. Journal of Open Source Software, 2019, 4, 1298.	4.6	450
3281	A high-level analysis framework for HAWC. , 2016, , .		7
3282	Strasbourg Astronomical Data Center (CDS). Data Science Journal, 2013, 12, WDS56-WDS60.	1.3	2
3283	Multiple testing of local maxima for detection of peaks on the (celestial) sphere. Bernoulli, 2020, 26, .	1.3	9
3284	rcosmo: R Package for Analysis of Spherical, HEALPix and Cosmological Data. R Journal, 2020, 12, 206.	1.8	7
3285	Sky pixelization for the analysis of extended emission. Physics-Uspekhi, 2013, 56, 801-812.	2.2	5
3287	Spherically Restricted Random Hyperbolic Diffusion. Entropy, 2020, 22, 217.	2.2	10
3288	A CASE AGAINST SPINNING PAHS AS THE SOURCE OF THE ANOMALOUS MICROWAVE EMISSION. Astrophysical Journal, 2016, 827, 45.	4.5	50
3289	The Statistics of Extended Debris Disks Measured with Gaia and Planck. Astronomical Journal, 2020, 159, 210.	4.7	4
3290	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. Astronomical Journal, 2020, 160, 83.	4.7	96
3291	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. Astronomical Journal, 2020, 160, 82.	4.7	85
3292	An Enhanced Method for Scheduling Observations of Large Sky Error Regions for Finding Optical Counterparts to Transients. Astrophysical Journal, 2017, 838, 108.	4.5	22
3293	Detectability of Modulated X-Rays from LISA's Supermassive Black Hole Mergers. Astrophysical Journal, 2019, 886, 146.	4.5	16
3294	The Galaxy Power Spectrum from TGSS ADR1 and the Effect of Flux Calibration Systematics. Astrophysical Journal, 2019, 887, 175.	4.5	11
3295	Deciphering Residual Emissions: Time-dependent Models for the Nonthermal Interstellar Radiation from the Milky Way. Astrophysical Journal, 2019, 887, 250.	4.5	18
3296	Predictions of Cosmic Microwave Background Foreground Dust Polarization Using Velocity Gradients. Astrophysical Journal, 2020, 888, 96.	4.5	19
3297	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: 40 GHz Telescope Pointing, Beam Profile, Window Function, and Polarization Performance. Astrophysical Journal, 2020, 891, 134.	4.5	22

#	Article	IF	CITATIONS
3298	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. Astrophysical Journal, 2020, 893, 102.	4.5	11
3299	An Examination of Galactic Polarization with Application to the Planck TB Correlation. Astrophysical Journal, 2020, 893, 119.	4.5	8
3300	The Gravitational Wave Treasure Map: A Tool to Coordinate, Visualize, and Assess the Electromagnetic Follow-up of Gravitational-wave Events. Astrophysical Journal, 2020, 894, 127.	4.5	26
3301	A Cross-correlation Study of High-energy Neutrinos and Tracers of Large-scale Structure. Astrophysical Journal, 2020, 894, 112.	4.5	14
3302	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. Astrophysical Journal, 2020, 897, 55.	4.5	41
3303	Fitting the Nonlinear Matter Bispectrum by the Halofit Approach. Astrophysical Journal, 2020, 895, 113.	4.5	33
3304	Measuring HERA's Primary Beam in Situ: Methodology and First Results. Astrophysical Journal, 2020, 897, 5.	4.5	8
3305	An Application of the Global ILC Algorithm over Large Angular Scales to Estimate the CMB Posterior Using Gibbs Sampling. Astrophysical Journal, 2020, 897, 30.	4.5	9
3306	The Interaction of Type lax Supernova Ejecta with a Helium Companion Star. Astrophysical Journal, 2020, 898, 12.	4.5	19
3307	Diffuse Ionized Gas in Simulations of Multiphase, Star-forming Galactic Disks. Astrophysical Journal, 2020, 897, 143.	4.5	24
3308	Quantifying the Stellar Halo's Response to the LMC's Infall with Spherical Harmonics. Astrophysical Journal, 2020, 898, 4.	4.5	36
3309	The Power Spectra of Polarized, Dusty Filaments. Astrophysical Journal, 2020, 899, 31.	4.5	22
3310	Extracting the Cold Neutral Medium from H i Emission with Deep Learning: Implications for Galactic Foregrounds at High Latitude. Astrophysical Journal, 2020, 899, 15.	4.5	22
3311	Bayesian Dynamic Mapping of an Exo-Earth from Photometric Variability. Astrophysical Journal, 2020, 900, 48.	4.5	7
3312	Cross-correlation of Far-infrared Background Anisotropies and CMB Lensing from Herschel and Planck Satellites. Astrophysical Journal, 2020, 901, 34.	4.5	8
3313	The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations with LyαÂForests. Astrophysical Journal, 2020, 901, 153.	4.5	174
3314	The Cosmic Thermal History Probed by Sunyaev–Zeldovich Effect Tomography. Astrophysical Journal, 2020, 902, 56.	4.5	36
3315	Maps of the Number of H i Clouds along the Line of Sight at High Galactic Latitude. Astrophysical Journal, 2020, 902, 120.	4.5	13

#	ARTICLE	IF	CITATIONS
3316	Full-sky Cosmic Microwave Background Foreground Cleaning Using Machine Learning. Astrophysical Journal, 2020, 903, 104.	4.5	26
3317	Cross-correlation between Subaru Hyper Suprime-Cam Galaxy Weak Lensing and Planck Cosmic Microwave Background Lensing. Astrophysical Journal, 2020, 904, 182.	4.5	18
3318	Modeling of the Effects of Stellar Feedback during Star Cluster Formation Using a Hybrid Gas and N-Body Method. Astrophysical Journal, 2020, 904, 192.	4.5	26
3319	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76.	4.5	99
3320	Modeling the Galactic Foreground and Beam Chromaticity for Global 21 cm Cosmology. Astrophysical Journal, 2020, 905, 113.	4. 5	11
3321	Inpainting Galactic Foreground Intensity and Polarization Maps Using Convolutional Neural Networks. Astrophysical Journal, 2020, 905, 143.	4.5	14
3322	Constraining the Halo Mass of Damped Lyl̂± Absorption Systems (DLAs) at zÂ=Â2–3.5 Using the Quasar-CMB Lensing Cross-correlation. Astrophysical Journal, 2020, 905, 176.	4.5	7
3323	Hemispheric Handedness in the Galactic Synchrotron Polarization Foreground. Astrophysical Journal Letters, 2020, 896, L14.	8.3	3
3324	A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. Astrophysical Journal Letters, 2020, 900, L33.	8.3	74
3325	The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light. Astrophysical Journal Letters, 2020, 903, L13.	8.3	15
3326	The Lyman Continuum Escape Survey: Connecting Time-dependent [O iii] and [O ii] Line Emission with Lyman Continuum Escape Fraction in Simulations of Galaxy Formation. Astrophysical Journal Letters, 2020, 902, L39.	8.3	26
3327	Search for a positron anisotropy with PAMELA experiment. ASTRA Proceedings, 0, 2, 17-20.	0.0	1
3328	Diffuse synchrotron emission from galactic cosmic ray electrons. ASTRA Proceedings, 0, 2, 21-26.	0.0	5
3329	The power spectrum of cosmic ray arrival directions. ASTRA Proceedings, 0, 2, 45-49.	0.0	1
3330	NVST DATA ARCHIVING SYSTEM BASED ON FASTBIT NOSQL DATABASE. Journal of the Korean Astronomical Society, 2014, 47, 115-122.	1.5	7
3331	MONTE-CARLO RADIATIVE TRANSFER MODEL OF THE DIFFUSE GALACTIC LIGHT. Journal of the Korean Astronomical Society, 2015, 48, 57-66.	1.5	7
3332	The structure of the yeast Ctf3 complex. ELife, 2019, 8, .	6.0	15
3333	Galaxy–galaxy lensing with the DES-CMASS catalogue: measurement and constraints on the galaxy-matter cross-correlation. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2033-2047.	4.4	6

#	Article	IF	CITATIONS
3334	Dark Energy Survey Year 3 results: galaxy sample for BAO measurement. Monthly Notices of the Royal Astronomical Society, 2021, 509, 778-799.	4.4	8
3335	The large-scale monopole of the power spectrum in a Euclid-like survey: wide-angle effects, lensing, and the  finger of the observer'. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1626-1645.	4.4	7
3336	Constraints on equivalence principle violation from gamma ray bursts. Physical Review D, 2021, 104, .	4.7	5
3337	Dissecting the Inner Galaxy with <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>l³</mml:mi></mml:math> -Ray Pixel Count Statistics. Physical Review Letters, 2021, 127, 161102.	7.8	17
3338	Fallback Supernova Assembly of Heavy Binary Neutron Stars and Light Black Hole–Neutron Star Pairs and the Common Stellar Ancestry of GW190425 and GW200115. Astrophysical Journal Letters, 2021, 920, L17.	8.3	12
3339	The Atacama Cosmology Telescope: Microwave Intensity and Polarization Maps of the Galactic Center. Astrophysical Journal, 2021, 920, 6.	4.5	10
3340	Eridanus IV: an Ultra-faint Dwarf Galaxy Candidate Discovered in the DECam Local Volume Exploration Survey. Astrophysical Journal Letters, 2021, 920, L44.	8.3	24
3341	The halo light-cone catalogues of <scp>AbacusSummit</scp> . Monthly Notices of the Royal Astronomical Society, 2021, 509, 2194-2208.	4.4	8
3342	Growth of Abraded Crystals Tracked in Three Dimensions. Crystal Growth and Design, 2021, 21, 6373-6384.	3.0	3
3343	Constraining cosmology with a new all-sky Compton parameter map from the <i>Planck</i> PR4 data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 300-313.	4.4	12
3344	Lunar Crater Identification in Digital Images. Journal of the Astronautical Sciences, 2021, 68, 1056-1144.	1.5	18
3345	Bayesian estimation of our local motion from the Planck-2018 CMB temperature map. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 072.	5.4	17
3346	The BAyesian STellar algorithm (<tt>BASTA</tt>): a fitting tool for stellar studies, asteroseismology, exoplanets, and Galactic archaeology. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4344-4364.	4.4	26
3347	SKAO H <scp>i</scp> intensity mapping: blind foreground subtraction challenge. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2048-2074.	4.4	30
3348	Free-moving Quantitative Gamma-ray Imaging. Scientific Reports, 2021, 11, 20515.	3.3	12
3349	The growth of density perturbations in the last $\hat{a}^{-1}/410$ billion years from tomographic large-scale structure data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 030.	5.4	36
3350	Resolving the Formation of Cold H i Filaments in the High-velocity Cloud Complex C. Astrophysical Journal, 2021, 921, 11.	4.5	16
3351	New Sky Pattern Recognition Algorithm. Lecture Notes in Computer Science, 2008, , 749-758.	1.3	1

#	Article	IF	CITATIONS
3353	The Interstellar Boundary Explorer Science Operations Center. , 2009, , 207-234.		2
3354	Using the large scale quasar clustering to constrain flat quintessential universes. Astronomy and Astrophysics, 2009, 498, 347-355.	5.1	0
3355	Ion-Channeling in Direct Dark Matter Crystalline Detectors. , 2011, , .		0
3356	Efficient Calculation of Covariances for Astrometric Data in the Gaia Catalogue. , 2012, , 133-141.		O
3357	Estimation of Moments on the Sphere by Means of Fast Convolution. Lecture Notes in Statistics, 2012, , 487-489.	0.2	0
3358	The Sky Pixelization for Cosmic Microwave Background Mapping. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2012, , .	0.2	1
3359	Cross-Identification of Sources. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2012, , .	0.2	0
3360	Poisson Noise Removal in Spherical Multichannel Images: Application to Fermi Data. , 0, , .		0
3361	Poisson Noise Removal in Spherical Multichannel Images. Chapman $\&$ Hall/CRC Data Mining and Knowledge Discovery Series, 2012, , .	0.2	0
3362	Lattice Functions in \$\$mathbb{R}^q\$\$., 2013,, 427-482.		0
3363	Introduction: Geomathematical Motivation., 2013,, 1-21.		0
3364	lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		0
3365	Spherical Harmonics in $\$\{mathbb{R}\}^{q}$, , 2013, , 285-345.		0
3366	Lattice Functions in \$\$mathbb{R}\$\$., 2013,, 395-425.		0
3367	Scalar Spherical Harmonics in $\$$ mathbb $\{R\}^3$ $\$$., 2013, , 113-210.		0
3369	Extending the Analysis of the WMAP 7-Year Data. Springer Theses, 2013, , 87-107.	0.1	0
3370	Scaling Indices Applied to the WMAP 5-Year Data. Springer Theses, 2013, , 53-77.	0.1	0
3372	Surrogates and Scaling Indices Applied to the WMAP 7-Year Data. Springer Theses, 2013, , 79-86.	0.1	0

#	Article	IF	CITATIONS
3373	Applying the Surrogate Approach to Incomplete Skies. Springer Theses, 2013, , 109-119.	0.1	0
3374	LOCAL ANOMALIES AROUND THE THIRD PEAK IN THE CMB ANGULAR POWER SPECTRUM OF WMAP 7-YEAR DATA. Journal of the Korean Astronomical Society, 2013, 46, 75-91.	1.5	O
3375	Multidimensional Wavelets and Generalizations. Theoretical and Mathematical Physics (United) Tj ETQq0 0 0 rgBT	Overlock	10 Tf 50 66
3376	Discrete Wavelet Transforms. Theoretical and Mathematical Physics (United States), 2014, , 379-410.	0.0	11
3377	Wavelets. Theoretical and Mathematical Physics (United States), 2014, , 347-377.	0.0	0
3378	A Nebula in Your Computer: Simulating the Physics and Chemistry of an H ii Region. Thirty Years of Astronomical Discovery With UKIRT, 2014, , 205-208.	0.3	O
3379	Unravelling the iSW Effect Through the Matter Distribution. Springer Theses, 2014, , 15-49.	0.1	0
3380	Effects of a Momentum Driven Stellar Wind on the Surrounding ISM. Thirty Years of Astronomical Discovery With UKIRT, 2014, , 215-216.	0.3	1
3381	First Light with the HAWC Gamma-Ray Observatory. , 2014, , .		0
3384	Interactive Relighting of Virtual Objects under Environment Lighting. , 2015, , .		O
3386	VOIDS LENSING OF THE CMB AT HIGH RESOLUTION. Publications of the Korean Astronomical Society, 2015, 30, 397-399.	0.0	0
3387	A solution to the cosmic ray anisotropy problem. ASTRA Proceedings, 0, 2, 51-55.	0.0	0
3388	Analysis Techniques for WMAPÂ Polarisation Data. Springer Theses, 2016, , 25-61.	0.1	0
3389	Problems of CMB Data Registration and Analysis. Thirty Years of Astronomical Discovery With UKIRT, 2016, , 167-228.	0.3	0
3390	Observation of Anisotropy in Cosmic-Ray Arrival Directions with the IceCube Observatory. , 2016, , .		0
3391	TeV Observations of the Galactic Plane with HAWC and Joint Analysis of GeV Data from Fermi., 2016, , .		1
3392	The FRaNKIE code: a tool for calculating multi-wavelength interstellar emissions in galaxies. , 2016, , .		3
3393	AMON Searches for Jointly-Emitting Neutrino + Gamma-Ray Transients. , 2016, , .		0

#	Article	IF	CITATIONS
3394	Full-Sky Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC., 2016,,.		1
3395	The Galactic cosmic-ray Sun shadow observed by HAWC. , 2016, , .		1
3396	Cosmic Polarization Rotation in view of the Recent CMB experiments. , 2016, , .		0
3397	Joint Representation of Connectome-Scale Structural and Functional Profiles for Identification of Consistent Cortical Landmarks in Human Brains. Lecture Notes in Computer Science, 2017, , 398-406.	1.3	1
3398	HX-MATCH: In-Memory Cross-Matching Algorithm for Astronomical Big Data. Lecture Notes in Computer Science, 2017, , 411-415.	1.3	3
3399	Roadmap for searching cosmic rays correlated with the extraterrestrial neutrinos seen at IceCube. Physical Review D, 2017, 95, .	4.7	3
3400	The Interstellar Radiation Field of the Milky Way in Three Spatial Dimensions. , 2017, , .		0
3401	High Energy Neutrino expectations from the Central Molecular Zone. , 2017, , .		2
3402	Confirmation of Intervening Filaments of Galaxies at the Redshifts of Chandra WHIM Absorption Features. Research Notes of the AAS, 2017, 1, 17.	0.7	0
3403	Measurement of anisotropies in cosmic ray arrival directions with the AMS Detector on the Space Station. , 2017 , , .		0
3404	GpDL: A Spatially Aggregated Data Layout for Long-Term Astronomical Observation Archive. Lecture Notes in Computer Science, 2018, , 524-537.	1.3	1
3405	HyGrid: A CPU-GPU Hybrid Convolution-Based Gridding Algorithm in Radio Astronomy. Lecture Notes in Computer Science, 2018, , 621-635.	1.3	5
3406	Using Recurrent Neural Networks for Toponym Resolution in Text. Lecture Notes in Computer Science, 2019, , 769-780.	1.3	4
3411	Suppressing the Thermal SZ-induced Variance in CMB-cluster Lensing Estimators. Astrophysical Journal, 2020, 888, 9.	4.5	5
3412	Query Processing and Access Methods for Big Astro and Geo Databases. , 2020, , 159-171.		1
3413	Telescope Array search for EeV photons. Journal of Physics: Conference Series, 2020, 1468, 012076.	0.4	0
3414	Determining shape of strawberry crops with spherical harmonics. , 2020, , .		2
3415	Coincident Sunyaev–Zel'dovich and Gamma-Ray Signals from Cluster Virial Shocks. Astrophysical Journal, 2020, 895, 72.	4.5	4

#	Article	IF	CITATIONS
3416	Cosmological Parameter Estimation from the Two-dimensional Genus Topology: Measuring the Shape of the Matter Power Spectrum. Astrophysical Journal, 2020, 896, 145.	4.5	9
3417	Accelerating linear system solvers for time-domain component separation of cosmic microwave background data. Astronomy and Astrophysics, 2020, 638, A73.	5.1	1
3418	A Monte Carlo Implementation of Galactic Free–Free Emission for the EoR Foreground Models. Astrophysical Journal, Supplement Series, 2020, 249, 2.	7.7	0
3419	Comparison of the Planck 2018 CMB polarization maps in the BICEP2/Keck region. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 023-023.	5.4	0
3420	The Quest for the Missing Dust. I. Restoring Large-scale Emission in Herschel Maps of Local Group Galaxies. Astrophysical Journal, 2021, 921, 35.	4.5	5
3421	Kinematics of Antlia 2 and Crater 2 from the Southern Stellar Stream Spectroscopic Survey (S) Tj ETQq1 1 0.784	814.rgBT / 4.5	Overlock 10 42
3422	The Crab Nebula as a Calibrator for Wide-beam Cosmic Microwave Background Polarization Surveys. Astrophysical Journal, 2021, 921, 34.	4.5	3
3423	Current observations are insufficient to confidently associate the binary black hole merger GW190521 with AGN J124942.3 + 344929. Classical and Quantum Gravity, 2021, 38, 235004.	4.0	36
3424	The Orbit of Planet Nine. Astronomical Journal, 2021, 162, 219.	4.7	23
3425	The density distributions of cosmic structures: impact of the local environment on weak-lensing convergence. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
3426	The Python Sky Model 3 software. Journal of Open Source Software, 2021, 6, 3783.	4.6	9
3427	ASAS-SN search for optical counterparts of gravitational-wave events from the third observing run of Advanced LIGO/Virgo. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3427-3440.	4.4	14
3428	Heterogeneous computing platform for backend computing tasks. , 2020, , 271-303.		0
3429	Developing the GOTO telescope control system. , 2020, , .		3
3430	Cross-correlation of Planck CMB lensing with DESI-like LRGs. Monthly Notices of the Royal Astronomical Society, 2021, 501, 6181-6198.	4.4	20
3431	Simulation of the cosmic ray effects for the LiteBIRD satellite observing the CMB B-mode polarization. , 2020, , .		0
3432	HCGrid: a convolution-based gridding framework for radio astronomy in hybrid computing environments. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2734-2744.	4.4	5
3433	LOC program for line radiative transfer. Astronomy and Astrophysics, 2020, 644, A151.	5.1	11

#	Article	IF	CITATIONS
3434	Can supernova shells feed supermassive black holes in galactic nuclei?. Astronomy and Astrophysics, 2020, 644, A72.	5.1	5
3435	Assessing membership projection errors in star forming regions. Astronomy and Astrophysics, 2020, 644, A141.	5.1	0
3436	Mapping dark matter on the celestial sphere with weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4480-4497.	4.4	7
3437	TRINITY: A three-dimensional time-dependent radiative transfer code for in-vivo near-infrared imaging. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107948.	2.3	4
3438	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4982-4996.	4.4	9
3439	Multi-Hybrid Accelerated Simulation by GPU and FPGA on Radiative Transfer Simulation in Astrophysics. Journal of Information Processing, 2020, 28, 1073-1089.	0.4	8
3440	Semianalytical approach for sky localization of gravitational waves. Physical Review D, 2021, 104, .	4.7	1
3441	The PLATO field selection process. Astronomy and Astrophysics, 2022, 658, A31.	5.1	20
3442	Detailed study of HWP non-idealities and their impact on future measurements of CMB polarization anisotropies from space. Astronomy and Astrophysics, 2022, 658, A15.	5.1	3
3443	A new way to test the Cosmological Principle: measuring our peculiar velocity and the large-scale anisotropy independently. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 009.	5.4	24
3444	Testing the Strong Equivalence Principle. II. Relating the External Field Effect in Galaxy Rotation Curves to the Large-scale Structure of the Universe. Astrophysical Journal, 2021, 921, 104.	4.5	29
3445	Simultaneous Estimation of Large-scale Structure and Milky Way Dust Extinction from Galaxy Surveys. Astrophysical Journal, 2021, 921, 108.	4.5	1
3446	GWOPS: A VO-technology Driven Tool to Search for the Electromagnetic Counterpart of Gravitational Wave Event. Publications of the Astronomical Society of the Pacific, 2020, 132, 104501.	3.1	1
3447	On the Impact of Random Residual Calibration Error on the Gibbs ILC CMB Estimates over Large Angular Scales. Astrophysical Journal, 2020, 902, 69.	4.5	2
3448	Baryon density extraction and isotropy analysis of cosmic microwave background using deep learning. Machine Learning: Science and Technology, 2020, 1, 045012.	5.0	2
3449	Eigenspectra: a framework for identifying spectra from 3D eclipse mapping. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5151-5162.	4.4	9
3450	magritte, a modern software library for 3D radiative transfer $\hat{a} \in \mathbb{N}$ II. Adaptive ray-tracing, mesh construction, and reduction. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5194-5204.	4.4	10
3451	Simulated predictions for Hâ \in ‰i at z = 3.35 with the Ooty Wide Field Array (OWFA) â \in " II. Foreground avoidance. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4398-4413.	4.4	3

#	Article	IF	CITATIONS
3453	PRIN/SPRIN: On Extracting Point-Wise Rotation Invariant Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9489-9502.	13.9	5
3455	Angular clustering properties of the DESI QSO target selection using DR9 Legacy Imaging Surveys. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3904-3923.	4.4	11
3456	Synthetic galaxy clusters and observations based on Dark Energy Survey Year 3 Data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4865-4885.	4.4	1
3457	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. Astrophysical Journal, 2021, 922, 42.	4. 5	40
3458	Exploring the Solar System with the NOIRLab Source Catalog I: Detecting Objects with CANFind. Astronomical Journal, 2021, 162, 244.	4.7	1
3459	A map of diffuse radio emission at 182 MHz to enhance epoch of reionization observations in the Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2011-2024.	4.4	12
3460	Jointly setting upper limits on multiple components of an anisotropic stochastic gravitational-wave background. Physical Review D, 2021, 104, .	4.7	4
3461	The Statistical Analysis of Anisotropy Fluctuations of CMB Temperature in Angular Spatial and Temporal Areas. Journal of Physics: Conference Series, 2021, 2081, 012035.	0.4	O
3462	Anomalies in the topology of the temperature fluctuations in the cosmic microwave background: An analysis of the NPIPE and FFP10 data releases. Astronomy and Astrophysics, 2022, 659, A115.	5.1	4
3463	Survey of Surveys. Astronomy and Astrophysics, 2022, 659, A95.	5.1	23
3464	<i>Euclid</i> : Forecasts from redshift-space distortions and the Alcock–Paczynski test with cosmic voids. Astronomy and Astrophysics, 2022, 658, A20.	5.1	25
3465	Fast Scalar Quadratic Maximum Likelihood Estimators for the CMB B-mode Power Spectrum. Astrophysical Journal, Supplement Series, 2021, 257, 27.	7.7	3
3466	Photo-astrometric distances, extinctions, and astrophysical parameters for $\langle i \rangle$ Gaia $\langle i \rangle$ EDR3 stars brighter than $\langle i \rangle$ G $\langle i \rangle$ = 18.5. Astronomy and Astrophysics, 2022, 658, A91.	5.1	106
3467	Cosmic Flow Measurement and Mock Sampling Algorithm of Cosmicflows-4 Tullyâ°'Fisher Catalog. Astrophysical Journal, 2021, 922, 59.	4.5	7
3468	Multi-frequency point source detection with fully convolutional networks: Performance in realistic microwave sky simulations. Astronomy and Astrophysics, 0, , .	5.1	2
3469	A high-resolution view of the filament of gas between AbellÂ399 and AbellÂ401 from the Atacama Cosmology Telescope and MUSTANG-2. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3335-3355.	4.4	14
3470	The Photo-Astrometric vertical tracer density of the Milky Way – I. The method. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2390-2404.	4.4	5
3471	The Kaiser-Rocket effect: three decades and counting. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 027.	5.4	4

#	Article	IF	CITATIONS
3472	Limits on Polarized Dust Spectral Index Variations for CMB Foreground Analysis. Astrophysical Journal, 2021, 921, 175.	4.5	3
3473	ESASky SSOSS: Solar System Object Search Service and the case of Psyche. Astronomy and Astrophysics, 2022, 659, A38.	5.1	4
3474	Intensity and anisotropies of the stochastic gravitational wave background from merging compact binaries in galaxies. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 032.	5.4	21
3475	The science case for LIGO-India. Classical and Quantum Gravity, 2022, 39, 025004.	4.0	48
3476	The BINGO project. Astronomy and Astrophysics, 2022, 664, A15.	5.1	16
3477	<scp>via machinae /scp>: Searching for stellar streams using unsupervised machine learning. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5992-6007.</scp>	4.4	17
3478	Single frequency CMB B-mode inference with realistic foregrounds from a single training image. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L1-L6.	3.3	9
3479	Cosmological particle production and pairwise hotspots on the CMB. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
3480	An efficient RTL buffering scheme for an FPGA-accelerated simulation of diffuse radiative transfer. , 2021, , .		0
3481	Revisiting the Distance to Radio Loops I and IV Using Gaia and Radio/Optical Polarization Data. Astrophysical Journal, 2021, 922, 210.	4.5	20
3482	The Rapid ASKAP Continuum Survey Paper II: First Stokes I Source Catalogue Data Release. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	46
3483	Galactic Foreground Constraints on Primordial B-mode Detection for Ground-based Experiments. Astrophysical Journal, 2022, 924, 11.	4.5	2
3484	Impact of survey geometry and super-sample covariance on future photometric galaxy surveys. Astronomy and Astrophysics, 2022, 659, A128.	5.1	6
3485	Simons Observatory: Constraining inflationary gravitational waves with multitracer <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode delensing. Physical Review D, 2022, 105, .	4.7	13
3486	A bimodal distribution of haze in Pluto's atmosphere. Nature Communications, 2022, 13, 240.	12.8	5
3487	Echoes of the past: ultra-high-energy cosmic rays accelerated by radio galaxies, scattered by starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 448-456.	4.4	9
3488	OpenCL-enabled Parallel Raytracing for Astrophysical Application on Multiple FPGAs with Optical Links. , 2020, , .		6
3489	Learning initial trajectory using sequence-to-sequence approach to warm start an optimization-based motion planner., 2021,,.		0

#	ARTICLE	IF	CITATIONS
3490	Extracting the Galactic Center excess' source-count distribution with neural nets. Physical Review D, 2021, 104, .	4.7	12
3491	The effect of cosmic variance on the characteristics of dust polarization power spectra. Astronomy and Astrophysics, 2022, 658, A134.	5.1	4
3492	Comparison of maximum-likelihood mapping methods for gravitational-wave backgrounds. Physical Review D, 2022, 105, .	4.7	7
3493	Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2665-2687.	4.4	31
3494	Data-driven Expectations for Electromagnetic Counterpart Searches Based on LIGO/Virgo Public Alerts. Astrophysical Journal, 2022, 924, 54.	4.5	56
3495	Joint constraints on cosmology and the impact of baryon feedback: Combining KiDS-1000 lensing with the thermal Sunyaev–Zeldovich effect from ⟨i⟩Planck⟨ i⟩ and ACT. Astronomy and Astrophysics, 2022, 660, A27.	5.1	32
3496	Joint constraints on the galaxy cluster pressure profile from Planck and SPT-SZ. EPJ Web of Conferences, 2022, 257, 00031.	0.3	1
3497	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. Astrophysical Journal, Supplement Series, 2022, 258, 15.	7.7	21
3498	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to data calibration. Physical Review D, 2022, 105, .	4.7	151
3499	Inferring dark matter substructure with astrometric lensing beyond the power spectrum. Machine Learning: Science and Technology, 2022, 3, 01LT03.	5.0	4
3500	Multi Order Coverage data structure to plan multi-messenger observations. Astronomy and Computing, 2022, 39, 100547.	1.7	1
3501	In-flight polarization angle calibration for LiteBIRD: blind challenge and cosmological implications. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	9
3502	Dust distributions in the magellanic clouds. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1317-1329.	4.4	9
3503	WODEN: A CUDA-enabled package to simulate low-frequency radio interferometric data. Journal of Open Source Software, 2022, 7, 3676.	4.6	3
3504	The RapidXMM upper limit server: X-ray aperture photometry of the <i>XMM-Newton</i> archival observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4265-4284.	4.4	10
3505	Optimal machine-driven acquisition of future cosmological data. Astronomy and Astrophysics, 2022, 657, L17.	5.1	3
3506	Give Me a Few Hours: Exploring Short Timescales in Rubin Observatory Cadence Simulations. Astrophysical Journal, Supplement Series, 2022, 258, 13.	7.7	8
3507	Validation of the HERA Phase I Epoch of Reionization 21 cm Power Spectrum Software Pipeline. Astrophysical Journal, 2022, 924, 85.	4.5	11

#	Article	IF	Citations
3508	Stellar winds and photoionization in a spiral arm. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5592-5602.	4.4	11
3509	SPIIR online coherent pipeline to search for gravitational waves from compact binary coalescences. Physical Review D, 2022, 105, .	4.7	31
3510	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2075-2104.	4.4	34
3511	The BINGO project. Astronomy and Astrophysics, 2022, 664, A18.	5.1	14
3512	Intrinsic alignments of the extended radio continuum emission of galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3844-3862.	4.4	2
3513	Multi-hetero Acceleration by GPU and FPGA for Astrophysics Simulation on oneAPI Environment., 2022, , .		12
3514	Improved galactic foreground removal for B-mode detection with clustering methods. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2052-2074.	4.4	6
3515	Investigating non-Gaussianity in Cosmic Microwave Background temperature maps using spherical harmonic phases. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 001.	5.4	0
3516	Inferring Kilonova Population Properties with a Hierarchical Bayesian Framework. I. Nondetection Methodology and Single-event Analyses. Astrophysical Journal, 2022, 925, 58.	4.5	3
3517	Harmonic analysis of isotropic fields on the sphere with arbitrary masks. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 038.	5.4	1
3518	Cross-correlation of Planck cosmic microwave background lensing with DESI galaxy groups. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3548-3560.	4.4	8
3519	Quasars with large proper motions: A selection from the LQAC-5 catalogue combined with <i>Gaia</i> EDR3. Astronomy and Astrophysics, 2022, 660, A16.	5.1	13
3520	<i>Gaia</i> -predicted brown dwarf detection rates around FGK stars in astrometry, radial velocity, and photometric transits. Astronomy and Astrophysics, 2022, 661, A151.	5.1	7
3521	Establishing the X-ray source detection strategy for eROSITA with simulations. Astronomy and Astrophysics, 2022, 661, A27.	5.1	18
3522	Cosmological constraints from the tomographic cross-correlation of DESI Luminous Red Galaxies and Planck CMB lensing. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 007.	5.4	52
3523	<scp>Cosmic-kite</scp> : auto-encoding the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5525-5535.	4.4	0
3524	Magnetic field strength in cosmic web filaments. Monthly Notices of the Royal Astronomical Society, 2022, 512, 945-959.	4.4	19
3525	Detecting Oceans on Exoplanets with Phase-dependent Spectral Principal Component Analysis. Planetary Science Journal, 2022, 3, 33.	3.6	5

#	Article	IF	CITATIONS
3526	Moment expansion of polarized dust SED: A new path towards capturing the CMB <i>B</i> -modes with LiteBIRD. Astronomy and Astrophysics, 2022, 660, A111.	5.1	12
3527	CMASS galaxy sample and the ontological status of the cosmological principle. Astronomy and Astrophysics, 2022, 660, A139.	5.1	8
3528	CMB/kSZ and Compton-y Maps from 2500 deg ² of SPT-SZ and Planck Survey Data. Astrophysical Journal, Supplement Series, 2022, 258, 36.	7.7	22
3529	A pixelated approach to galaxy catalogue incompleteness: improving the dark siren measurement of the Hubble constant. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1127-1140.	4.4	21
3530	<i>Euclid</i> preparation. Astronomy and Astrophysics, 2022, 662, A93.	5.1	18
3531	Dark Energy Survey Year 3 results: A 2.7% measurement of baryon acoustic oscillation distance scale at redshift 0.835. Physical Review D, 2022, 105, .	4.7	36
3532	The RayGalGroupSims cosmological simulation suite for the study of relativistic effects: An application to lensing-matter clustering statistics. Astronomy and Astrophysics, 2022, 661, A90.	5.1	7
3533	A selection function toolbox for subsets of astronomical catalogues. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4626-4638.	4.4	2
3534	INTEGRAL/IBIS 17-yr hard X-ray all-sky survey. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4796-4807.	4.4	22
3535	The Impact of Observing Strategy on the Reliable Classification of Standard Candle Stars: Detection of Amplitude, Period, and Phase Modulation (Blazhko Effect) of RR Lyrae Stars with LSST. Astrophysical Journal, Supplement Series, 2022, 258, 4.	7.7	4
3536	Cosmological simulations of number counts. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 021.	5.4	7
3537	Cosmological constraints from unWISE and Planck CMB lensing tomography. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 028.	5.4	51
3538	Deep learning simulations of the microwave sky. Physical Review D, 2021, 104, .	4.7	8
3539	Fabulous code for spherical Fourier-Bessel decomposition. Physical Review D, 2021, 104, .	4.7	10
3540	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. Astrophysical Journal, 2021, 923, 2.	4.5	20
3541	Preparing to Discover the Unknown with Rubin LSST: Time Domain. Astrophysical Journal, Supplement Series, 2022, 258, 2.	7.7	10
3542	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star–Black Hole Merger GW190814. Astrophysical Journal, 2021, 923, 258.	4.5	19
3543	Anomaly Detection in Catalog Streams. IEEE Transactions on Big Data, 2023, 9, 294-311.	6.1	1

#	Article	IF	CITATIONS
3544	Trapping of H <scp>ii</scp> regions in Population III star formation. Monthly Notices of the Royal Astronomical Society, 2022, 512, 116-136.	4.4	16
3545	<tt>KaRMMa</tt> – kappa reconstruction for mass mapping. Monthly Notices of the Royal Astronomical Society, 2022, 512, 73-85.	4.4	6
3546	Stochastic Gravitational-Wave Backgrounds: Current Detection Efforts and Future Prospects. Galaxies, 2022, 10, 34.	3.0	40
3547	Gamma-ray polarimetry of the Crab pulsar observed by <i>POLAR</i> . Monthly Notices of the Royal Astronomical Society, 2022, 512, 2827-2840.	4.4	5
3548	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. International Journal of Modern Physics D, O, , .	2.1	0
3549	The Main Statistical and Kinematic Properties of the Gaia EDR3 Catalog. Herald of the Russian Academy of Sciences, 2022, 92, 49-64.	0.6	0
3550	Farpoint: A High-resolution Cosmology Simulation at the Gigaparsec Scale. Astrophysical Journal, Supplement Series, 2022, 259, 15.	7.7	9
3551	Leverage on small-scale primordial non-Gaussianity through cross-correlations between CMB <i>E</i> >.mode and $\hat{1}\frac{1}{4}$ -distortion anisotropies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 455-470.	4.4	5
3552	Neutron Star–Neutron Star and Neutron Star–Black Hole Mergers: Multiband Observations and Early Warnings. Astrophysical Journal, 2022, 926, 158.	4.5	13
3553	All-sky analysis of astrochronometric signals induced by gravitational waves. Physical Review D, 2022, 105, .	4.7	1
3554	Cold and hot gas distribution around the Milky-Way – M31 system in the HESTIA simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3717-3737.	4.4	9
3555	The Second Catalog of Interplanetary Network Localizations of Konus Short-duration Gamma-Ray Bursts. Astrophysical Journal, Supplement Series, 2022, 259, 34.	7.7	2
3556	BEYONDPLANCK. Astronomy and Astrophysics, 2023, 675, A3.	5.1	18
3557	A Constraint on Primordial B-modes from the First Flight of the Spider Balloon-borne Telescope. Astrophysical Journal, 2022, 927, 174.	4. 5	24
3558	No Longer Ballistic, Not Yet Diffusiveâ€"the Formation of Cosmic-Ray Small-scale Anisotropies. Astrophysical Journal, 2022, 927, 110.	4.5	2
3559	A Systematic Study of the Escape of LyC and Lyα Photons from Star-forming, Magnetized Turbulent Clouds. Astrophysical Journal, Supplement Series, 2022, 259, 21.	7.7	13
3560	Minkowski Functionals of SDSS-III BOSS: Hints of Possible Anisotropy in the Density Field?. Astrophysical Journal, 2022, 928, 108.	4.5	12
3561	Galaxy Power Spectrum and Biasing Results from the LOFAR Two-meter Sky Survey (First Data Release). Astrophysical Journal, 2022, 928, 38.	4.5	6

#	Article	IF	Citations
3562	Cosmic Birefringence from the <i>Planck </i> Data Release 4. Physical Review Letters, 2022, 128, 091302.	7.8	54
3563	A Spatially Dependent Correction of Gaia EDR3 Parallax Zero-point Offset based on 0.3 million LAMOST DR8 Giant Stars. Astronomical Journal, 2022, 163, 149.	4.7	7
3564	A joint ranking statistic for multi-messenger astronomical searches with gravitational waves. Classical and Quantum Gravity, 2022, 39, 085010.	4.0	2
3565	BEYONDPLANCK. Astronomy and Astrophysics, 2023, 675, A14.	5.1	9
3566	Magrathea-Pathfinder: a 3D adaptive-mesh code for geodesic ray tracing in N-body simulations. Astronomy and Astrophysics, 2022, 662, A114.	5.1	5
3567	Full-sky, Arcminute-scale, 3D Models of Galactic Microwave Foreground Dust Emission Based on Filaments. Astrophysical Journal, 2022, 928, 65.	4.5	10
3568	A novel cosmic filament catalogue from SDSS data. Astronomy and Astrophysics, 2022, 659, A166.	5.1	9
3569	Determination of polarization angles in CMB experiments and application to CMB component separation analyses. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 032.	5.4	5
3570	Validation Solutions to the Full-sky Radio Interferometry Measurement Equation for Diffuse Emission. Astrophysical Journal, Supplement Series, 2022, 259, 22.	7.7	2
3571	3D template-based <i>Fermi</i> -LAT constraints on the diffuse supernova axion-like particle background. Physical Review D, 2022, 105, .	4.7	18
3572	Host Dark Matter Halos of SDSS Red and Blue Quasars: No Significant Difference in Large-scale Environment. Astrophysical Journal, 2022, 927, 16.	4.5	5
3573	Anomalies of cosmic anisotropy from holographic universality of great-circle variance. Classical and Quantum Gravity, 2022, 39, 075016.	4.0	1
3574	Detecting the power spectrum turnover with HÂ <scp>i</scp> intensity mapping. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2408-2425.	4.4	12
3575	Fast map-based simulations of systematics in CMB surveys including effects of the scanning strategy. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3610-3626.	4.4	1
3576	All-purpose, all-sky photometric redshifts for the Legacy Imaging Surveys Data Release 8. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3662-3683.	4.4	23
3577	Angular systematics-free cosmological analysis of galaxy clustering in configuration space. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1341-1356.	4.4	0
3578	A Simulation-based Method for Correcting Mode Coupling in CMB Angular Power Spectra. Astrophysical Journal, 2022, 928, 109.	4.5	2
3579	Neural simulation-based inference approach for characterizing the Galactic Center <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>γ</mml:mi></mml:math> -ray excess. Physical Review D, 2022, 105, .	4.7	13

#	Article	IF	CITATIONS
3580	Detectability of the Cross-Correlation between CMB Lensing and Stochastic GW Background from Compact Object Mergers. Universe, 2022, 8, 160.	2.5	3
3581	Molecular gas properties of ⟨i⟩Planck⟨ i⟩-selected protocluster candidates at ⟨i⟩z⟨ i⟩ ≠f 1.3–3. Astronomy and Astrophysics, 2022, 662, A85.	5.1	6
3582	Quasar UV Luminosity Function at 3.5 < z < 5.0 from SDSS Deep Imaging Data. Astrophysical Journal, 2022, 928, 172.	4.5	4
3583	Evidence for a high- <i>z</i> ISW signal from supervoids in the distribution of eBOSS quasars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 15-26.	4.4	13
3584	Redshift space distortions: Unmixing radial scales in projection. Physical Review D, 2022, 105, .	4.7	2
3585	BEYONDPLANCK. Astronomy and Astrophysics, 2023, 675, A15.	5.1	3
3586	Characterization of the polarized synchrotron emission from Planck and WMAP data. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 003.	5.4	12
3587	Escaping the maze: a statistical subgrid model for cloud-scale density structures in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1414-1428.	4.4	2
3588	The Impact of Observing Strategy on Cosmological Constraints with LSST. Astrophysical Journal, Supplement Series, 2022, 259, 58.	7.7	13
3590	The RTApipe framework for the gamma-ray real-time analysis software development. Astronomy and Computing, 2022, 39, 100570.	1.7	2
3591	BeyondPlanck VIII. Efficient sidelobe convolution and corrections through spin harmonics. Astronomy and Astrophysics, 0, , .	5.1	8
3592	Stochastic gravitational-wave background searches and constraints on neutron-star ellipticity. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1105-1114.	4.4	11
3593	CryoDRGN2: Ab initio neural reconstruction of 3D protein structures from real cryo-EM images. , 2021, , .		21
3594	SurfGen: Adversarial 3D Shape Synthesis with Explicit Surface Discriminators. , 2021, , .		10
3595	Completeness of the <i>Gaia</i> verse – V. Astrometry and radial velocity sample selection functions in <i>Gaia</i> EDR3. Monthly Notices of the Royal Astronomical Society, 2021, 509, 6205-6224.	4.4	15
3596	The XFaster Power Spectrum and Likelihood Estimator for the Analysis of Cosmic Microwave Background Maps. Astrophysical Journal, 2021, 922, 132.	4.5	2
3597	Measurements of the diffuse Galactic synchrotron spectral index and curvature from MeerKLASS pilot data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4923-4939.	4.4	12
3598	Upper limits on persistent gravitational waves using folded data and the full covariance matrix from Advanced LIGO's first two observing runs. Physical Review D, 2021, 104, .	4.7	8

#	ARTICLE	IF	Citations
3599	Imaging sensitivity of a linear interferometer array on lunar orbit. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3046-3062.	4.4	5
3600	A classifier for spurious astrometric solutions in <i>Gaia</i> eDR3. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2597-2616.	4.4	62
3601	Rapid identification of strongly lensed gravitational-wave events with machine learning. Physical Review D, 2021, 104, .	4.7	10
3602	Scaling pair count to next galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3085-3097.	4.4	0
3603	The optical system of the Tenerife Microwave Spectrometer: a window for observing the 10–20 GHz sky spectra. Journal of Instrumentation, 2021, 16, P12037.	1.2	0
3604	Cross-Correlating Astrophysical and Cosmological Gravitational Wave Backgrounds with the Cosmic Microwave Background. Physical Review Letters, 2021, 127, 271301.	7.8	27
3605	H.E.S.S. Follow-up Observations of Binary Black Hole Coalescence Events during the Second and Third Gravitational-wave Observing Runs of Advanced LIGO and Advanced Virgo. Astrophysical Journal, 2021, 923, 109.	4.5	6
3606	The Atacama Cosmology Telescope: A Search for Planet 9. Astrophysical Journal, 2021, 923, 224.	4.5	10
3607	The Clustering of Orbital Poles Induced by the LMC: Hints for the Origin of Planes of Satellites. Astrophysical Journal, 2021, 923, 140.	4.5	17
3608	Looking for a twist: probing the cosmological gravitomagnetic effect via weak lensing-kSZ cross-correlations. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3589-3604.	4.4	7
3609	Application of genetic algorithm to estimate the large angular scale features of cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2173-2185.	4.4	1
3610	Lost Horizon: Quantifying the Effect of Local Topography on Global 21 cm Cosmology Data Analysis. Astrophysical Journal, 2021, 923, 33.	4.5	8
3611	The DES view of the Eridanus supervoid and the CMB cold spot. Monthly Notices of the Royal Astronomical Society, 2021, 510, 216-229.	4.4	14
3612	Identifying RR Lyrae in the ZTF DR3 data set. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3575-3588.	4.4	2
3613	Geometrical meaning of statistical isotropy of smooth random fields in two dimensions. Physical Review D, 2021, 104, .	4.7	4
3614	Lensing without borders – I. A blind comparison of the amplitude of galaxy–galaxy lensing between independent imaging surveys. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6150-6189.	4.4	12
3615	A Novel Deep Learning Approach Using Contextual Embeddings for Toponym Resolution. ISPRS International Journal of Geo-Information, 2022, 11, 28.	2.9	6
3616	Detection of pairwise kSZ effect with DESI galaxy clusters and Planck. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5916-5928.	4.4	12

#	Article	IF	Citations
3617	Cosmological parameter estimation and inference using deep summaries. Physical Review D, 2021, 104, .	4.7	5
3618	DELVE-ing into the Jet: A Thin Stellar Stream on a Retrograde Orbit at 30 kpc. Astronomical Journal, 2022, 163, 18.	4.7	7
3619	Detection of a Cross-correlation between Cosmic Microwave Background Lensing and Low-density Points. Astrophysical Journal, 2021, 923, 153.	4.5	7
3620	Kinematic Properties of the GAIA EDR3 Catalogue. Astronomy Letters, 2021, 47, 863-871.	1.0	1
3621	IBEX Ribbon Separation Using Spherical Harmonic Decomposition of the Globally Distributed Flux. Astrophysical Journal, Supplement Series, 2022, 258, 6.	7.7	11
3622	Deep Learning for Toponym Resolution: Geocoding Based on Pairs of Toponyms. ISPRS International Journal of Geo-Information, 2021, 10, 818.	2.9	5
3623	SPHARM-Net: Spherical Harmonics-Based Convolution for Cortical Parcellation. IEEE Transactions on Medical Imaging, 2022, 41, 2739-2751.	8.9	4
3625	Primordial non-Gaussianity from the completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey II: measurements in Fourier space with optimal weights. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3396-3409.	4.4	15
3626	Convolutional neural network-reconstructed velocity for kinetic SZ detection. Astronomy and Astrophysics, 2022, 662, A48.	5.1	7
3627	The Integrated Sachs Wolfe effect: unWISE and Planck constraints on dynamical dark energy. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 033.	5.4	10
3628	Polycyclic Aromatic Hydrocarbons, Anomalous Microwave Emission, and their Connection to the Cold Neutral Medium. Astrophysical Journal, 2022, 929, 23.	4.5	15
3629	Directional variations of cosmological parameters from the <i>Planck</i> CMB data. Physical Review D, 2022, 105, .	4.7	22
3630	MAPPRAISER: A massively parallel map-making framework for multi-kilo pixel CMB experiments. Astronomy and Computing, 2022, 39, 100576.	1.7	0
3631	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. Astronomical Journal, 2022, 163, 209.	4.7	2
3632	Full <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>w</mml:mi><mml:mi>CDM</mml:mi></mml:mrow></mml:math> analysis of KiDS-1000 weak lensing maps using deep learning. Physical Review D, 2022, 105, .	4.7	16
3633	Lunar Orbit Measurement of the Cosmic Dawn's 21 cm Global Spectrum. Astrophysical Journal, 2022, 929, 32.	4.5	7
3634	Effects of boosting on extragalactic components: Methods and statistical studies. Monthly Notices of the Royal Astronomical Society, 0 , , .	4.4	1
3635	QUBIC II: Spectral polarimetry with bolometric interferometry. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 035.	5.4	9

#	Article	IF	CITATIONS
3638	System design and calibration of SITARA—a global 21 cm short spacing interferometer prototype. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	5
3639	The importance of the way in which supernova energy is distributed around young stellar populations in simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 249-264.	4.4	12
3640	Imaging the southern sky at 159 MHz using spherical harmonics with the engineering development array 2. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	8
3641	GORDA: Graph-Based Orientation Distribution Analysis of SLI Scatterometry Patterns of Nerve Fibres. , 2022, , .		2
3642	The eROSITA Final Equatorial Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A1.	5.1	144
3643	Visibility Study in a Chief-Deputy Formation for CMB Polarization Missions. Journal of the Astronautical Sciences, 0, , .	1.5	1
3644	Long-term Spectra of the Blazars Mrk 421 and Mrk 501 at TeV Energies Seen by HAWC. Astrophysical Journal, 2022, 929, 125.	4.5	8
3645	A measurement of the scale of homogeneity in the early Universe. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 044.	5.4	2
3646	<i>Euclid</i> : Covariance of weak lensing pseudo- <i>C</i> _{<i>â,,"</i>} estimates. Astronomy and Astrophysics, 2022, 660, A114.	5.1	2
3647	The Simons Observatory: Galactic Science Goals and Forecasts. Astrophysical Journal, 2022, 929, 166.	4.5	10
3648	Frequency-dependent constraints on cosmic birefringence from the LFI and HFI <i>Planck</i> Data Release 4. Astronomy and Astrophysics, 2022, 662, A10.	5.1	30
3649	The optical depth of foregrounds for the highest redshift 21Âcm signals. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
3650	Spinning nano-carbon grains: Viable origin for anomalous microwave emission. Astronomy and Astrophysics, 2022, 663, A65.	5.1	3
3651	Improved Gibbs samplers for cosmic microwave background power spectrum estimation. Physical Review D, 2022, 105, .	4.7	0
3652	Spherical Convolutional Recurrent Neural Network for Real-Time Sound Source Tracking., 2022, , .		2
3653	CoLoRe: fast cosmological realisations over large volumes with multiple tracers. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 002.	5.4	9
3654	The C-Band All-Sky Survey (C-BASS): template fitting of diffuse galactic microwave emission in the northern sky. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5900-5919.	4.4	10
3655	The Double Detonation of a Double-degenerate System, from Type Ia Supernova Explosion to its Supernova Remnant. Astrophysical Journal, 2022, 930, 92.	4.5	8

#	Article	IF	CITATIONS
3656	Recovering the CMB Signal with Machine Learning. Astrophysical Journal, Supplement Series, 2022, 260, 13.	7.7	10
3657	What can be learnt from UHECR anisotropies observations. Astronomy and Astrophysics, 2022, 664, A120.	5.1	7
3658	Exoplanet cartography using convolutional neural networks. Astronomy and Astrophysics, 0, , .	5.1	1
3659	Constraining low redshift [C <scp> ll</scp>] emission by cross-correlating FIRAS and BOSS data. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1169-1187.	4.4	6
3660	The Galactic dynamics revealed by the filamentary structure in atomic hydrogen emission. Astronomy and Astrophysics, 2022, 662, A96.	5.1	15
3661	A new estimator for phase statistics. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 006.	5.4	1
3662	Multiresolution HEALPix Maps for Multiwavelength and Multimessenger Astronomy. Astronomical Journal, 2022, 163, 259.	4.7	1
3663	Validations and Corrections of the SFD and Planck Reddening Maps Based on LAMOST and Gaia Data. Astrophysical Journal, Supplement Series, 2022, 260, 17.	7.7	14
3664	Galaxy blending effects in deep imaging cosmic shear probes of cosmology. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5905-5926.	4.4	2
3665	Global Mapping of Surface Composition on an Exo-Earth Using Sparse Modeling. Astrophysical Journal, 2022, 930, 162.	4.5	3
3666	BeyondPlanck. II. CMB map-making through Gibbs sampling. Astronomy and Astrophysics, 0, , .	5.1	3
3667	The Universe is Brighter in the Direction of Our Motion: Galaxy Counts and Fluxes are Consistent with the CMB Dipole. Astrophysical Journal Letters, 2022, 931, L14.	8.3	18
3668	Impact of thermal Sunyaev–Zeldovich effect on cross-correlations between <i>Planck</i> cosmic microwave background lensing and SDSS galaxy density fields. Monthly Notices of the Royal Astronomical Society, 2022, 514, 596-606.	4.4	3
3669	The Atacama Cosmology Telescope: measurement and analysis of 1D beams for DR4. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 044.	5.4	4
3670	Uniform modelling of the stellar density of thirteen tidal streams within the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1757-1781.	4.4	1
3671	Antarctic Survey Telescope 3-3: Overview, System Performance and Preliminary Observations at Yaoan, Yunnan. Universe, 2022, 8, 303.	2.5	1
3672	Polarization and variability of compact sources measured in <i>Planck</i> time-ordered data. Astronomy and Astrophysics, 2023, 669, A92.	5.1	1
3673	Globally Optimal and Scalable N-way Matching of Astronomy Catalogs. Astronomical Journal, 2022, 163, 296.	4.7	1

#	Article	IF	Citations
3674	Dark Energy Survey Year 3 Results: Three-point shear correlations and mass aperture moments. Physical Review D, 2022, 105, .	4.7	12
3675	Systematic Investigation of Dust and Gaseous CO in 12 Nearby Molecular Clouds. Astrophysical Journal, 2022, 931, 9.	4.5	5
3676	Boltzmann-Poisson-like approach to simulating the galactic halo response to satellite accretion. Dependence on the halo density profile. Astronomy and Astrophysics, 0, , .	5.1	1
3677	The stellar content of the ROSAT all-sky survey. Astronomy and Astrophysics, 2022, 664, A105.	5.1	10
3678	All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs. Physical Review D, 2022, 105, .	4.7	18
3679	Simulation andÂVisualization ofÂ3D-Spherical Distributions. Forum for Interdisciplinary Mathematics, 2022, , 119-145.	1.6	1
3680	Fast Bayesian analysis of individual binaries in pulsar timing array data. Physical Review D, 2022, 105, .	4.7	9
3681	Analytic Light Curves in Reflected Light: Phase Curves, Occultations, and Non-Lambertian Scattering for Spherical Planets and Moons. Astronomical Journal, 2022, 164, 4.	4.7	5
3682	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A31.	5.1	28
3683	Estimating accurate reddening values of LAMOST M dwarfs. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4398-4405.	4.4	1
3684	A Compound Poisson Generator Approach to Point-source Inference in Astrophysics. Astrophysical Journal, Supplement Series, 2022, 260, 29.	7.7	4
3685	Performance Evaluation on GPU-FPGA Accelerated Computing Considering Interconnections between Accelerators., 2022,,.		4
3686	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A29.	5.1	71
3687	Isotropy statistics of CMB hot and cold spots. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 006.	5.4	6
3688	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A12.	5.1	21
3689	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A41.	5.1	29
3690	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A38.	5.1	28
3691	Delensing the CMB with the cosmic infrared background: the impact of foregrounds. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5786-5812.	4.4	5

#	Article	IF	CITATIONS
3692	Non-Gaussian likelihood of weak lensing power spectra. Physical Review D, 2022, 105, .	4.7	2
3693	Scalar Quadratic Maximum-likelihood Estimators for the CMB Cross-power Spectrum. Astrophysical Journal, Supplement Series, 2022, 260, 44.	7.7	5
3694	A Machine Learning Approach to a Multidetector Array Response Function for Nuclear Search. IEEE Transactions on Nuclear Science, 2022, 69, 1939-1944.	2.0	2
3695	Time-Domain Science Pipelines for the OVRO-LWA. , 2022, , .		0
3696	Multi-system All-sky Spherical Harmonic Transit Interferometry. , 2022, , .		0
3697	Cosmic star formation history with tomographic cosmic infrared background-galaxy cross-correlation. Astronomy and Astrophysics, 2022, 665, A52.	5.1	3
3698	Bias on tensor-to-scalar ratio inference with estimated covariance matrices. Monthly Notices of the Royal Astronomical Society, 2022, 515, 229-236.	4.4	3
3699	Incremental Fermi Large Area Telescope Fourth Source Catalog. Astrophysical Journal, Supplement Series, 2022, 260, 53.	7.7	186
3700	Complex Network view to Solar Flare Asymmetric Activity. Advances in Space Research, 2022, , .	2.6	0
3701	Explaining the UHECR spectrum, composition and large-scale anisotropies with radio galaxies. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 006.	5.4	7
3702	Angular resolution of the search for anisotropic stochastic gravitational-wave background with terrestrial gravitational-wave detectors. Physical Review D, 2022, 106 , .	4.7	7
3703	A Bayesian approach to high fidelity interferometric calibration â^ II: demonstration with simulated data. Monthly Notices of the Royal Astronomical Society, 2022, 517, 935-961.	4.4	5
3704	Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking. Astrophysical Journal, 2022, 933, 134.	4.5	6
3705	COMAP Early Science. VI. A First Look at the COMAP Galactic Plane Survey. Astrophysical Journal, 2022, 933, 187.	4.5	12
3706	Extragalactic Magnetic Fields and the Arrival Direction of Ultra-high-energy Cosmic Rays. Astrophysical Journal, 2022, 933, 146.	4.5	0
3707	KiDS and <i>Euclid</i> : Cosmological implications of a pseudo angular power spectrum analysis of KiDS-1000 cosmic shear tomography. Astronomy and Astrophysics, 2022, 665, A56.	5.1	11
3708	A Bayesian approach to high-fidelity interferometric calibration – I. Mathematical formalism. Monthly Notices of the Royal Astronomical Society, 2022, 517, 910-934.	4.4	3
3709	Antenna beam characterization for the global 21-cm experiment LEDA and its impact on signal model parameter reconstruction. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1580-1597.	4.4	8

#	Article	IF	Citations
3710	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1942-1972.	4.4	27
3711	Dark Energy Survey Year 3 results: Imprints of cosmic voids and superclusters in the <i>Planck</i> CMB lensing map. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4417-4429.	4.4	9
3712	Response approach to the integrated shear 3-point correlation function: the impact of baryonic effects on small scales. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4639-4654.	4.4	7
3713	Milky Way-like galaxies: stellar population properties of dynamically defined discs, bulges and stellar haloes. Monthly Notices of the Royal Astronomical Society, 2022, 516, 197-215.	4.4	3
3714	Exploring the MeV sky with a combined coded mask and Compton telescope: the Galactic Explorer with a Coded aperture mask Compton telescope (GECCO). Journal of Cosmology and Astroparticle Physics, 2022, 2022, 036.	5.4	19
3715	COSMOGLOBE: Simulating zodiacal emission with ZodiPy. Astronomy and Astrophysics, 2022, 666, A107.	5.1	3
3716	Efficient ILC analysis on polarization maps after EB leakage correction. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 044.	5.4	3
3717	ON MULTIFRACTIONALITY OF SPHERICAL RANDOM FIELDS WITH COSMOLOGICAL APPLICATIONS. ANZIAM Journal, 2022, 64, 90-118.	0.2	1
3718	A foreground model independent estimation of joint posterior of CMB E-mode polarization over large angular scales. Modern Physics Letters A, 2022, 37, .	1,2	2
3719	A measurement of the integrated Sachs–Wolfe effect with the Rapid ASKAP Continuum Survey. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3785-3803.	4.4	4
3720	Cross-correlation between <i>Planck</i> CMB lensing potential and galaxy catalogues from HELP. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1993-2007.	4.4	1
3721	Cosmological analysis of three-dimensional BOSS galaxy clustering and Planck CMB lensing cross correlations via Lagrangian perturbation theory. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 041.	5.4	29
3722	Eliminating Primary Beam Effect in Foreground Subtraction of Neutral Hydrogen Intensity Mapping Survey with Deep Learning. Astrophysical Journal, 2022, 934, 83.	4.5	9
3723	Improving the Low-energy Transient Sensitivity of AMEGO-X using Single-site Events. Astrophysical Journal, 2022, 934, 92.	4.5	1
3724	Validating the improved angular resolution of the GRAPES-3 air shower array by observing the Moon shadow in cosmic rays. Physical Review D, 2022, 106, .	4.7	5
3725	Finding Quasars behind the Galactic Plane. II. Spectroscopic Identifications of 204 Quasars at â^£bâ^£ < 20°. Astrophysical Journal, Supplement Series, 2022, 261, 32.	7.7	5
3726	Constraints on Ï, _{NL} from Planck temperature and polarization. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 015.	5 . 4	3
3727	J-PLUS: Discovery and characterisation of ultracool dwarfs using Virtual Observatory tools. II. Second data release and machine learning methodology. Astronomy and Astrophysics, 0, , .	5.1	0

#	Article	IF	CITATIONS
3728	The BINGO project. Astronomy and Astrophysics, 2022, 666, A83.	5.1	2
3729	Targeted search for the stochastic gravitational-wave background from the galactic millisecond pulsar population. Physical Review D, 2022, 106, .	4.7	8
3730	Polarized Synchrotron Foreground Assessment for CMB Experiments. Astrophysical Journal, 2022, 936, 24.	4.5	5
3731	Cross Correlation between the Thermal Sunyaev–Zel'dovich Effect and Projected Galaxy Density Field. Astrophysical Journal, 2022, 935, 18.	4.5	7
3732	The Galactic Interstellar Medium Has a Preferred Handedness of Magnetic Misalignment. Universe, 2022, 8, 423.	2.5	2
3733	Simulating the Legacy Survey of Space and Time Stellar Content with TRILEGAL. Astrophysical Journal, Supplement Series, 2022, 262, 22.	7.7	5
3734	Well-posed UV completion for simulating scalar Galileons. Physical Review D, 2022, 106, .	4.7	6
3735	Cosmic-ray-induced H ₂ line emission. Astronomy and Astrophysics, 2022, 664, A150.	5.1	4
3736	Removing systematics-induced 21-cm foreground residuals by cross-correlating filtered data. Physical Review D, 2022, 106, .	4.7	0
3737	Sensitivity of future gamma-ray telescopes to primordial black holes. Physical Review D, 2022, 106, .	4.7	4
3738	Search for Spatial Correlations of Neutrinos with Ultra-high-energy Cosmic Rays. Astrophysical Journal, 2022, 934, 164.	4.5	5
3739	Validation of standardized data formats and tools for ground-level particle-based gamma-ray observatories. Astronomy and Astrophysics, 2022, 667, A36.	5.1	4
3740	Simulated catalogs and maps of radio galaxies at millimeter wavelengths in Websky. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	5.4	5
3741	How galaxies populate halos in extreme density environments: An analysis of the halo occupation distribution in SDSS. Astronomy and Astrophysics, 2022, 665, A44.	5.1	5
3742	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A34.	5.1	74
3743	Gas and Cosmic-Ray Properties in the MBM 53, 54, and 55 Molecular Clouds and the Pegasus Loops Revealed by H i Line Profiles, Dust, and Gamma-Ray Data. Astrophysical Journal, 2022, 935, 97.	4.5	1
3744	A method for reconstructing the Galactic magnetic field using dispersion of fast radio bursts and Faraday rotation of radio galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4739-4759.	4.4	2
3745	CENN: A fully convolutional neural network for CMB recovery in realistic microwave sky simulations. Astronomy and Astrophysics, 2022, 666, A89.	5.1	5

#	Article	IF	CITATIONS
3746	The DECam Local Volume Exploration Survey Data Release 2. Astrophysical Journal, Supplement Series, 2022, 261, 38.	7.7	20
3747	Metal Lines Associated with the Lyl± Forest from eBOSS Data. Astrophysical Journal, 2022, 935, 121.	4.5	4
3748	Forecasts on CMB lensing observations with AliCPT-1. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	5.1	8
3749	A method for efficient radio astronomical data gridding on multi-core vector processor. Parallel Computing, 2022, 113, 102972.	2.1	0
3750	HEGrid: A high efficient multi-channel radio astronomical data gridding framework in heterogeneous computing environments. Future Generation Computer Systems, 2023, 138, 243-253.	7.5	2
3751	PDO-eS2CNNs: Partial Differential Operator Based Equivariant Spherical CNNs. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 9585-9593.	4.9	5
3752	Pipeline forÂDetection ofÂTransient Objects inÂOptical Surveys. Communications in Computer and Information Science, 2022, , 104-134.	0.5	2
3753	VDL-Surrogate: A View-Dependent Latent-based Model for Parameter Space Exploration of Ensemble Simulations. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-11.	4.4	0
3754	An Estimation ofÂJoint Posterior ofÂCMB OverÂLarge Angular Scales Using Gibbs ILC Method. Springer Proceedings in Physics, 2022, , 749-753.	0.2	0
3755	Functional estimation of anisotropic covariance and autocovariance operators on the sphere. Electronic Journal of Statistics, 2022, 16, .	0.7	2
3756	OSLO: On-the-Sphere Learning for Omnidirectional Images and Its Application to 360-Degree Image Compression. IEEE Transactions on Image Processing, 2022, 31, 5813-5827.	9.8	4
3757	CosmoScout VR: A Modular 3D Solar System Based on SPICE. , 2022, , .		4
3758	AGN-driven outflows and the formation of Lyl^\pm nebulae around high-z quasars. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1767-1790.	4.4	19
3759	Arrival Directions of Cosmic Rays above 32 EeV from Phase One of the Pierre Auger Observatory. Astrophysical Journal, 2022, 935, 170.	4.5	23
3760	X-ray morphology of cluster-mass haloes in self-interacting dark matter. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1302-1319.	4.4	4
3761	Mitigating Bias in CMB B-modes from Foreground Cleaning Using a Moment Expansion. Astrophysical Journal, 2022, 936, 8.	4.5	3
3762	Rapid localization of gravitational wave hosts with FIGARO. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 517, L5-L10.	3.3	4
3763	The Locus Algorithm: The design, implementation and performance characterisation of a software and grid computing system to optimise the quality of fields of view for differential photometry. Astronomy and Computing, 2022, 41, 100656.	1.7	2

#	Article	IF	CITATIONS
3764	Cosmic shear in harmonic space from the Dark Energy Survey Year 1 Data: compatibility with configuration space results. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5799-5815.	4.4	4
3765	Probing the Diffuse Lyl± Emission on Cosmological Scales: Lyl± Emission Intensity Mapping Using the Complete SDSS-IV eBOSS. Astrophysical Journal, Supplement Series, 2022, 262, 38.	7.7	4
3766	CMB spectral distortions revisited: A new take on <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>\hat{l}_4</mml:mi></mml:math> distortions and primordial non-Gaussianities from FIRAS data. Physical Review D, 2022, 106, .	4.7	20
3767	Impact of extragalactic foregrounds on internal delensing of the CMB <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -mode polarization. Physical Review D, 2022, 106, .	4.7	4
3768	Planck constraints on cross-correlations between anisotropic cosmic birefringence and CMB polarization. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 075.	5.4	10
3769	BEYONDPLANCK. Astronomy and Astrophysics, 2023, 675, A13.	5.1	18
3770	Dark Matter Constraints from Planck Observations of the Galactic Polarized Synchrotron Emission. Physical Review Letters, 2022, 129, .	7.8	1
3771	The GALPROP Cosmic-ray Propagation and Nonthermal Emissions Framework: Release v57. Astrophysical Journal, Supplement Series, 2022, 262, 30.	7.7	22
3772	A Challenge to the Standard Cosmological Model. Astrophysical Journal Letters, 2022, 937, L31.	8.3	40
3773	Baryon acoustic oscillations from H <scp>i</scp> intensity mapping: The importance of cross-correlations in the monopole and quadrupole. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5454-5470.	4.4	3
3774	CMB power spectra and cosmological parameters from <i>Planck</i> PR4 with CamSpec. Monthly Notices of the Royal Astronomical Society, 2022, 517, 4620-4636.	4.4	18
3775	Weak gravitational lensing shear estimation with <scp>metacalibration</scp> for the <i>Roman</i> High-Latitude Imaging Survey. Monthly Notices of the Royal Astronomical Society, 2023, 519, 4241-4252.	4.4	8
3776	Galactic halo bubble magnetic fields and UHECR deflections. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2534-2545.	4.4	2
3777	Improved constraints on cosmic birefringence from the WMAP and <i>Planck</i> cosmic microwave background polarization data. Physical Review D, 2022, 106, .	4.7	38
3778	CMB lensing from Planck PR4Âmaps. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 039.	5.4	28
3779	Test of the statistical isotropy of the universe using gravitational waves. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 046.	5.4	8
3780	A Partial-sky Gibbs ILC Approach for the Estimation of CMB Posterior over Large Angular Scales of the Sky. Astrophysical Journal, 2022, 936, 106.	4.5	1
3781	Testing for spectral index variations in polarized CMB foregrounds. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2855-2866.	4.4	3

#	Article	IF	Citations
3782	Spherical Transformer: Adapting Spherical Signal toÂConvolutional Networks. Lecture Notes in Computer Science, 2022, , 15-27.	1.3	0
3783	The First Direct Measurement of Gravitational Potential Decay Rate at Cosmological Scales and Improved Dark Energy Constraint. Astrophysical Journal, 2022, 938, 72.	4.5	1
3784	Stochastic gravitational wave background: Methods and implications. Progress in Particle and Nuclear Physics, 2023, 128, 104003.	14.4	11
3785	Dark Energy Survey Year 3 results: Cosmology with moments of weak lensing mass maps. Physical Review D, 2022, 106, .	4.7	18
3786	Accurate cosmic microwave background covariance matrices: Exact calculation and approximations. Astronomy and Astrophysics, 2022, 668, A62.	5.1	1
3787	Magnetic field evolution in cosmic filaments with LOFAR data. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2273-2286.	4.4	10
3788	The external photoevaporation of planet-forming discs. European Physical Journal Plus, 2022, 137, .	2.6	28
3789	Non-Gaussian modelling and statistical denoising of Planck dust polarisation full-sky maps using scattering transforms. Astronomy and Astrophysics, 2022, 668, A122.	5.1	6
3790	Direct Optimal Mapping for 21 cm Cosmology: A Demonstration with the Hydrogen Epoch of Reionization Array. Astrophysical Journal, 2022, 938, 128.	4.5	1
3791	Cosmological inference from an emulator based halo model. I. Validation tests with HSC and SDSS mock catalogs. Physical Review D, 2022, 106, .	4.7	13
3792	An empirical model of the <i>Gaia</i> DR3 selection function. Astronomy and Astrophysics, 2023, 669, A55.	5.1	27
3793	Performance forecasts for the primordial gravitational wave detection pipelines for AliCPT-1. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 063.	5.4	9
3794	Core orientations and magnetic fields in isolated molecular clouds. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1138-1155.	4.4	2
3795	<scp>sconce</scp> : a cosmic web finder for spherical and conic geometries. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1197-1217.	4.4	1
3796	Orbital parallax of binary systems compared to Gaia DR3 and the parallax zero-point offset at bright magnitudes. Astronomy and Astrophysics, 0, , .	5.1	0
3797	Searching for axion-like particles through CMB birefringence from string-wall networks. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 090.	5.4	12
3798	Solid confirmation of the broad DIB around 864.8 nm using stacked ⟨i⟩Gaia⟨/i⟩–RVS spectra. Astronomy and Astrophysics, 2022, 666, L12.	5.1	3
3799	Evidence for neutrino emission from the nearby active galaxy NGC 1068. Science, 2022, 378, 538-543.	12.6	86

#	ARTICLE	IF	CITATIONS
3800	Mapping Milky Way disk perturbations in stellar number density and vertical velocity using <i>Gaia</i> DR3. Astronomy and Astrophysics, 2022, 668, A95.	5.1	10
3801	Beamforming approaches towards detecting the 21-cm global signal from Cosmic Dawn with radio array telescopes. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	O
3802	The X-ray angular power spectrum of extended sources in the eROSITA final equatorial depth survey. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
3803	Towards optimal foreground mitigation strategies for interferometric H <scp>i</scp> intensity mapping in the low-redshift Universe. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2971-2990.	4.4	2
3804	Weak lensing trispectrum and Kurt-spectra. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 020.	5 . 4	2
3805	Searches for Neutrinos from Gamma-Ray Bursts Using the IceCube Neutrino Observatory. Astrophysical Journal, 2022, 939, 116.	4.5	18
3806	Classification of Protein-Binding Sites Using a Spherical Convolutional Neural Network. Journal of Chemical Information and Modeling, 2022, 62, 5383-5396.	5.4	5
3807	Planck integrated Sachs-Wolfe-lensing likelihood and the CMB temperature. Physical Review D, 2022, 106, .	4.7	3
3808	An empirical method for mitigating an excess up-scattering mass bias on the weak lensing mass estimates for shear-selected cluster samples. Publication of the Astronomical Society of Japan, 0, , .	2.5	0
3809	Sensitivity estimation for dark matter subhalos in synthetic Gaia DR2 using deep learning. Astronomy and Computing, 2022, 41, 100667.	1.7	2
3810	The steady-state multi-TeV diffuse \hat{I}^3 -ray emission predicted with $<$ scp $>$ galprop $<$ /scp $>$ and prospects for the Cherenkov Telescope Array. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5036-5048.	4.4	5
3811	The demographics of obscured AGN from X-ray spectroscopy guided by multiwavelength information. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2546-2566.	4.4	6
3812	KiDS-1000 cosmology: Constraints from density split statistics. Astronomy and Astrophysics, 2023, 669, A69.	5.1	7
3813	<i>B</i> -mode constraints from <i>Planck</i> low-multipole polarization data. Monthly Notices of the Royal Astronomical Society, 2022, 518, 3675-3684.	4.4	2
3814	Modeling Redshift-space Clustering with Abundance Matching. Astrophysical Journal, 2022, 940, 13.	4.5	2
3815	Accelerating Spherical Harmonic Transforms for a Large Number of Sky Maps. Astrophysical Journal, Supplement Series, 2022, 263, 21.	7.7	O
3816	How do the dynamics of the Milky Way–Large Magellanic Cloud system affect gamma-ray constraints on particle dark matter?. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4138-4158.	4.4	1
3817	Primordial non-gaussianities of inflationary step-like models. Journal of Physics: Conference Series, 2022, 2372, 012002.	0.4	O

#	Article	IF	CITATIONS
3818	DEMNUni: comparing nonlinear power spectra prescriptions in the presence of massive neutrinos and dynamical dark energy. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 041.	5.4	7
3819	MAXI: Monitor of All-Sky X-Ray Image. , 2022, , 1-25.		1
3820	Examining statistical isotropy of CMB low multipoles from Planck PR4 data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 836, 137593.	4.1	0
3821	On Densification of the ICRF Catalog and the Reliability of Its Link to the Gaia Catalog. Astronomy Reports, 2022, 66, 778-785.	0.9	1
3822	An update on Fermi-LAT transients in the Galactic plane, including strong activity of Cygnus X-3 in mid-2020. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2680-2689.	4.4	6
3823	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and galaxy-galaxy lensing using the MagLim lens sample. Physical Review D, 2022, 106, .	4.7	24
3824	Evidence for Large-scale Excesses Associated with Low H i Column Densities in the Sky. I. Dust Excess. Astrophysical Journal, 2022, 940, 116.	4.5	4
3825	Forecasts for cosmological measurements based on the angular power spectra of AGN and clusters of galaxies in the SRG/eROSITA all-sky survey. Astronomy and Astrophysics, 2023, 669, A61.	5.1	1
3826	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A5.	5.1	76
3828	Structure in the Magnetic Field of the Milky Way Disk and Halo Traced by Faraday Rotation. Astrophysical Journal, 2022, 940, 75.	4.5	7
3829	Tracing PAH Emission in λ-Orionis Using COBE/DIRBE Data. Astrophysical Journal, 2022, 940, 59.	4.5	0
3830	Sample variance for supernovae distance measurements and the Hubble tension. Physical Review D, 2022, 106, .	4.7	11
3831	Probing cosmic-ray anisotropy at ultra-high energy. Journal of Astrophysics and Astronomy, 2022, 43, .	1.0	0
3832	Constraints on dark matter annihilation and decay from the large-scale structure of the nearby Universe. Physical Review D, 2022, 106, .	4.7	5
3833	Searching for ring-like structures in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2022, 519, 922-930.	4.4	1
3834	A GtoG Direct Coding Mapping Method for Multi-Type Global Discrete Grids Based on Space Filling Curves. ISPRS International Journal of Geo-Information, 2022, 11, 595.	2.9	1
3835	Impact of point spread function higher moments error on weak gravitational lensing – II. A comprehensive study. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2328-2350.	4.4	4
3836	<scp>PDFchem</scp> : A new fast method to determine ISM properties and infer environmental parameters using probability distributions. Monthly Notices of the Royal Astronomical Society, 2022, 519, 729-753.	4.4	9

#	Article	IF	CITATIONS
3837	Probing cosmic inflation with the <i>LiteBIRD </i> Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	63
3838	A cross-correlation analysis of CMB lensing and radio galaxy maps. Astronomy and Astrophysics, 2023, 671, A42.	5.1	4
3839	Constraining the galaxy-halo connection of infrared-selected <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>u</mml:mi><mml:mi></mml:mi><mml:ri>galaxies with galaxy clustering and galaxy-CMB lensing power spectra. Physical Review D, 2022, 106, .</mml:ri></mml:math>	ni>\$ <td>l:mai><mml:n< td=""></mml:n<></td>	l:mai> <mml:n< td=""></mml:n<>
3840	Dust polarization spectral dependence from <i>Planck</i> HFI data. Astronomy and Astrophysics, 2023, 670, A163.	5.1	5
3841	BeyondPlanck. X. Planck Low Frequency Instrument frequency maps with sample-based error propagation. Astronomy and Astrophysics, 0, , .	5.1	8
3842	Level correlations of CMB temperature angular power spectrum. Journal of Astrophysics and Astronomy, 2022, 43, .	1.0	3
3843	Photochemistry and Heating/Cooling of the Multiphase Interstellar Medium with UV Radiative Transfer for Magnetohydrodynamic Simulations. Astrophysical Journal, Supplement Series, 2023, 264, 10.	7.7	9
3844	Exploring Realistic Nanohertz Gravitational-wave Backgrounds. Astrophysical Journal, 2022, 941, 119.	4.5	17
3845	Studying the effect of remapping on the $21 \hat{a} \in \%$ cm map mocks. Astronomische Nachrichten, 0, , .	1.2	0
3846	The tracking tapered gridded estimator for the power spectrum from drift scan observations. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2410-2425.	4.4	1
3847	Tempestuous life beyond <i>R</i> ₅₀₀ : X-ray view on the Coma cluster with SRG/eROSITA. Astronomy and Astrophysics, 2023, 670, A156. Explaining the GeV Antiopology Process GeV Applyments	5.1	6
3848	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow><mml:mi>î³</mml:mi></mml:mrow> -Ray Excess, and <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>W</mml:mi></mml:math> -Boson Mass Anomaly in an Inert Two Higgs	7.8	18
3849	Doublet Model. Physical Review Letters, 2022, 129, . Structural insights into the mechanism of the sodium/iodide symporter. Nature, 2022, 612, 795-801.	27.8	15
3850	Bayesian inference of three-dimensional gas maps. Astronomy and Astrophysics, 2023, 671, A54.	5.1	4
3851	The cosmic shallows – I. Interaction of CMB photons in extended galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2022, 518, 5643-5652.	4.4	3
3852	Forecasting Pulsar Timing Array Sensitivity to Anisotropy in the Stochastic Gravitational Wave Background. Astrophysical Journal, 2022, 940, 173.	4.5	11
3853	A tomographic spherical mass map emulator of the KiDS-1000 survey using conditional generative adversarial networks. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 013.	5.4	1
3854	Baryon pasting algorithm: halo-based and particle-based pasting methods. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2069-2082.	4.4	5

#	Article	IF	CITATIONS
3855	Satellite Constellation Avoidance with the Rubin Observatory Legacy Survey of Space and Time. Astrophysical Journal Letters, 2022, 941, L15.	8.3	8
3856	<i>Gaia</i> Data Release 3. Astronomy and Astrophysics, 2023, 674, A21.	5.1	5
3857	HLC2: a highly efficient cross-matching framework for large astronomical catalogues on heterogeneous computing environments. Monthly Notices of the Royal Astronomical Society, 2023, 519, 6381-6391.	4.4	4
3858	Constraining the polarisation flux density and angle of point sources by training a convolutional neural network. Astronomy and Astrophysics, 0, , .	5.1	0
3859	Using angular two-point correlations to self-calibrate the photometric redshift distributions of DECaLS DR9. Monthly Notices of the Royal Astronomical Society, 2023, 520, 161-179.	4.4	5
3860	Designing an Optimal LSST Deep Drilling Program for Cosmology with Type Ia Supernovae. Astrophysical Journal, Supplement Series, 2023, 264, 22.	7.7	2
3861	DUSTIER (DUST in the Epoch of Reionization): dusty galaxies in cosmological radiation-hydrodynamical simulations of the Epoch of Reionization with RAMSES-CUDATON. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5987-6007.	4.4	3
3862	On the Galactic Halos Rotation by Planck Data. Symmetry, 2023, 15, 160.	2.2	1
3863	The Target-selection Pipeline for the Dark Energy Spectroscopic Instrument. Astronomical Journal, 2023, 165, 50.	4.7	38
3864	Multipole expansion of the local expansion rate. Physical Review D, 2023, 107, .	4.7	5
3865	QUIJOTE scientific results – IV. A northern sky survey in intensity and polarization at 10–20 GHz with the multifrequency instrument. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3383-3431.	4.4	17
3866	The Dark Energy Camera Plane Survey 2 (DECaPS2): More Sky, Less Bias, and Better Uncertainties. Astrophysical Journal, Supplement Series, 2023, 264, 28.	7.7	13
3867	Pegasus IV: Discovery and Spectroscopic Confirmation of an Ultra-faint Dwarf Galaxy in the Constellation Pegasus. Astrophysical Journal, 2023, 942, 111.	4.5	19
3868	Posterior sampling for inverse imaging problems on the sphere in seismology and cosmology. , 2023, 2, 20-32.		1
3869	QUIJOTE scientific results – V. The microwave intensity and polarization spectra of the Galactic regions W49, W51 and IC443. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3432-3459.	4.4	4
3870	QUIJOTE scientific results – VII. Galactic AME sources in the QUIJOTE-MFI northern hemisphere wide survey. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3481-3503.	4.4	5
3871	QUIJOTE scientific results – VI. The Haze as seen by QUIJOTE. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3460-3480.	4.4	4
3872	Target Selection and Validation of DESI Luminous Red Galaxies. Astronomical Journal, 2023, 165, 58.	4.7	44

#	Article	IF	CITATIONS
3873	QUIJOTE scientific results – IX. Radio sources in the QUIJOTE-MFI wide survey maps. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3526-3545.	4.4	2
3874	QUIJOTE scientific results – VIII. Diffuse polarized foregrounds from component separation with QUIJOTE-MFI. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3504-3525.	4.4	6
3875	Starlight-polarization-based tomography of the magnetized ISM: PASIPHAE's line-of-sight inversion method. Astronomy and Astrophysics, 2023, 670, A164.	5.1	5
3876	\$mathcal {S}^{2}\$Net: Accurate Panorama Depth Estimation on Spherical Surface. IEEE Robotics and Automation Letters, 2023, 8, 1053-1060.	5.1	2
3877	The Impact of Beam Variations on Power Spectrum Estimation for 21 cm Cosmology. I. Simulations of Foreground Contamination for HERA. Astrophysical Journal, 2022, 941, 207.	4.5	2
3878	Quantification of Global Cloud Properties with Use of Spherical Harmonic Functions. Earth and Space Science, 0, , .	2.6	0
3879	A foreground model-independent Bayesian CMB temperature and polarization signal reconstruction and cosmological parameter estimation over large angular scales. Monthly Notices of the Royal Astronomical Society, 2023, 520, 976-987.	4.4	0
3880	The simulated catalogue of optical transients and correlated hosts (SCOTCH). Monthly Notices of the Royal Astronomical Society, 2023, 520, 2887-2912.	4.4	4
3881	The CMB dipole: Eppur si muove., 2023,,.		0
3882	The star-formation history in the last 10 billion years from CIB cross-correlations. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1895-1912.	4.4	4
3883	Robustness of cosmic birefringence measurement against Galactic foreground emission and instrumental systematics. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 044.	5.4	10
3884	The Pan-STARRS1 z > 5.6 Quasar Survey. III. The z ≈6 Quasar Luminosity Function. Astrophysical Journal, 2023, 943, 67.	4.5	8
3885	The satellite population around luminous red galaxies in the 25Âdeg2 DESI Legacy Imaging Surveys Early Data Release. Monthly Notices of the Royal Astronomical Society, 2023, 521, 504-523.	4.4	0
3886	Redshift requirements for cosmic shear with intrinsic alignment. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 033.	5.4	3
3887	A unified catalogue-level reanalysis of stage-III cosmic shear surveys. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5016-5041.	4.4	7
3888	Testing synchrotron models and frequency resolution in BINGO 21 cm simulated maps using GNILC. Astronomy and Astrophysics, 2023, 671, A58.	5.1	2
3889	The SOUX AGN sample: SDSS– <i>XMM-Newton</i> optical, ultraviolet, and X-ray selected active galactic nuclei spanning a wide range of parameter space – sample definition. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2781-2805.	4.4	4
3890	Extended delta-map: A map-based foreground removal method for CMB polarization observations. Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	2

#	Article	IF	CITATIONS
3891	Acquisition, representation, and rendering of omnidirectional videos., 2023,, 27-48.		0
3892	Maximum likelihood kinetic Sunyaev-Zel'dovich velocity reconstruction. Physical Review D, 2023, 107, .	4.7	1
3893	The Clustering Properties of AGNs/Quasars in CatWISE2020 Catalog. Astrophysical Journal, 2023, 943, 116.	4. 5	4
3894	Reconstruction of weak lensing mass maps for non-Gaussian studies in the celestial sphere. Astronomy and Astrophysics, 2023, 670, A34.	5.1	0
3895	An Extended Catalog of Sunyaev–Zeldovich Objects from Planck Data with Deep Learning. Astronomy Letters, 2022, 48, 479-496.	1.0	1
3896	Optical Cross-Match of SRG/eROSITA X-ray Sources Using the Deep Lockman Hole Survey as an Example. Astronomy Letters, 2022, 48, 653-664.	1.0	0
3897	Position-dependent correlation function of weak-lensing convergence. Physical Review D, 2023, 107, .	4.7	2
3898	Earth as an Exoplanet. II. Earth's Time-variable Thermal Emission and Its Atmospheric Seasonality of Bioindicators. Astrophysical Journal, 2023, 946, 82.	4.5	2
3899	Magnetic Misalignment of Interstellar Dust Filaments. Astrophysical Journal, 2023, 946, 106.	4.5	4
3900	Learning Implicit Probability Distribution Functions for Symmetric Orientation Estimation from RGB Images Without Pose Labels. , 2022, , .		0
3901	Black hole binaries with natal kicks. Astronomische Nachrichten, 2023, 344, .	1.2	0
3902	Bayesian parameter estimation for targeted anisotropic gravitational-wave background. Physical Review D, 2023, 107, .	4.7	2
3903	Enhancing cosmic shear with the multiscale lensing probability density function. Monthly Notices of the Royal Astronomical Society, 2023, 520, 1721-1737.	4.4	5
3904	Angular momentum inheritance from the Schwinger effect in (chromo)electromagnetic fields. Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	0
3905	Patchy Kinetic Sunyaev–Zel'dovich Effect with Controlled Reionization History and Morphology. Astrophysical Journal, 2023, 943, 138.	4.5	9
3906	BeyondPlanck. I. Global Bayesian analysis of the Planck Low Frequency Instrument data. Astronomy and Astrophysics, 0, , .	5.1	13
3907	Galactic diffuse gamma rays meet the PeV frontier. Astronomy and Astrophysics, 2023, 672, A58.	5.1	12
3908	Hickson-like compact groups inhabiting different environments. Monthly Notices of the Royal Astronomical Society, 2023, 520, 6367-6381.	4.4	3

#	Article	IF	CITATIONS
3909	All-sky modelling requirements for Bayesian 21Âcm power spectrum estimation with <scp>bayeseor</scp> . Monthly Notices of the Royal Astronomical Society, 2023, 520, 4443-4455.	4.4	2
3910	Testing quadratic maximum likelihood estimators for forthcoming Stage-IV weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4836-4852.	4.4	1
3911	Bayesian field-level inference of primordial non-Gaussianity using next-generation galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5746-5763.	4.4	6
3912	Tree-based solvers for adaptive mesh refinement code FLASH \hat{a} \in III: a novel scheme for radiation pressure on dust and gas and radiative transfer from diffuse sources. Monthly Notices of the Royal Astronomical Society, 2023, 521, 160-184.	4.4	2
3913	Triggered Population III star formation: the effect of H2 self-shielding. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5077-5089.	4.4	1
3914	GPU–FPGA-accelerated Radiative Transfer Simulation with Inter-FPGA Communication. , 2023, , .		2
3915	On Some Issues of Cross-Identification of Astronomical Catalogs. Astronomy Reports, 2022, 66, 1082-1097.	0.9	0
3916	(An)isotropy measurement with gravitational wave observations. Physical Review D, 2023, 107, .	4.7	8
3917	The halo bias for number counts on the light cone from relativistic N-body simulations. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 036.	5.4	3
3918	Simulating a full-sky high resolution Galactic synchrotron spectral index map using neural networks. Monthly Notices of the Royal Astronomical Society, 2023, 520, 6070-6082.	4.4	O
3919	IceCube Search for Neutrinos Coincident with Gravitational Wave Events from LIGO/Virgo Run O3. Astrophysical Journal, 2023, 944, 80.	4.5	8
3920	Analysing arrival directions of ultra-high-energy cosmic rays with convolutional neural networks. Journal of Physics: Conference Series, 2023, 2438, 012067.	0.4	O
3921	Polarized accretion shocks from the cosmic web. Science Advances, 2023, 9, .	10.3	5
3922	HexTile: A Hexagonal DGGS-Based Map Tile Algorithm for Visualizing Big Remote Sensing Data in Spark. ISPRS International Journal of Geo-Information, 2023, 12, 89.	2.9	2
3923	Target Selection and Validation of DESI Emission Line Galaxies. Astronomical Journal, 2023, 165, 126.	4.7	35
3924	Is the observable Universe consistent with the cosmological principle?. Classical and Quantum Gravity, 2023, 40, 094001.	4.0	48
3925	Velocity reconstruction with the cosmic microwave background and galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 051.	5.4	8
3926	Treasure Maps for Detections of Extreme Energy Cosmic Rays. Astrophysical Journal, 2023, 945, 12.	4.5	O

#	Article	IF	CITATIONS
3927	The Spectroscopic Data Processing Pipeline for the Dark Energy Spectroscopic Instrument. Astronomical Journal, 2023, 165, 144.	4.7	31
3928	A Measurement of the Cosmic Optical Background and Diffuse Galactic Light Scaling from the R < 50 au New Horizons-LORRI Data. Astrophysical Journal, 2023, 945, 45.	4.5	9
3929	Cosmological distances with general-relativistic ray tracing: framework and comparison to cosmographic predictions. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 019.	5.4	2
3930	Testing Cosmic Microwave Background Anomalies in E-mode Polarization with Current and Future Data. Astrophysical Journal, 2023, 945, 79.	4.5	2
3931	BICEP/Keck. XVI. Characterizing Dust Polarization through Correlations with Neutral Hydrogen. Astrophysical Journal, 2023, 945, 72.	4.5	6
3932	Azimuthal asymmetry in cosmic-ray boosted dark matter flux. Physical Review D, 2023, 107, .	4.7	10
3933	Diversity of New Martian Crater Clusters Informs Meteoroid Atmospheric Interactions. Journal of Geophysical Research E: Planets, 2023, 128, .	3.6	1
3934	Frequency dependence of the thermal dust <i>E</i> / <i>B</i> ratio and <i>EB</i> correlation: Insights from the spin-moment expansion. Astronomy and Astrophysics, 2023, 672, A146.	5.1	5
3935	Detecting and characterizing pulsar haloes with the Cherenkov telescope array. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3793-3809.	4.4	0
3936	Fully Dataâ€Driven Timeâ€Delay Interferometry with Timeâ€Varying Delays. Annalen Der Physik, 2024, 536, .	2.4	3
3937	BeyondPlanck. XI. Bayesian CMB analysis with sample-based end-to-end error propagation. Astronomy and Astrophysics, 0, , .	5.1	12
3938	Impact of half-wave plate systematics on the measurement of cosmic birefringence from CMB polarization. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 034.	5.4	3
3939	A hybrid map-C _{â,,"} component separation method for primordial CMB B-mode searches. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 035.	5.4	1
3940	Constraining a Model of the Radio Sky below 6 MHz Using the Parker Solar Probe/FIELDS Instrument in Preparation for Upcoming Lunar-based Experiments. Astrophysical Journal, 2023, 945, 134.	4.5	0
3941	Cosmic-Ray Anisotropy Study by Means of Detection of Muon Bundles. Astrophysical Journal, 2023, 945, 123.	4.5	1
3942	Improved Constraints on the 21 cm EoR Power Spectrum and the X-Ray Heating of the IGM with HERA Phase I Observations. Astrophysical Journal, 2023, 945, 124.	4.5	29
3943	Estimation of the Full-sky Power Spectrum between Intermediate and Large Angular Scales from Partial-sky CMB Anisotropies Using an Artificial Neural Network. Astrophysical Journal, 2023, 945, 77.	4.5	2
3944	The Fermi-LAT Lightcurve Repository*. Astrophysical Journal, Supplement Series, 2023, 265, 31.	7.7	16

#	Article	IF	Citations
3945	The peak flux of GRB 221009A measured with GRBAlpha. Astronomy and Astrophysics, 2023, 677, L2.	5.1	7
3946	Synchrotron emission from virial shocks around stacked OVRO-LWA galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5786-5809.	4.4	2
3947	The Second Radio Synchrotron Background Workshop: Conference Summary and Report. Publications of the Astronomical Society of the Pacific, 2023, 135, 036001.	3.1	3
3948	Introducing TIGRESS-NCR. I. Coregulation of the Multiphase Interstellar Medium and Star Formation Rates. Astrophysical Journal, 2023, 946, 3.	4.5	8
3949	Host Dark Matter Halos of Wide-field Infrared Survey Explorer-selected Obscured and Unobscured Quasars: Evidence for Evolution. Astrophysical Journal, 2023, 946, 27.	4.5	4
3950	Improving the open cluster census. Astronomy and Astrophysics, 2023, 673, A114.	5.1	29
3951	Photometric Catalogue for Space and Ground Night-Time Remote-Sensing Calibration: RGB Synthetic Photometry from Gaia DR3 Spectrophotometry. Remote Sensing, 2023, 15, 1767.	4.0	1
3952	Probing cosmology beyond \$\$Lambda \$\$CDM using SKA. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	0
3953	Aspect ratios of far-infrared and H‹I filaments in the diffuse interstellar medium at high Galactic latitudes. Astronomy and Astrophysics, 2023, 673, A101.	5.1	1
3954	KiDS-1000: Cross-correlation with <i>Planck</i> cosmic microwave background lensing and intrinsic alignment removal with self-calibration. Astronomy and Astrophysics, 2023, 673, A111.	5.1	4
3955	Exploring the Mass and Redshift Dependencies of the Cluster Pressure Profile with Stacks on Thermal Sunyaev–Zel'dovich Maps. Astrophysical Journal, Supplement Series, 2023, 265, 55.	7.7	2
3956	Accelerating Radiative Transfer Simulation onÂNVIDIA GPUs withÂOpenACC. Lecture Notes in Computer Science, 2023, , 344-358.	1.3	0
3957	Detection of Cosmological 21 cm Emission with the Canadian Hydrogen Intensity Mapping Experiment. Astrophysical Journal, 2023, 947, 16.	4.5	19
3958	SILCC – VII. Gas kinematics and multiphase outflows of the simulated ISM at high gas surface densities. Monthly Notices of the Royal Astronomical Society, 2023, 522, 1843-1862.	4.4	12
3959	Study on the filters of atmospheric contamination in ground based CMB observation. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 047.	5.4	0
3960	Robust Estimates of Orientation between Astrometric Catalogs. Astronomical Journal, 2023, 165, 202.	4.7	0
3961	Morphological analysis of the polarized synchrotron emission with WMAP and Planck. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 049.	5.4	4
3962	Assessing theoretical uncertainties for cosmological constraints from weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1

#	Article	IF	CITATIONS
3963	Guess the cheese flavour by the size of its holes: a cosmological test using the abundance of popcorn voids. Monthly Notices of the Royal Astronomical Society, 2023, 522, 2553-2569.	4.4	3
3964	Detection of Dipole Modulation in CMB Temperature Anisotropy Maps from WMAP and Planck using Artificial Intelligence. Astrophysical Journal, 2023, 947, 47.	4.5	3
3965	Accurate estimation of angular power spectra for maps with correlated masks. Physical Review D, 2023, 107, .	4.7	3
3966	3D simulations of AGB stellar winds. II. Ray-tracer implementation and impact of radiation on the outflow morphology. Astronomy and Astrophysics, 0, , .	5.1	1
3967	Mapping gas around massive galaxies: cross-correlation of DES Y3 galaxies and Compton- <i>y</i> maps from SPT and <i>Planck</i> . Monthly Notices of the Royal Astronomical Society, 2023, 522, 3163-3182.	4.4	4
3968	Searching for Gravitational-wave Counterparts Using the Transiting Exoplanet Survey Satellite. Astrophysical Journal Letters, 2023, 948, L3.	8.3	1
3969	Uncovering gravitational-wave backgrounds from noises of unknown shape with LISA. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 066.	5.4	8
3970	Forecasts of CMB lensing reconstruction of AliCPT-1 from the foreground cleaned polarization data. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 063.	5.4	2
3971	CHIME/FRB Discovery of 25 Repeating Fast Radio Burst Sources. Astrophysical Journal, 2023, 947, 83.	4.5	27
3972	Clustering of red sequence galaxies in the fourth data release of the Kilo-Degree Survey. Astronomy and Astrophysics, 2023, 675, A202.	5.1	2
3973	Tree-based solvers for adaptive mesh refinement code <scp>flash</scp> – IV. An X-ray radiation scheme to couple discrete and diffuse X-ray emission sources to the thermochemistry of the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4674-4690.	4.4	1
3974	é~¿é‡ŒåŽŸå^å¹⁄4•力波探æμ‹è®¡å~'的去é€é•œé¢"ç"ç©¶. Scientia Sinica: Physica, Mechanica Et Astronomica	ı,œ 0 23, , .	0
3975	Higgsino Dark Matter Confronts 14ÂYears of Fermi <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>γ</mml:mi></mml:mrow></mml:math> -Ray Data. Physical Review Letters, 2023, 130, .	7.8	2
3976	Sampling Order-Limited Signals on the Sphere. , 2023, , .		O
3977	Diffuse Emission of Galactic High-energy Neutrinos from a Global Fit of Cosmic Rays. Astrophysical Journal, 2023, 949, 16.	4.5	11
3978	Simulations of common-envelope evolution in binary stellar systems: physical models and numerical techniques. Living Reviews in Solar Physics, 2023, 9, .	11.4	22
3980	Local Group dwarf galaxy detection limit in the <i>CSST</i> survey. Monthly Notices of the Royal Astronomical Society, 2023, 523, 876-886.	4.4	4
3981	Validating dark energy models using the polarized Sunyaev-Zel'dovich effect with large-angle CMB temperature and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mi mathvariant="normal"> E</mml:mi> </mml:math> -mode polarization anisotropies. Physical Review D. 2023. 107	4.7	0

#	Article	IF	CITATIONS
3982	Sidelobe modeling and mitigation for a three mirror anastigmat cosmic microwave background telescope. Applied Optics, 2023, 62, 4334.	1.8	1
3983	Characterizing the expected behavior of non-Poissonian template fitting. Physical Review D, 2023, 107, .	4.7	1
3984	Directional neutrino searches for Galactic Center dark matter at large underground LArTPCs. Physical Review D, 2023, 107, .	4.7	0
3985	<scp>arepo</scp> white dwarf merger simulations resulting in edge-lit detonation and run-away hypervelocity companion. Monthly Notices of the Royal Astronomical Society, 2023, 523, 527-544.	4.4	2
3986	BEYONDPLANCK. Astronomy and Astrophysics, 2023, 675, A4.	5.1	6
3987	Growth-rate measurement with type-la supernovae using ZTF survey simulations. Astronomy and Astrophysics, 2023, 674, A197.	5.1	1
3988	Testing the cosmological principle: on the time dilation of distant sources. Monthly Notices of the Royal Astronomical Society, 2023, 523, 667-675.	4.4	2
3989	WHIM-hunting through cross-correlations between optical and SZ effect data in the Virgo cluster filaments. Astronomy and Astrophysics, 2023, 675, A63.	5.1	1
3990	Search for dark matter lines at the Galactic Center with 14Âyears of Fermi data. Physical Review D, 2023, 107, .	4.7	6
3991	Stellar-reddening-based Extinction Maps for Cosmological Applications. Astrophysical Journal, 2023, 949, 47.	4. 5	1
3992	Comparing the Photometric Calibration of DESI Imaging and Gaia Synthetic Photometry. Research Notes of the AAS, 2023, 7, 105.	0.7	1
3993	The C-Band All-Sky Survey (C-BASS): new constraints on the integrated radio spectrum of M 31. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3471-3486.	4.4	3
3994	A panoptic view of the Taurus molecular cloud. I. The cloud dynamics revealed by gas emission and 3D dust. Astronomy and Astrophysics, 0, , .	5.1	0
3995	Forecast of cross-correlation of Chinese Survey Space Telescope cosmic shear tomography with Ali CMB Polarization Telescope cosmic microwave background lensing. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3001-3017.	4.4	2
3996	Seismic evidence for global basalt accumulation in the mantle transition zone. Science Advances, 2023, 9, .	10.3	3
3997	Minute-cadence observations of the LAMOST fields with the TMTS: II. Catalogues of short-period variable stars from the first 2-yr surveys. Monthly Notices of the Royal Astronomical Society, 2023, 523, 2172-2192.	4.4	2
3998	Improving initialization and evolution accuracy of cosmological neutrino simulations. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 003.	5.4	2
3999	The cosmic radio dipole: Bayesian estimators on new and old radio surveys. Astronomy and Astrophysics, 2023, 675, A72.	5.1	4

#	Article	IF	CITATIONS
4000	Constraints on the Cosmic Expansion History from GWTC–3. Astrophysical Journal, 2023, 949, 76.	4.5	51
4001	Overcomplete Multiscale Dictionary of Slepian Functions for HEALPix on the Sphere. IEEE Transactions on Signal Processing, 2023, 71, 2532-2547.	5.3	O
4002	Dark Energy Survey Year 3 results: magnification modelling and impact on cosmological constraints from galaxy clustering and galaxy–galaxy lensing. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3649-3670.	4.4	9
4003	UHECR echoes from the Council of Giants. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4004	Cosmic census: Relative distributions of dark matter, galaxies, and diffuse gas. Astronomy and Astrophysics, 0, , .	5.1	0
4005	Designing Robots for Reachability and Dexterity: Continuum Surgical Robots as a Pretext Application. IEEE Transactions on Robotics, 2023, 39, 2989-3007.	10.3	1
4006	Optimal estimation of the binned mask-free power spectrum, bispectrum, and trispectrum on the full sky: Scalar edition. Physical Review D, 2023, 107 , .	4.7	4
4007	Tensor-to-scalar ratio forecasts for extended LiteBIRD frequency configurations. Astronomy and Astrophysics, 2023, 676, A42.	5.1	2
4008	YSE-PZ: A Transient Survey Management Platform that Empowers the Human-in-the-loop. Publications of the Astronomical Society of the Pacific, 2023, 135, 064501.	3.1	11
4009	The CMB cold spot under the lens: ruling out a supervoid interpretation. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 040.	5. 4	2
4010	Foreground separation and constraints on primordial gravitational waves with the PICO space mission. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 034.	5.4	8
4011	A general framework for removing point-spread function additive systematics in cosmological weak lensing analysis. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2441-2471.	4.4	4
4012	Model-independent search for anisotropies in stochastic gravitational-wave backgrounds and application to LIGO-Virgo's first three observing runs. Physical Review D, 2023, 107, .	4.7	0
4013	Inference of the optical depth to reionization tau from Planck CMB maps with convolutional neural networks. Astronomy and Astrophysics, 0, , .	5.1	0
4014	Synthetic dust polarization emission maps at $353 {\rm \hat{A}GHz}$ for an observer placed inside a Local Bubble-like cavity. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4015	Model independent variance cancellation in CMB lensing cross-correlations. Physical Review D, 2023, 107, .	4.7	1
4016	Galaxy cluster rotation revealed in the MACSIS simulations with the kinetic Sunyaev–Zeldovich effect. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2262-2289.	4.4	3
4017	Generation of high circular polarization of interstellar Lyman \hat{l}_{\pm} radiation triggering biological homochirality. Monthly Notices of the Royal Astronomical Society, $0, \ldots$	4.4	1

#	Article	IF	CITATIONS
4018	The Tiered Radio Extragalactic Continuum (T-RECS) simulation II: HÂ <scp>i</scp> emission and continuum-HÂ <scp>i</scp> cross-correlation Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4019	A possible common explanation for several cosmic microwave background (CMB) anomalies: A strong impact of nearby galaxies on observed large-scale CMB fluctuations. Astronomy and Astrophysics, 0, , .	5.1	4
4020	Star cluster formation and feedback in different environments of a Milky Way-like galaxy. Monthly Notices of the Royal Astronomical Society, 2023, 524, 555-568.	4.4	3
4021	Constraints on the Gamma-Ray Emission from Small Solar System Bodies with the Fermi Large Area Telescope Data. Astrophysical Journal, 2023, 951, 13.	4.5	0
4022	Joint Modelling of Dust Scattering and Thermal Emission: The Spider Complex. Astrophysical Journal, 2023, 948, 4.	4.5	2
4023	Model-independent Constraints on Clustering and Growth of Cosmic Structures from BOSS DR12 Galaxies in Harmonic Space. Astrophysical Journal, 2023, 948, 6.	4.5	1
4024	CRPropa high statistics simulations for UHECR anisotropy studies. EPJ Web of Conferences, 2023, 283, 03010.	0.3	0
4025	Cherenkov Telescope Array will test whether pulsars generate the Galactic Center gamma-ray excess. Physical Review D, 2023, 107, .	4.7	1
4026	Galaxy cluster SZ detection with unbiased noise estimation: an iterative approach. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4766-4780.	4.4	2
4027	The Spherical Fast Multipole Method (sFMM) for Gravitational Lensing Simulation. Astrophysical Journal, 2023, 948, 56.	4.5	0
4028	Spherical Vector Quantization for Spatial Direction Coding. , 2023, , .		0
4029	Mitigating the impact of the CIB on galaxy cluster SZ detection with spectrally constrained matched filters. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5123-5141.	4.4	2
4030	The Physics of the Accelerating Universe Survey: narrow-band image photometry. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3287-3317.	4.4	0
4031	Constraints on the Cosmic Expansion Rate at Redshift 2.3 from the Lyman- <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow> <mml:mi>α</mml:mi></mml:mrow> </mml:math> Forest. Physical Review Letters. 2023. 130	7.8	9
4032	Testing decaying dark matter models as a solution to the <i>S</i> ₈ tension with the thermal Sunyaev-Zel'dovich effect. Astronomy and Astrophysics, 2023, 674, A222.	5.1	1
4033	Statistical Recovery of 21 cm Visibilities and Their Power Spectra with Gaussian-constrained Realizations and Gibbs Sampling. Astrophysical Journal, Supplement Series, 2023, 266, 23.	7.7	3
4034	Tuning the Legacy Survey of Space and Time (LSST) Observing Strategy for Solar System Science. Astrophysical Journal, Supplement Series, 2023, 266, 22.	7.7	20
4035	Simulating the diversity of shapes of the Lyman- $\langle i \rangle \hat{l} \pm \langle i \rangle$ line. Monthly Notices of the Royal Astronomical Society, 2023, 523, 3749-3772.	4.4	9

#	ARTICLE	IF	CITATIONS
4036	The DESI Bright Galaxy Survey: Final Target Selection, Design, and Validation. Astronomical Journal, 2023, 165, 253.	4.7	33
4037	Mitigating Cosmic Microwave Background Shadow Degradation of Tensor-to-scalar Ratio Measurements through Map-based Studies. Astrophysical Journal Letters, 2023, 949, L29.	8.3	0
4038	Optimal method for reconstructing polychromatic maps from broadband observations with an asymmetric antenna pattern. Physical Review D, 2023, 107 , .	4.7	0
4040	Data processing pipeline for multiple-exposure photo-plate digital archives. Publication of the Astronomical Society of Japan, 0, , .	2.5	0
4041	Dark matter or millisecond pulsars? A deep learning-based analysis of the Fermi Galactic Centre Excess. SciPost Physics Proceedings, 2023, , .	0.4	0
4042	A Cross-correlation Study between IceCube Neutrino Events and the FERMI Unresolved Gamma-Ray Sky. Astrophysical Journal, 2023, 951, 83.	4.5	0
4043	Constraints on Populations of Neutrino Sources from Searches in the Directions of IceCube Neutrino Alerts. Astrophysical Journal, 2023, 951, 45.	4.5	5
4044	A catalogue of cataclysmic variables from 20 yr of the Sloan Digital Sky Survey with new classifications, periods, trends, and oddities. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4867-4898.	4.4	6
4045	Implementation of an Efficient Bayesian Search for Gravitational-wave Bursts with Memory in Pulsar Timing Array Data. Astrophysical Journal, 2023, 951, 121.	4.5	4
4046	Optimization of the <i>SVOM</i> satellite strategy for the rapid follow-up of gravitational wave events. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4000-4011.	4.4	0
4047	A sample of fast radio bursts discovered and localized with MeerTRAP at the <i>MeerKAT</i> telescope. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4275-4295.	4.4	3
4048	The NANOGrav 12.5 yr Data Set: Bayesian Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. Astrophysical Journal Letters, 2023, 951, L28.	8.3	10
4049	Caustic-Like Structures in UHECR Flux after Propagation in Turbulent Intergalactic Magnetic Fields. Journal of Experimental and Theoretical Physics, 2023, 136, 704-710.	0.9	1
4050	Weak lensing tomographic redshift distribution inference for the hyper suprime-cam subaru strategic program three-year shape catalogue. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
4051	Detecting dark compact objects in Gaia DR4: A data analysis pipeline for transient astrometric lensing searches. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 037.	5.4	1
4052	High resolution imaging spectroscopy of the sky. Solar Energy, 2023, 262, 111821.	6.1	О
4053	COSMOGLOBE DR1 results. Astronomy and Astrophysics, 2023, 679, A144.	5.1	4
4054	LSST Survey Strategy in the Galactic Plane and Magellanic Clouds. Astrophysical Journal, Supplement Series, 2023, 267, 15.	7.7	1

#	Article	IF	CITATIONS
4055	Angular power spectra of anisotropic stochastic gravitational wave background: Developing statistical methods and analyzing data from ground-based detectors. Physical Review D, 2023, 108, . 30	4.7	2
4056	2018 <mml:math display="inline" xmins:mml="http://www.w3.org/1998/Math/Math/ML"><mml:mrow><mml:mrow></mml:mrow></mml:mrow>TT<td>> 4.7</td><td>nath> 22</td></mml:math>	> 4.7	nath> 22
4057	Detecting the H <scp> i</scp> power spectrum in the post-reionization Universe with SKA-Low. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3724-3740.	4.4	2
4058	The impact of anisotropic redshift distributions on angular clustering. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 044.	5.4	1
4059	Polarization fraction of <i>Planck</i> Calactic cold clumps and forecasts for the Simons Observatory. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3712-3723.	4.4	0
4060	Stochastic gravitational wave background constraints from Gaia DR3 astrometry. Monthly Notices of the Royal Astronomical Society, 2023, 524, 3609-3622.	4.4	3
4061	A Blueprint for the Milky Way's Stellar Populations. IV. A String of Pearlsâ€"the Galactic Starburst Sequence. Astrophysical Journal, 2023, 952, 66.	4.5	2
4062	Efficient Distortion Mitigation and Partition Reduction in Mapping Global Geodata: Dual Orthogonal Equidistant Cylindrical Projection Approach. ISPRS International Journal of Geo-Information, 2023, 12, 289.	2.9	O
4063	Search for Ultra-high-energy Photons from Gravitational Wave Sources with the Pierre Auger Observatory. Astrophysical Journal, 2023, 952, 91.	4.5	0
4064	Thermal Sunyaev–Zeldovich measurements and cosmic infrared background leakage mitigation combining upcoming ground-based telescopes. Astronomy and Astrophysics, 2023, 677, A87.	5.1	1
4065	Analysis of Needlet Internal Linear Combination performance on B-mode data from sub-orbital experiments. Astronomy and Astrophysics, 0, , .	5.1	0
4066	Systematic error mitigation for the PIXIE Fourier transform spectrometer. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 057.	5.4	1
4067	On the impact of the galaxy window function on cosmological parameter estimation. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4068	The NANOGrav 15 yr Data Set: Bayesian Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. Astrophysical Journal Letters, 2023, 951, L50.	8.3	21
4069	An Unbiased Method of Measuring the Ratio of Two Data Sets. Astrophysical Journal, Supplement Series, 2023, 267, 21.	7.7	2
4070	Kinematic Sunyaev-Zel'dovich effect with ACT, DES, and BOSS: A novel hybrid estimator. Physical Review D, 2023, 108, .	4.7	1
4071	Six More Ultra-faint Milky Way Companions Discovered in the DECam Local Volume Exploration Survey. Astrophysical Journal, 2023, 953, 1.	4.5	12
4072	Towards a full <i>>w</i> CDM map-based analysis for weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2023, 525, 761-784.	4.4	4

#	ARTICLE	IF	CITATIONS
4073	A Data Science Platform to Enable Time-domain Astronomy. Astrophysical Journal, Supplement Series, 2023, 267, 31.	7.7	8
4074	Runaway and Hypervelocity Stars from Compact Object Encounters in Globular Clusters. Astrophysical Journal, 2023, 953, 19.	4.5	3
4075	Discovery of Gamma Rays from the Quiescent Sun with HAWC. Physical Review Letters, 2023, 131, .	7.8	8
4076	DESI and DECaLS (D&D): galaxy–galaxy lensing measurements with 1ÂperÂcent survey and its forecast. Monthly Notices of the Royal Astronomical Society, 2023, 524, 6071-6084.	4.4	1
4077	The Eighteenth Data Release of the Sloan Digital Sky Surveys: Targeting and First Spectra from SDSS-V. Astrophysical Journal, Supplement Series, 2023, 267, 44.	7.7	24
4078	Gammapy: A Python package for gamma-ray astronomy. Astronomy and Astrophysics, 2023, 678, A157.	5.1	4
4079	Improved cosmic microwave background (de-)lensing using general spherical harmonic transforms. Astronomy and Astrophysics, 2023, 678, A165.	5.1	1
4080	DEMNUni: the imprint of massive neutrinos on the cross-correlation between cosmic voids and CMB lensing. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 010.	5.4	3
4081	Detecting and Characterizing Mg ii Absorption in DESI Survey Validation Quasar Spectra. Astronomical Journal, 2023, 166, 99.	4.7	3
4082	Localization of binary neutron star mergers with a single cosmic explorer. Physical Review D, 2023, 108, .	4.7	4
4083	The Dark Energy Survey Year 3 high redshift sample: Selection, characterization and analysis of galaxy clustering. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4084	Polar ionospheric currents and high temporal resolution geomagnetic field models. Geophysical Journal International, 0, , .	2.4	0
4085	Relativistic matter bispectrum of cosmic structures on the light cone. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 043.	5.4	1
4086	DELVE 6: An Ancient, Ultra-faint Star Cluster on the Outskirts of the Magellanic Clouds. Astrophysical Journal Letters, 2023, 953, L21.	8.3	2
4087	The FLAMINGO project: cosmological hydrodynamical simulations for large-scale structure and galaxy cluster surveys. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4978-5020.	4.4	11
4088	A case study for measuring the relativistic dipole of a galaxy cross-correlation with the Dark Energy Spectroscopic Instrument. Monthly Notices of the Royal Astronomical Society, 2023, 525, 4611-4627.	4.4	1
4089	Nature of M31 gamma-ray halo in relation to dark matter annihilation. Physical Review D, 2023, 108, .	4.7	1
4090	Spherical Cap Discrepancy of Perturbed Lattices Under the Lambert Projection. Discrete and Computational Geometry, 0, , .	0.6	1

#	Article	IF	Citations
4091	Untargeted Bayesian search of anisotropic gravitational-wave backgrounds through the analytical marginalization of the posterior. Physical Review D, 2023, 108, .	4.7	2
4092	The Galaxy–Halo Connection of DESI Luminous Red Galaxies with Subhalo Abundance Matching. Astrophysical Journal, 2023, 954, 131.	4.5	O
4093	Impact of the Galactic bar on tidal streams within the Galactic disc. Astronomy and Astrophysics, 2023, 678, A180.	5.1	2
4094	First detection of the BAO signal from early DESI data. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5406-5422.	4.4	4
4095	The Rapid ASKAP Continuum Survey III: Spectra and Polarisation In Cutouts of Extragalactic Sources (SPICE-RACS) first data release. Publications of the Astronomical Society of Australia, 2023, 40, .	3.4	0
4096	Annotated Coadds: Concise Metrics for Characterizing Survey Cadence and for Discovering Variable and Transient Sources. Publications of the Astronomical Society of the Pacific, 2023, 135, 084503.	3.1	O
4097	Extracting the gamma-ray source-count distribution below the Fermi-LAT detection limit with deep learning. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 029.	5.4	0
4098	A Simulation of Calibration and Map-making Errors of the Tianlai Cylinder Pathfinder Array. Research in Astronomy and Astrophysics, 2023, 23, 105008.	1.7	1
4099	<scp>mglens</scp> : Modified gravity weak lensing simulations for emulation-based cosmological inference. Monthly Notices of the Royal Astronomical Society, 2023, 525, 6336-6358.	4.4	3
4100	Earth as a Transiting Exoplanet: A Validation of Transmission Spectroscopy and Atmospheric Retrieval Methodologies for Terrestrial Exoplanets. Planetary Science Journal, 2023, 4, 170.	3.6	3
4101	Testing the cosmological principle with CatWISE quasars: a bayesian analysis of the number-count dipole. Monthly Notices of the Royal Astronomical Society, 2023, 525, 231-245.	4.4	7
4102	Measures of non-Gaussianity in axion-string-induced CMB birefringence. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 024.	5.4	2
4103	Towards detecting super-GeV dark matter via annihilation to neutrinos. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 006.	5.4	1
4104	Completeness of the NASA/IPAC Extragalactic Database (NED) Local Volume Sample. Astrophysical Journal, Supplement Series, 2023, 268, 14.	7.7	0
4105	Backsplash galaxies and their impact on galaxy evolution: a three-stage, four-type perspective. Monthly Notices of the Royal Astronomical Society, 2023, 525, 3048-3060.	4.4	1
4106	Multiclustering needlet ILC for CMB <i>B</i> -mode component separation. Monthly Notices of the Royal Astronomical Society, 2023, 525, 3117-3135.	4.4	1
4107	High-resolution CMB bispectrum estimator with flexible modal bases. Physical Review D, 2023, 108, .	4.7	2
4108	The Orion-Taurus ridge: A synchrotron radio loop at the edge of the Orion-Eridanus superbubble. Astronomy and Astrophysics, 2023, 677, L11.	5.1	0

#	Article	IF	CITATIONS
4109	Unified Multi-structural Element Modeling Methods Using Icosahedral Discrete Global Grid Systems. Mathematical Geosciences, 2024, 56, 361-386.	2.4	2
4110	Search for Correlations of High-energy Neutrinos Detected in IceCube with Radio-bright AGN and Gamma-Ray Emission from Blazars. Astrophysical Journal, 2023, 954, 75.	4.5	8
4111	OPUS-DSD: deep structural disentanglement for cryo-EM single-particle analysis. Nature Methods, 2023, 20, 1729-1738.	19.0	1
4112	A seamless approach for evaluating climate models across spatial scales. Frontiers in Earth Science, 0, 11, .	1.8	0
4113	Constraints on Early Dark Energy from Isotropic Cosmic Birefringence. Physical Review Letters, 2023, 131, .	7.8	9
4114	A new texture descriptor for data-driven constitutive modeling of anisotropic plasticity. Journal of Materials Science, 2023, 58, 14029-14050.	3.7	0
4115	GEORGIA: A Graph Neural Network Based EmulatOR for Glacial Isostatic Adjustment. Geophysical Research Letters, 2023, 50, .	4.0	0
4116	The Fundamental Patterns of Sea Surface Temperature. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-19.	6.3	0
4117	The Rapid ASKAP Continuum Survey IV: continuum imaging at 1367.5 MHz and the first data release of RACS-mid. Publications of the Astronomical Society of Australia, 2023, 40, .	3.4	7
4118	The Impact of Beam Variations on Power Spectrum Estimation for 21 cm Cosmology. II. Mitigation of Foreground Systematics for HERA. Astrophysical Journal, 2023, 953, 136.	4. 5	0
4119	SphereGlue: Learning Keypoint Matching on High Resolution Spherical Images. , 2023, , .		0
4120	Spectropolarimetry and spectral decomposition of high-accreting narrow-line Seyfert 1 galaxies. Astronomy and Astrophysics, 2023, 678, A63.	5.1	1
4121	Probing cosmological particle production and pairwise hotspots with deep neural networks. Physical Review D, 2023, 108, .	4.7	1
4122	QUIJOTE scientific results – X. Spatial variations of Anomalous Microwave Emission along the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1343-1366.	4.4	3
4123	UniDexGrasp: Universal Robotic Dexterous Grasping via Learning Diverse Proposal Generation and Goal-Conditioned Policy. , 2023, , .		4
4124	Structure, Kinematics, and Observability of the Large Magellanic Cloud's Dynamical Friction Wake in Cold versus Fuzzy Dark Matter. Astrophysical Journal, 2023, 954, 163.	4.5	1
4125	COSMOGLOBE: Towards end-to-end CMB cosmological parameter estimation without likelihood approximations. Astronomy and Astrophysics, 2023, 678, A169.	5.1	0
4126	Capturing Statistical Isotropy Violation with Generalized Isotropic Angular Correlation Functions of Cosmic Microwave Background Anisotropy. Astrophysical Journal, 2023, 954, 181.	4.5	1

#	Article	IF	CITATIONS
4127	Joint measurement of the galaxy cluster pressure profile with <i>Planck</i> and SPT-SZ. Astronomy and Astrophysics, 2023, 678, A197.	5.1	1
4128	Optimal estimation of the binned mask-free power spectrum, bispectrum, and trispectrum on the full sky: Tensor edition. Physical Review D, 2023, 108, .	4.7	2
4129	Precise self-calibration of interloper bias in spectroscopic surveys. Monthly Notices of the Royal Astronomical Society, 2023, 526, 820-829.	4.4	1
4130	Potential signature of a quadrupolar hubble expansion in Pantheon+supernovae. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1482-1494.	4.4	3
4131	The kinematic structure of magnetically aligned H <scp>i</scp> filaments. Monthly Notices of the Royal Astronomical Society, 2023, 526, 4345-4358.	4.4	1
4132	Uncertainties of the 30-408 MHz Galactic emission as a calibration source for radio detectors in astroparticle physics. Astronomy and Astrophysics, 0, , .	5.1	0
4133	Constraints on the local cosmic void from the Pantheon supernovae data. European Physical Journal C, 2023, 83 , .	3.9	1
4134	Reconstruction of full sky CMB E and B modes spectra removing E-to-B leakage from partial sky using deep learning. Journal of Astrophysics and Astronomy, 2023, 44, .	1.0	0
4135	Correlating High-energy IceCube Neutrinos with 5BZCAT Blazars and RFC Sources. Astrophysical Journal Letters, 2023, 955, L32.	8.3	7
4136	Cosmological constraints from low redshift $21\hat{A}$ cm intensity mapping with machine learning. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4137	Storage optimisation and distributed architecture for time series reconstruction of massive astronomical catalogues. Experimental Astronomy, 0 , , .	3.7	1
4138	COSMOGLOBE DR1 results. Astronomy and Astrophysics, 2023, 679, A143.	5.1	3
4139	The Simons Observatory: a new open-source power spectrum pipeline applied to the Planck legacy data. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 048.	5 . 4	0
4140	Field-level multiprobe analysis of the CMB, integrated Sachs-Wolfe effect, and the galaxy density maps. Physical Review D, 2023, 108, .	4.7	0
4141	Minkowski Functionals of CMB polarization intensity with Pynkowski: Theory and application to $\langle i \rangle$ Planck $\langle i \rangle$ and future data. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4142	A CHIME/FRB Study of Burst Rate and Morphological Evolution of the Periodically Repeating FRB 20180916B. Astrophysical Journal, 2023, 956, 23.	4.5	2
4143	The NANOGrav 15 yr Data Set: Search for Anisotropy in the Gravitational-wave Background. Astrophysical Journal Letters, 2023, 956, L3.	8.3	16
4144	Clustering Properties of Intermediate and High-mass Young Stellar Objects*. Astronomical Journal, 2023, 166, 183.	4.7	O

#	Article	IF	CITATIONS
4145	Unraveling the CMB lack-of-correlation anomaly with the cosmological gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 013.	5.4	1
4146	Search for Extended Sources of Neutrino Emission in the Galactic Plane with IceCube. Astrophysical Journal, 2023, 956, 20.	4.5	1
4147	A CMB lensing analysis of the extended mass distribution of clusters. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5393-5400.	4.4	0
4148	Sampling based spherical transformer for 360 degree image classification. Expert Systems With Applications, 2024, 238, 121853.	7.6	0
4149	Enabling discovery of Solar System objects in large alert data streams. Astronomy and Astrophysics, 0,	5.1	0
4150	Gaia Focused Product Release: Asteroid orbital solution. Properties and assessment. Astronomy and Astrophysics, 0, , .	5.1	0
4151	Gaia Focused Product Release: Sources from service interface function image analysis. Half a million new sources in omega Centauri. Astronomy and Astrophysics, 0, , .	5.1	1
4152	Gaia Focused Product Release: Radial velocity time series of long-period variables. Astronomy and Astrophysics, 0, , .	5.1	0
4153	Gaia Focused Product Release: Spatial distribution of two diffuse interstellar bands. Astronomy and Astrophysics, 0, , .	5.1	1
4154	Multicomponent imaging of the Fermi gamma-ray sky in the spatio-spectral domain. Astronomy and Astrophysics, 0, , .	5.1	0
4155	CLASS Data Pipeline and Maps for 40 GHz Observations through 2022. Astrophysical Journal, 2023, 956, 77.	4.5	2
4156	QUIJOTE scientific results – XIII. Intensity and polarization study of the microwave spectra of supernova remnants in the QUIJOTE-MFI wide survey: CTBÂ80, Cygnus Loop, HBÂ21, CTAÂ1, Tycho and HBÂ9. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4157	The first comprehensive Milky Way stellar mock catalogue for the Chinese Space Station Telescope Survey Camera. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	5.1	2
4158	Hierarchical Semi-Sparse Cubes - parallel framework for storing multi-modal big data in HDF5. IEEE Access, 2023, , 1-1.	4.2	0
4159	Detection of the significant impact of source clustering on higher order statistics with DES Year 3 weak gravitational lensing data. Monthly Notices of the Royal Astronomical Society: Letters, 2023, 527, L115-L121.	3.3	3
4160	A GPU-accelerated viewer for HEALPix maps. Astronomy and Computing, 2023, , 100758.	1.7	0
4161	Cosmology from LOFAR Two-metre Sky Survey Data Release 2: Angular clustering of radio sources. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4162	Impact of modelling galaxy redshift uncertainties on the gravitational-wave dark standard siren measurement of the Hubble constant. Monthly Notices of the Royal Astronomical Society, 2023, 526, 6224-6233.	4.4	2

#	Article	IF	Citations
4163	QUIJOTE Scientific Results – XVII. Studying the anomalous microwave emission in the Andromeda Galaxy with QUIJOTE-MFI. Monthly Notices of the Royal Astronomical Society, 2023, 527, 11945-11961.	4.4	1
4164	Observational investigation of the dynamical tides in massive eccentric binaries. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	O
4165	An improved Compton parameter map of thermal Sunyaev–Zeldovich effect from <i>Planck</i> PR4 data. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5682-5698.	4.4	3
4166	Constraints on primordial non-Gaussianity from halo bias measured through CMB lensing cross-correlations. Physical Review D, 2023, 108, .	4.7	3
4167	Characterizing cosmic birefringence in the presence of Galactic foregrounds and instrumental systematic effects. Physical Review D, 2023, 108, .	4.7	2
4168	Towards accurate field-level inference of massive cosmic structures. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
4169	Mini-quenching of <i>z</i> Â= 4â€"8 galaxies by bursty star formation. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2139-2151.	4.4	6
4170	Angular Power Spectrum of Gravitational-Wave Transient Sources as a Probe of the Large-Scale Structure. Physical Review Letters, 2023, 131, .	7.8	O
4171	Too small to fail: characterizing sub-solar mass black hole mergers with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 039.	5.4	3
4172	Do the CMB Temperature Fluctuations Conserve Parity?. Physical Review Letters, 2023, 131, .	7.8	6
4173	<i>CSST</i> WL preparation I: forecast the impact from non-Gaussian covariances and requirements on systematics control. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5206-5218.	4.4	1
4174	Prospective dark matter annihilation signals from the Sagittarius Dwarf Spheroidal. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5324-5338.	4.4	0
4175	Evidence of Ultrafaint Radio Frequency Interference in Deep 21 cm Epoch of Reionization Power Spectra with the Murchison Wide-field Array. Astrophysical Journal, 2023, 957, 78.	4.5	0
4176	A Quantitative Comparison ofÂUniformity ofÂDistribution Achieved inÂDifferent Methods ofÂDiscrete Sampling ofÂ\$\$mathbb{S}mathbb{O}(3)\$\$. Mechanisms and Machine Science, 2023, , 731-741.	0.5	0
4177	Cross-correlation of cosmic voids with thermal Sunyaev–Zel'dovich data. Monthly Notices of the Royal Astronomical Society, 2023, 527, 2663-2671.	4.4	0
4178	The STATiX pipeline for the detection of X-ray transients in three dimensions. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3674-3691.	4.4	0
4179	A multitracer empirically driven approach to line-intensity mapping light cones. Monthly Notices of the Royal Astronomical Society, 2023, 526, 5883-5899.	4.4	1
4180	The High-Altitude Water Cherenkov Detector Array – HAWC. , 2023, , 1-26.		0

#	Article	IF	Citations
4181	Runtime optimization of acquisition trajectories for x-ray computed tomography with a robotic sample holder. Engineering Research Express, 2023, 5, 045058.	1.6	2
4182	IceCat-1: The IceCube Event Catalog of Alert Tracks. Astrophysical Journal, Supplement Series, 2023, 269, 25.	7.7	7
4183	The warm-hot circumgalactic medium of the Milky Way as seen by eROSITA. Astronomy and Astrophysics, $0, , .$	5.1	2
4184	Influence of local structure on relic neutrino abundances and anisotropies. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 038.	5 . 4	1
4185	The polarization quaternion and its applications: a joint representation of the Q/U Stokes parameters and E/B mode polarizations. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 025.	5.4	0
4186	Constraining cosmology with the Gaia-unWISE Quasar Catalog and CMB lensing: structure growth. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 043.	5 . 4	2
4187	3D correlations in the Lyman- \hat{l}_{\pm} forest from early DESI data. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 045.	5.4	2
4188	High-level GPU code: a case study examining JAX and OpenMP , 2023, , .		0
4189	Identification of Superclusters and Their Properties in the Sloan Digital Sky Survey Using the WHL Cluster Catalog. Astrophysical Journal, 2023, 958, 62.	4.5	2
4190	Spherical Framelets from Spherical Designs. SIAM Journal on Imaging Sciences, 2023, 16, 2072-2104.	2.2	1
4191	Numerical relativity estimates of the remnant recoil velocity in binary neutron star mergers. Physical Review D, 2023, 108, .	4.7	0
4192	The Atacama Cosmology Telescope: map-based noise simulations for DR6. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 073.	5.4	2
4193	Broadband maps of eROSITA and their comparison with the ROSAT survey. Astronomy and Astrophysics, 0 , , .	5.1	2
4194	The BINGO Project. IX. Search for fast radio bursts $\hat{a}\in$ A forecast for the BINGO interferometry system. Astronomy and Astrophysics, 0, , .	5.1	0
4195	Cosmology from LOFAR Two-metre Sky Survey Data Release 2: Cross-correlation with the cosmic microwave background. Astronomy and Astrophysics, 0, , .	5.1	0
4196	Corrected SFD: A More Accurate Galactic Dust Map with Minimal Extragalactic Contamination. Astrophysical Journal, 2023, 958, 118.	4.5	2
4197	Impact of Galactic dust non-Gaussianity on searches for $\langle i \rangle B \langle i \rangle$ -modes from inflation. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5751-5766.	4.4	1
4198	Sound field interpolation via sparse plane wave decomposition for 6DoF immersive audio., 2023,,.		O

#	Article	IF	CITATIONS
4199	HAFFET: Hybrid Analytic Flux FittEr for Transients. Astrophysical Journal, Supplement Series, 2023, 269, 40.	7.7	2
4200	Survey Operations for the Dark Energy Spectroscopic Instrument. Astronomical Journal, 2023, 166, 259.	4.7	7
4201	Cosmological parameters derived from the final Planck data release (PR4). Astronomy and Astrophysics, $0,$	5.1	3
4202	First Light And Reionisation Epoch Simulations (FLARES) – XII: The consequences of star–dust geometry on galaxies in the EoR. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7337-7354.	4.4	1
4203	DESI Legacy Imaging Surveys Data Release 9: Cosmological constraints from galaxy clustering and weak lensing using the minimal bias model. Science China: Physics, Mechanics and Astronomy, 2023, 66,	5.1	1
4204	Detecting CosmicÂ21Âcm Global Signal Using an Improved Polynomial Fitting Algorithm. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
4205	Cosmological Parameter Constraints from the SDSS Density and Momentum Power Spectra. Astrophysical Journal, 2023, 958, 180.	4.5	0
4206	Mapping the Universe with gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7191-7202.	4.4	1
4207	Estimating Distances from Parallaxes. VI. A Method for Inferring Distances and Transverse Velocities from Parallaxes and Proper Motions Demonstrated on Gaia Data Release 3. Astronomical Journal, 2023, 166, 269.	4.7	1
4208	Neutral Hydrogen (H i) 21 cm as a Probe: Investigating Spatial Variations in Interstellar Turbulent Properties. Astrophysical Journal, 2023, 958, 192.	4.5	1
4209	AMICO galaxy clusters in KiDS-DR3: Cosmological constraints from the angular power spectrum and correlation function. Astronomy and Astrophysics, 0, , .	5.1	0
4210	Line-of-sight structure of troughs identified in <i>Subaru</i> Hyper Suprime-Cam Year 3 weak lensing mass maps. Monthly Notices of the Royal Astronomical Society, 2023, 527, 5974-5987.	4.4	0
4211	The cosmic dipole in the Quaia sample of quasars: a Bayesian analysis. Monthly Notices of the Royal Astronomical Society, 2023, 527, 8497-8510.	4.4	1
4212	SphereDRUNet: A Spherical Denoiser for Omnidirectional Images. , 2023, , .		0
4213	Application of Regularization Methods in the Sky Map Reconstruction of the Tianlai Cylinder Pathfinder Array. Research in Astronomy and Astrophysics, 0, , .	1.7	0
4214	Diagnostics from Polarization of Scattered Optical Light from Galactic Infrared Cirrus. Astrophysical Journal, 2023, 959, 40.	4.5	0
4215	Rapid Localization of Gravitational Wave Sources from Compact Binary Coalescences Using Deep Learning. Astrophysical Journal, 2023, 959, 42.	4.5	0
4216	Premerger Sky Localization of Gravitational Waves from Binary Neutron Star Mergers Using Deep Learning. Astrophysical Journal, 2023, 959, 76.	4.5	1

#	Article	IF	CITATIONS
4217	The Lyman-α forest catalogue from the Dark Energy Spectroscopic Instrument Early Data Release. Monthly Notices of the Royal Astronomical Society, 2024, 528, 6666-6679.	4.4	1
4218	An evaluation of the LLC4320 global-ocean simulation based on the submesoscale structure of modeled sea surface temperature fields. Geoscientific Model Development, 2023, 16, 7143-7170.	3.6	0
4219	Advancing digital earth modeling: Hexagonal multi-structural elements in icosahedral DGGS for enhanced geospatial data processing. Environmental Modelling and Software, 2024, 172, 105922.	4.5	1
4220	The Rapid ASKAP Continuum Survey V: cataloguing the sky at 1367.5 MHz and the second data release of RACS-mid. Publications of the Astronomical Society of Australia, 0, , 1-31.	3.4	0
4221	Measurement of gravitational lensing of the cosmic microwave background using SPT-3G 2018 data. Physical Review D, 2023, 108, .	4.7	1
4222	Fitting and Comparing Galactic Foreground Models for Unbiased 21 cm Cosmology. Astrophysical Journal, 2023, 959, 103.	4.5	0
4223	Joint cosmological and gravitational-wave population inference using dark sirens and galaxy catalogues. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 023.	5.4	7
4224	Importance of high-frequency bands for removal of thermal dust in ECHO. Physical Review D, 2023, 108, .	4.7	0
4225	Formation of Massive and Wide First-star Binaries in Radiation Hydrodynamic Simulations. Astrophysical Journal, 2023, 959, 17.	4.5	3
4226	Application of spherical harmonic filtering to 4Ï€ gamma imaging. Japanese Journal of Applied Physics, 2024, 63, 016002.	1.5	1
4227	Enhancing measurements of the CMB blackbody temperature power spectrum by removing cosmic infrared background and thermal Sunyaev-Zel'dovich contamination using external galaxy catalogs. Physical Review D, 2023, 108, .	4.7	3
4228	A Search for IceCube Sub-TeV Neutrinos Correlated with Gravitational-wave Events Detected By LIGO/Virgo. Astrophysical Journal, 2023, 959, 96.	4.5	1
4229	Hemispherical power asymmetry in intensity and polarization for Planck PR4 data. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 029.	5.4	1
4230	All We Are Is Dust in the WIM: Constraints on Dust Properties in the Milky Way's Warm Ionized Medium. Astrophysical Journal, 2023, 959, 115.	4.5	0
4231	Extension of the Bayesian searches for anisotropic stochastic gravitational-wave background with nontensorial polarizations. Physical Review D, 2023, 108, .	4.7	0
4232	An optimized search for dark matter in the galactic halo with HAWC. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 038.	5.4	0
4233	ICAROGW: A python package for inference of astrophysical population properties of noisy, heterogeneous, and incomplete observations. Astronomy and Astrophysics, 2024, 682, A167.	5.1	2
4234	SpyroPose: SE(3) Pyramids for Object Pose Distribution Estimation., 2023,,.		0

#	Article	IF	CITATIONS
4235	The CMB Cold Spot as predicted by foregrounds around nearby galaxies. Astronomy and Astrophysics, 2024, 681, A2.	5.1	0
4236	Challenges of Isotropy in Standardized 3-Axes EMF Measurements. , 2023, , .		0
4237	Nonparametric maximum likelihood component separation for CMB polarization data. Physical Review D, 2023, 108, .	4.7	0
4238	Magnetic elastomers as specific soft actuators – predicting particular modes of deformation from selected configurations of magnetizable inclusions. Journal of Magnetism and Magnetic Materials, 2024, 591, 171695.	2.3	0
4239	Constraints on anisotropic primordial non-Gaussianity from intrinsic alignments of SDSS-III BOSS galaxies. Physical Review D, 2023, 108, .	4.7	5
4240	Cosmology from cross-correlation of ACT-DR4 CMB lensing and DES-Y3 cosmic shear. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2112-2135.	4.4	0
4241	Gravitational-wave Electromagnetic Counterpart Korean Observatory (GECKO): GECKO Follow-up Observation of GW190425. Astrophysical Journal, 2024, 960, 113.	4.5	0
4242	Co-estimation of core and lithospheric magnetic fields by a maximum entropy method. Geophysical Journal International, 2024, 236, 1646-1667.	2.4	0
4243	Diffuse interstellar bands in <i>Gaia</i> DR3 RVS spectra. Astronomy and Astrophysics, 2024, 683, A199.	5.1	0
4244	Optimal data compression for Lyman-α forest cosmology. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2667-2678.	4.4	0
4245	General relativistic moving-mesh hydrodynamic simulations with <scp>arepo</scp> and applications to neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2024, 528, 1906-1929.	4.4	0
4246	A dark siren measurement of the Hubble constant using gravitational wave events from the first three LIGO/Virgo observing runs and DELVE. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3249-3259.	4.4	1
4247	Probing the Dipole of the Diffuse Gamma-Ray Background. Astrophysical Journal Letters, 2024, 961, L1.	8.3	0
4248	Uniting <i>Gaia</i> and APOGEE to unveil the cosmic chemistry of the Milky Way disc. Astronomy and Astrophysics, 2024, 683, A128.	5.1	0
4249	Filamentary Dust Polarization and the Morphology of Neutral Hydrogen Structures. Astrophysical Journal, 2024, 961, 29.	4.5	0
4250	Constraining models for the origin of ultra-high-energy cosmic rays with a novel combined analysis of arrival directions, spectrum, and composition data measured at the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 022.	5.4	0
4251	Cross Correlation between the Thermal Sunyaev–Zeldovich Effect and the Integrated Sachs–Wolfe Effect. Astrophysical Journal, Supplement Series, 2024, 270, 16.	7.7	0
4252	Cosmological constraints from the tomography of DES-Y3 galaxies with CMB lensing from ACT DR4. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 033.	5.4	0

#	Article	IF	CITATIONS
4253	Simulating the Detection of the Global 21 cm Signal with MIST for Different Models of the Soil and Beam Directivity. Astrophysical Journal, 2024, 961, 56.	4.5	0
4254	Statistical properties of galactic synchrotron temperature and polarization maps — a multi-frequency comparison. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 036.	5.4	0
4255	Simulating image coaddition with the <i>Nancy Grace Roman Space Telescope â€"</i> I. Simulation methodology and general results. Monthly Notices of the Royal Astronomical Society, 2024, 528, 2533-2561.	4.4	0
4256	Minkowski Functionals in ??(3) for the spin-2 CMB polarisation field. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 039.	5 . 4	0
4257	$12~{ m \AA}-2$ pt combined probes: pipeline, neutrino mass, and data compression. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 042.	5.4	0
4258	TREVR2: illuminating fast $\langle i \rangle N \langle i \rangle \log 2 \langle i \rangle N \langle i \rangle$ radiative transfer. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3767-3781.	4.4	0
4259	Small-scale Cosmic-Ray Anisotropy Observed by the GRAPES-3 Experiment at TeV Energies. Astrophysical Journal, 2024, 961, 87.	4.5	0
4260	Optimal 1D Ly α forest power spectrum estimation – III. DESI early data. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3941-3963.	4.4	0
4261	Simulating image coaddition with the Nancy Grace Roman Space Telescope – II. Analysis of the simulated images and implications for weak lensing. Monthly Notices of the Royal Astronomical Society, 2024, 528, 6680-6705.	4.4	0
4262	A Search for Faint Resolved Galaxies Beyond the Milky Way in DES Year 6: A New Faint, Diffuse Dwarf Satellite of NGC 55. Astrophysical Journal, 2024, 961, 126.	4.5	0
4263	Deciphering Lyman-α emission deep into the epoch of reionization. Nature Astronomy, 2024, 8, 384-396.	10.1	0
4264	Synthetic observations: bridging the gap between theory and observations. , 2024, , 337-363.		0
4265	Measuring the Hubble Constant of Binary Neutron Star and Neutron Star–Black Hole Coalescences: Bright Sirens and Dark Sirens. Astrophysical Journal, Supplement Series, 2024, 270, 24.	7.7	0
4266	Statistical Association between the Candidate Repeating FRB 20200320A and a Galaxy Group. Astrophysical Journal, 2024, 961, 177.	4.5	1
4267	A study of dipolar signal in distant Quasars with various observables. European Physical Journal C, 2024, 84, .	3.9	0
4268	Component-separated, CIB-cleaned thermal Sunyaev-Zel'dovich maps from <i>Planck</i> PR4 data with a flexible public needlet ILC pipeline. Physical Review D, 2024, 109, .	4.7	4
4269	Variations of Interstellar Gas-to-dust Ratios at High Galactic Latitudes. Astrophysical Journal, 2024, 961, 204.	4.5	0
4270	Probing the statistical isotropy of the universe with <i>Planck</i> data of the cosmic microwave background. Astronomy and Astrophysics, 2024, 683, A176.	5.1	0

#	Article	IF	CITATIONS
4271	The eROSITA upper limits. Astronomy and Astrophysics, 2024, 682, A35.	5.1	0
4272	Rotation-Invariant Convolution Networks with Hexagon-Based Kernels. IEICE Transactions on Information and Systems, 2024, E107.D, 220-228.	0.7	O
4273	The SRG/eROSITA all-sky survey. Astronomy and Astrophysics, 2024, 682, A34.	5.1	3
4274	Dust-to-neutral gas ratio of the intermediate- and high-velocity H <scp>i</scp> clouds derived based on the sub-mm dust emission for the whole sky. Monthly Notices of the Royal Astronomical Society, 2024, 529, 1-31.	4.4	0
4275	NAJADS: a self-contained framework for the direct determination of astrophysical J-factors. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 001.	5.4	0
4276	Accurate Fourier-space statistics for line intensity mapping: Cartesian grid sampling without aliased power. Monthly Notices of the Royal Astronomical Society, 2024, 528, 5586-5600.	4.4	0
4277	PycWB: A user-friendly, Modular, and python-based framework for gravitational wave unmodelled search. SoftwareX, 2024, 26, 101639.	2.6	0
4278	Galactic diffuse neutrino emission from sources beyond the discovery horizon. Physical Review D, 2024, 109, .	4.7	1
4279	Determination of the anisotropy of elementary particles with the Alpha Magnetic Spectrometer on the International Space Station. Advances in Space Research, 2024, , .	2.6	0
4280	The Hubble Deep Hydrogen Alpha (HDHα) Project. I. Catalog of Emission-line Galaxies. Astrophysical Journal, Supplement Series, 2024, 271, 5.	7.7	0
4281	Unifying supervised learning and VAEs: coverage, systematics and goodness-of-fit in normalizing-flow based neural network models for astro-particle reconstructions. European Physical Journal C, 2024, 84, .	3.9	0
4282	Development of Unmanned Remote System to Find Radiation Sources Based on 4Ï€ Gamma Imaging. Journal of Robotics and Mechatronics, 2024, 36, 79-87.	1.0	0
4283	The Atacama Cosmology Telescope: A Measurement of the DR6 CMB Lensing Power Spectrum and Its Implications for Structure Growth. Astrophysical Journal, 2024, 962, 112.	4.5	0
4284	The Atacama Cosmology Telescope: DR6 Gravitational Lensing Map and Cosmological Parameters. Astrophysical Journal, 2024, 962, 113.	4.5	0
4285	A Detection of Cosmological 21 cm Emission from CHIME in Cross-correlation with eBOSS Measurements of the Lyl± Forest. Astrophysical Journal, 2024, 963, 23.	4.5	0
4286	The NANOGrav 12.5 yr Data Set: Search for Gravitational Wave Memory. Astrophysical Journal, 2024, 963, 61.	4.5	0
4287	MAXI: Monitor of All-Sky X-ray Image. , 2024, , 1295-1320.		0
4288	The High-Altitude Water Cherenkov Detector Array: HAWC. , 2024, , 2607-2632.		0

#	ARTICLE	IF	CITATIONS
4289	Radiation transport methods in star formation simulations. Frontiers in Astronomy and Space Sciences, 0, 11 , .	2.8	0
4290	Detection of Pairwise Kinetic Sunyaev–Zel'dovich Effect with DESI Galaxy Groups and Planck in Fourier Space. Astrophysical Journal, Supplement Series, 2024, 271, 30.	7.7	0
4291	Testing the nature of gravitational wave propagation using dark sirens and galaxy catalogues. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 035.	5.4	0
4292	CLASS Angular Power Spectra and Map-component Analysis for 40 GHz Observations through 2022. Astrophysical Journal, 2024, 963, 92.	4.5	0
4293	Explaining the GWSkyNet-Multi Machine Learning Classifier Predictions for Gravitational-wave Events. Astrophysical Journal, 2024, 963, 98.	4.5	0
4294	21-cm foreground removal using AI and the frequency-difference technique. Physical Review D, 2024, 109, .	4.7	0
4295	Flavor identification of atmospheric neutrinos in JUNO with machine learning. Journal of Instrumentation, 2024, 19, C03008.	1.2	0
4296	On approximation for time-fractional stochastic diffusion equations on the unit sphere. Journal of Computational and Applied Mathematics, 2024, 446, 115863.	2.0	0
4297	TT-HEALpix: A New Data Indexing Strategy for Efficient Cross-match of Large-scale Astronomical Catalogs. Publications of the Astronomical Society of the Pacific, 2024, 136, 034501.	3.1	0
4298	SOFIA/HAWC+ Far-Infrared Polarimetric Large Area CMZ Exploration Survey. I. General Results from the Pilot Program. Astrophysical Journal, 2024, 963, 130.	4.5	0
4299	Constraining primordial non-Gaussianity from DESI quasar targets and Planck CMB lensing. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 021.	5.4	0
4300	Constraining primordial non-Gaussianity using neural networks. Monthly Notices of the Royal Astronomical Society, 2024, 529, 3289-3300.	4.4	0
4301	Addressing the generalization of 3D registration methods with a featureless baseline and an unbiased benchmark. Machine Vision and Applications, 2024, 35, .	2.7	0
4302	Polarimetric Fourier Phase Retrieval. SIAM Journal on Imaging Sciences, 2024, 17, 632-671.	2.2	0
4303	Simultaneously unveiling the EBL and intrinsic spectral parameters of gamma-ray sources with Hamiltonian Monte Carlo. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 020.	5.4	0
4304	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mi>T</mml:mi> -, <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>E</mml:mi></mml:math> -, and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math>	4.7	0
4305	mode bispectra. Physical Review D, 2024, 109. Quaia, the Gaia-unWISE Quasar Catalog: An All-sky Spectroscopic Quasar Sample. Astrophysical Journal, 2024, 964, 69.	4.5	0
4306	First attempt of directionality reconstruction for atmospheric neutrinos in a large homogeneous liquid scintillator detector. Physical Review D, 2024, 109, .	4.7	0

#	Article	IF	CITATIONS
4307	Dark Energy Survey Year 3 results: Simulation-based cosmological inference with wavelet harmonics, scattering transforms, and moments of weak lensing mass maps. Validation on simulations. Physical Review D, 2024, 109, .	4.7	0
4308	Optimizing NILC Extractions of the Thermal Sunyaev–Zel'Dovich Effect with Deep Learning. Astrophysical Journal, 2024, 964, 122.	4.5	0
4309	Search for 10–1000 GeV Neutrinos from Gamma-Ray Bursts with IceCube. Astrophysical Journal, 2024, 964, 126.	4.5	0
4310	Cloud Identification and Reconstruction from All-sky Camera Images Based on Star Photometry Estimation. Publications of the Astronomical Society of the Pacific, 2024, 136, 035002.	3.1	O
4311	Spherical convolutional neural networks can improve brain microstructure estimation from diffusion MRI data., 0, 3, .		0
4312	SAGUARO: Time-domain Infrastructure for the Fourth Gravitational-wave Observing Run and Beyond. Astrophysical Journal, 2024, 964, 35.	4.5	O