Max Erik Tegmark

List of Publications by Year
in descending order

201	40,295	3721 89	2375 198
papers	citations	h-index	g-index

204	204	204	14441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	3.0	4,201
2	Detection of the Baryon Acoustic Peak in the Largeâ€Scale Correlation Function of SDSS Luminous Red Galaxies. Astrophysical Journal, 2005, 633, 560-574.	1.6	3,564
3	The Threeâ€Dimensional Power Spectrum of Galaxies from the Sloan Digital Sky Survey. Astrophysical Journal, 2004, 606, 702-740.	1.6	1,426
4	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.	1.6	1,400
5	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	3.0	1,202
6	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	1.6	1,132
7	New York University Value-Added Galaxy Catalog: A Galaxy Catalog Based on New Public Surveys. Astronomical Journal, 2005, 129, 2562-2578.	1.9	989
8	The Second Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2004, 128, 502-512.	1.9	953
9	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	3.0	948
10	The Galaxy Luminosity Function and Luminosity Density at Redshiftz= 0.1. Astrophysical Journal, 2003, 592, 819-838.	1.6	898
11	Karhunenâ€Loeve Eigenvalue Problems in Cosmology: How Should We Tackle Large Data Sets?. Astrophysical Journal, 1997, 480, 22-35.	1.6	802
12	The First Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2003, 126, 2081-2086.	1.9	800
13	How Small Were the First Cosmological Objects?. Astrophysical Journal, 1997, 474, 1-12.	1.6	660
14	The Luminosity and Color Dependence of the Galaxy Correlation Function. Astrophysical Journal, 2005, 630, 1-27.	1.6	653
15	The Third Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2005, 129, 1755-1759.	1.9	634
16	GALAXY CLUSTERING IN THE COMPLETED SDSS REDSHIFT SURVEY: THE DEPENDENCE ON COLOR AND LUMINOSITY. Astrophysical Journal, 2011, 736, 59.	1.6	620
17	The Fifth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2007, 172, 634-644.	3.0	615
18	Nanophotonic particle simulation and inverse design using artificial neural networks. Science Advances, 2018, 4, eaar4206.	4.7	574

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19	Galaxy Clustering in Early Sloan Digital Sky Survey Redshift Data. Astrophysical Journal, 2002, 571, 172-190.	1.6	520
20	Hydrogen Epoch of Reionization Array (HERA). Publications of the Astronomical Society of the Pacific, 2017, 129, 045001.	1.0	448
21	Importance of quantum decoherence in brain processes. Physical Review E, 2000, 61, 4194-4206.	0.8	433
22	A model of diffuse Galactic radio emission from 10 MHz to 100 GHz. Monthly Notices of the Royal Astronomical Society, 2008, 388, 247-260.	1.6	404
23	Weighing Neutrinos with Galaxy Surveys. Physical Review Letters, 1998, 80, 5255-5258.	2.9	350
24	AI Feynman: A physics-inspired method for symbolic regression. Science Advances, 2020, 6, eaay2631.	4.7	345
25	Measuring Cosmological Parameters with Galaxy Surveys. Physical Review Letters, 1997, 79, 3806-3809.	2.9	328
26	Why Does Deep and Cheap Learning Work So Well?. Journal of Statistical Physics, 2017, 168, 1223-1247.	0.5	321
27	Research Priorities for Robust and Beneficial Artificial Intelligence. AI Magazine, 2015, 36, 105-114.	1.4	319
28	Constraining<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td (stretchy="false">)</mml:mo></mml:math> .	1.6	314
29	A Map of the Universe. Astrophysical Journal, 2005, 624, 463-484.	1.6	309
30	How to measure CMB power spectra without losing information. Physical Review D, 1997, 55, 5895-5907.	1.6	306
31	The clustering of luminous red galaxies in the Sloan Digital Sky Survey imaging data. Monthly Notices of the Royal Astronomical Society, 2007, 378, 852-872.	1.6	295
32	Cosmic Complementarity: Joint Parameter Estimation from Cosmic Microwave Background Experiments and Redshift Surveys. Astrophysical Journal, 1999, 518, 2-23.	1.6	288
33	A method for subtracting foregrounds from multifrequency CMB sky maps. Monthly Notices of the Royal Astronomical Society, 1996, 281, 1297-1314.	1.6	278
34	Dimensionless constants, cosmology, and other dark matters. Physical Review D, 2006, 73, .	1.6	276
35	Foregrounds and Forecasts for the Cosmic Microwave Background. Astrophysical Journal, 2000, 530, 133-165.	1.6	255
36	WHAT NEXT-GENERATION 21 cm POWER SPECTRUM MEASUREMENTS CAN TEACH US ABOUT THE EPOCH OF REIONIZATION. Astrophysical Journal, 2014, 782, 66.	1.6	254

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37	On Departures from a Power Law in the Galaxy Correlation Function. Astrophysical Journal, 2004, 608, 16-24.	1.6	253
38	The Mathematical Universe. Foundations of Physics, 2008, 38, 101-150.	0.6	233
39	New Dark Energy Constraints from Supernovae, Microwave Background, and Galaxy Clustering. Physical Review Letters, 2004, 92, 241302.	2.9	230
40	The Shape of the Sloan Digital Sky Survey Data Release 5 Galaxy Power Spectrum. Astrophysical Journal, 2007, 657, 645-663.	1.6	224
41	A Measurement of the CMB âŒ©EEâŒª Spectrum from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 813-822.	1.6	217
42	Cosmological Parameters from Eigenmode Analysis of Sloan Digital Sky Survey Galaxy Redshifts. Astrophysical Journal, 2004, 607, 655-660.	1.6	211
43	Analysis of Systematic Effects and Statistical Uncertainties in Angular Clustering of Galaxies from Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 579, 48-75.	1.6	209
44	Cosmic Microwave Background Observables and Their Cosmological Implications. Astrophysical Journal, 2001, 549, 669-680.	1.6	207
45	How accurately can 21Âcm tomography constrain cosmology?. Physical Review D, 2008, 78, .	1.6	202
46	The Time Evolution of Bias. Astrophysical Journal, 1998, 500, L79-L82.	1.6	195
47	Cosmic Complementarity: [ITAL]H[/ITAL] [TINF]0[/TINF] and Î©[TINF] [CLC] [ITAL]m[/ITAL] [/CLC] [/TINF] from Combining Cosmic Microwave Background Experiments and Redshift Surveys. Astrophysical Journal, 1998, 504, L57-L60.	1.6	194
48	Axion cosmology and the energy scale of inflation. Physical Review D, 2008, 78, .	1.6	189
49	A Measurement of the Angular Power Spectrum of the CMB Temperature Anisotropy from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 823-832.	1.6	186
50	The Intermediateâ€Scale Clustering of Luminous Red Galaxies. Astrophysical Journal, 2005, 621, 22-31.	1.6	179
51	Measuring the Galaxy Power Spectrum with Future Redshift Surveys. Astrophysical Journal, 1998, 499, 555-576.	1.6	175
52	How to Make Maps from Cosmic Microwave Background Data without Losing Information. Astrophysical Journal, 1997, 480, L87-L90.	1.6	173
53	Cosmological Parameters from the 2003 Flight of BOOMERANG. Astrophysical Journal, 2006, 647, 799-812.	1.6	159
54	What does inflation really predict?. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 001-001.	1.9	158

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55	Is â€œthe Theory of Everythingâ€•Merely the Ultimate Ensemble Theory?. Annals of Physics, 1998, 270, 1-51.	1.0	157
56	Uncorrelated measurements of the cosmic expansion history and dark energy from supernovae. Physical Review D, 2005, 71, .	1.6	157
57	Methods for rapidly processing angular masks of next-generation galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2008, 387, 1391-1402.	1.6	156
58	Overcoming real-world obstacles in 21 cm power spectrum estimation: A method demonstration and results from early Murchison Widefield Array data. Physical Review D, 2014, 89, .	1.6	151
59	Using the kinematic Sunyaev-Zeldovich effect to determine the peculiar velocities of clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 1996, 279, 545-556.	1.6	148
60	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. Astrophysical Journal, 2016, 833, 102.	1.6	147
61	Weak Lensing: Prospects for Measuring Cosmological Parameters. Astrophysical Journal, 1999, 514, L65-L68.	1.6	141
62	The power spectrum of galaxies in the 2dF 100k redshift survey. Monthly Notices of the Royal Astronomical Society, 2002, 335, 887-908.	1.6	139
63	21 cm Tomography with Foregrounds. Astrophysical Journal, 2006, 650, 529-537.	1.6	138
64	A method for 21Âcm power spectrum estimation in the presence of foregrounds. Physical Review D, 2011, 83, .	1.6	137
65	Why Is the Cosmic Microwave Background Fluctuation Level 10â^'5?. Astrophysical Journal, 1998, 499, 526-532.	1.6	137
66	An Icosahedron-based Method for Pixelizing the Celestial Sphere. Astrophysical Journal, 1996, 470, L81-L84.	1.6	132
67	Constraints from the LyÎ± Forest Power Spectrum. Astrophysical Journal, 2001, 557, 519-526.	1.6	130
68	100 Years of Quantum Mysteries. Scientific American, 2001, 284, 68-75.	1.0	130
69	An improved model of diffuse galactic radio emission from 10ÂMHz to 5ÂTHz. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3486-3497.	1.6	130
70	Parallel Universes. Scientific American, 2003, 288, 40-51.	1.0	124
71	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.	1.6	123
72	FOREGROUNDS IN WIDE-FIELD REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal, 2015, 804, 14.	1.6	122

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73	The Threeâ€dimensional Power Spectrum from Angular Clustering of Galaxies in Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 572, 140-156.	1.6	118
74	CMB mapping experiments: A designer's guide. Physical Review D, 1997, 56, 4514-4529.	1.6	113
75	An improved method for 21-cm foreground removal. Monthly Notices of the Royal Astronomical Society, 2009, 398, 401-406.	1.6	110
76	Angular Clustering with Photometric Redshifts in the Sloan Digital Sky Survey: Bimodality in the Clustering Properties of Galaxies. Astrophysical Journal, 2003, 595, 59-70.	1.6	108
77	The Low-Frequency Environment of the Murchison Widefield Array: Radio-Frequency Interference Analysis and Mitigation. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	107
78	Combined reconstruction of weak and strong lensing data with WSLAP. Monthly Notices of the Royal Astronomical Society, 2007, 375, 958-970.	1.6	104
79	Fast Fourier transform telescope. Physical Review D, 2009, 79, .	1.6	99
80	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, .	1.6	99
81	On the dimensionality of spacetime. Classical and Quantum Gravity, 1997, 14, L69-L75.	1.5	98
82	New Microwave Background Constraints on the Cosmic Matter Budget: Trouble for Nucleosynthesis?. Physical Review Letters, 2000, 85, 2240-2243.	2.9	98
83	Testing two-field inflation. Physical Review D, 2011, 83, .	1.6	98
84	CHIPS: THE COSMOLOGICAL H i POWER SPECTRUM ESTIMATOR. Astrophysical Journal, 2016, 818, 139.	1.6	98
85	Non-parametric inversion of strong lensing systems. Monthly Notices of the Royal Astronomical Society, 2005, 360, 477-491.	1.6	94
86	A scheme to deal accurately and efficiently with complex angular masks in galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2004, 349, 115-128.	1.6	93
87	SDSS galaxy clustering: luminosity and colour dependence and stochasticity. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1635-1655.	1.6	91
88	Apparent wave function collapse caused by scattering. Foundations of Physics Letters, 1993, 6, 571-590.	0.6	90
89	Cross-Correlation of Tenerife Data with Galactic Templatesâ€”Evidence for Spinning Dust?. Astrophysical Journal, 1999, 527, L9-L12.	1.6	90
90	Current Cosmological Constraints from a 10 Parameter Cosmic Microwave Background Analysis. Astrophysical Journal, 2000, 544, 30-42.	1.6	90

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91	How well can we measure and understand foregrounds with 21-cm experiments?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3491-3504.	1.6	89
92	Consciousness as a state of matter. Chaos, Solitons and Fractals, 2015, 76, 238-270.	2.5	87
93	Cosmology and the Halo Occupation Distribution from Smallâ€Scale Galaxy Clustering in the Sloan Digital Sky Survey. Astrophysical Journal, 2005, 625, 613-620.	1.6	86
94	Precision calibration of radio interferometers using redundant baselines. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1029-1050.	1.6	86
95	Constraining torsion with Gravity Probe B. Physical Review D, 2007, 76, .	1.6	85
96	The Quest for Microwave Foreground X. Astrophysical Journal, 2004, 606, L89-L92.	1.6	83
97	Improved Measures of Integrated Information. PLoS Computational Biology, 2016, 12, e1005123.	1.5	83
98	First limits on the 21Âcm power spectrum during the Epoch of X-ray heating. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4320-4347.	1.6	79
99	The Angular Correlation Function of Galaxies from Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 579, 42-47.	1.6	77
100	Will point sources spoil 21-cm tomography?. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1575-1587.	1.6	75
101	The Angular Power Spectrum of Galaxies from Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2002, 571, 191-205.	1.6	74
102	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. Astronomical Journal, 2004, 128, 2577-2592.	1.9	73
103	CONFIRMATION OF WIDE-FIELD SIGNATURES IN REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal Letters, 2015, 807, L28.	3.0	73
104	MITEoR: a scalable interferometer for precision 21Âcm cosmology. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1084-1103.	1.6	72
105	Largeâ€Scale Sunyaevâ€Zeldovich Effect: Measuring Statistical Properties with Multifrequency Maps. Astrophysical Journal, 2000, 540, 1-13.	1.6	71
106	Time Evolution of Galaxy Formation and Bias in Cosmological Simulations. Astrophysical Journal, 2000, 531, 1-16.	1.6	69
107	Why Is the Fraction of Fourâ€Image Radio Lens Systems So High?. Astrophysical Journal, 2001, 553, 709-721.	1.6	68
108	Parametrizing Epoch of Reionization foregrounds: a deep survey of low-frequency point-source spectra with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1057-1070.	1.6	68

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109	The real-space power spectrum of the PSCzsurvey from 0.01 to 300â€ƒhâ€ƒMpcâ^'1. Monthly Notices of the Royal Astronomical Society, 2002, 330, 506-530.	1.6	67
110	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. Astrophysical Journal, 2016, 825, 114.	1.6	67
111	Cosmological Constraints from Current Cosmic Microwave Background and Type Ia Supernova Data: A Brute Force, Eight-Parameter Analysis. Astrophysical Journal, 1999, 514, L69-L72.	1.6	67
112	Decorrelating the power spectrum of galaxies. Monthly Notices of the Royal Astronomical Society, 2000, 312, 285-294.	1.6	66
113	Observational Evidence for Stochastic Biasing. Astrophysical Journal, 1999, 518, L69-L72.	1.6	66
114	Karhunenâ€Łoeve Estimation of the Power Spectrum Parameters from the Angular Distribution of Galaxies in Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2003, 591, 1-11.	1.6	65
115	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.	1.6	65
116	Galactic Emission at 19 GH[CLC]z[/CLC]. Astrophysical Journal, 1998, 509, L9-L12.	1.6	64
117	A New Spin on Galactic Dust. Astrophysical Journal, 2002, 567, 363-369.	1.6	64
118	Non-parametric mass reconstruction of A1689 from strong lensing data with the Strong Lensing Analysis Package. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1247-1258.	1.6	63
119	Linear redshift distortions and power in the IRAS Point Source Catalog Redshift Survey. Monthly Notices of the Royal Astronomical Society, 2000, 317, L23-L27.	1.6	62
120	Mapping the Cosmic Microwave Background Anisotropy:Combined Analysis of QMAP Flights. Astrophysical Journal, 1998, 509, L77-L80.	1.6	60
121	Toward an artificial intelligence physicist for unsupervised learning. Physical Review E, 2019, 100, 033311.	0.8	59
122	A fast method for power spectrum and foreground analysis for 21Âcm cosmology. Physical Review D, 2013, 87, .	1.6	58
123	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. Astrophysical Journal, 2016, 830, 38.	1.6	58
124	Does the universe in fact contain almost no information?. Foundations of Physics Letters, 1996, 9, 25-41.	0.6	57
125	Omniscopes: Large area telescope arrays with only<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mi>log</mml:mi><mml:mo>ï»¿</mml:mo><mml:mi>N</mml:mi></mml:math>computat cost. Physical Review D, 2010, 82, .	1.6	57
126	Non-Gaussianity in two-field inflation. Physical Review D, 2011, 84, .	1.6	57

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127	Machine Learning Conservation Laws from Trajectories. Physical Review Letters, 2021, 126, 180604.	2.9	56
128	Global 21Âcm signal experiments: A designerâ€™s guide. Physical Review D, 2013, 87, .	1.6	54
129	Is the Cosmic Microwave Background Really Non-Gaussian?. Astrophysical Journal, 1999, 524, L79-L82.	1.6	54
130	The Angular Power Spectrum of the Four-Year [ITAL]COBE[/ITAL] Data. Astrophysical Journal, 1996, 464, L35-L38.	1.6	53
131	Critical Behavior in Physics and Probabilistic Formal Languages. Entropy, 2017, 19, 299.	1.1	51
132	Removing Realâ€World Foregrounds from Cosmic Microwave Background Maps. Astrophysical Journal, 1998, 502, 1-6.	1.6	48
133	THE HYDROGEN EPOCH OF REIONIZATION ARRAY DISH. I. BEAM PATTERN MEASUREMENTS AND SCIENCE IMPLICATIONS. Astrophysical Journal, 2016, 826, 199.	1.6	48
134	Gated Orthogonal Recurrent Units: On Learning to Forget. Neural Computation, 2019, 31, 765-783.	1.3	48
135	Twoâ€dimensional Topology of the Sloan Digital Sky Survey. Astrophysical Journal, 2002, 580, 663-671.	1.6	47
136	Gaussianity of Degreeâ€Scale Cosmic Microwave Background Anisotropy Observations. Astrophysical Journal, 2001, 556, 582-589.	1.6	45
137	A Limit on the Large Angular Scale Polarization of the Cosmic Microwave Background. Astrophysical Journal, 2001, 560, L1-L4.	1.6	45
138	Decoherence produces coherent states: An explicit proof for harmonic chains. Physical Review E, 1994, 50, 2538-2547.	0.8	43
139	Testing multifield inflation: A geometric approach. Physical Review D, 2013, 87, .	1.6	41
140	Comparing Redundant and Sky-model-based Interferometric Calibration: A First Look with Phase II of the MWA. Astrophysical Journal, 2018, 863, 170.	1.6	41
141	Assessing whether artificial intelligence is an enabler or an inhibitor of sustainability at indicator level. Transportation Engineering, 2021, 4, 100064.	2.3	41
142	Mapping the Cosmic Microwave Background Anisotropy:The First Flight of the QMAP Experiment. Astrophysical Journal, 1998, 509, L69-L72.	1.6	38
143	An Elementary Proof That the Biharmonic Green Function of an Eccentric Ellipse Changes Sign. SIAM Review, 1994, 36, 99-101.	4.2	36
144	Mapmaking for precision 21Âcm cosmology. Physical Review D, 2015, 91, .	1.6	36

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145	THE HYDROGEN EPOCH OF REIONIZATION ARRAY DISH. II. CHARACTERIZATION OF SPECTRAL STRUCTURE WITH ELECTROMAGNETIC SIMULATIONS AND ITS SCIENCE IMPLICATIONS. Astrophysical Journal, 2016, 831, 196.	1.6	36
146	A High-Resolution Map of the Cosmic Microwave Background around the North Celestial Pole. Astrophysical Journal, 1997, 474, L77-L80.	1.6	36
147	16p11.2 deletion is associated with hyperactivation of human iPSC-derived dopaminergic neuron networks and is rescued by RHOA inhibition in vitro. Nature Communications, 2021, 12, 2897.	5.8	35
148	A method for extracting maximum resolution power spectra from microwave sky maps. Monthly Notices of the Royal Astronomical Society, 1996, 280, 299-308.	1.6	34
149	Many lives in many worlds. Nature, 2007, 448, 23-24.	13.7	34
150	Anthropic predictions for neutrino masses. Physical Review D, 2005, 71, .	1.6	33
151	Redundant-baseline calibration of the hydrogen epoch of reionization array. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5840-5861.	1.6	33
152	Morphological Measures of Nonâ€Gaussianity in Cosmic Microwave Background Maps. Astrophysical Journal, Supplement Series, 2002, 141, 1-11.	3.0	30
153	Searching for inflation in simple string theory models: An astrophysical perspective. Physical Review D, 2007, 76, .	1.6	29
154	Studies of cosmic microwave background structure at Dec. = + 40Â - II. Analysis and cosmological interpretation. Monthly Notices of the Royal Astronomical Society, 1997, 289, 505-514.	1.6	28
155	Measuring Spacetime: From the Big Bang to Black Holes. Science, 2002, 296, 1427-1433.	6.0	28
156	Machine Learning Hidden Symmetries. Physical Review Letters, 2022, 128, 180201.	2.9	28
157	A high reliability survey of discrete Epoch of Reionization foreground sources in the MWA EoR0 field. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4151-4175.	1.6	27
158	Is a doomsday catastrophe likely?. Nature, 2005, 438, 754-754.	13.7	24
159	Spectral Energy Distribution and Radio Halo of NGC 253 at Low Radio Frequencies. Astrophysical Journal, 2017, 838, 68.	1.6	23
160	Mapping the Cosmic Microwave Background Anisotropy:The Second Flight of the QMAP Experiment. Astrophysical Journal, 1998, 509, L73-L76.	1.6	23
161	On Math, Matter and Mind. Foundations of Physics, 2006, 36, 765-794.	0.6	22
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164	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.	1.6	20
165	The HERA-19 Commissioning Array: Direction-dependent Effects. Astrophysical Journal, 2019, 882, 58.	1.6	20
166	Galactic Contamination in the QMAP Experiment. Astrophysical Journal, 2000, 542, L5-L8.	1.6	20
167	Anthropic predictions for vacuum energy and neutrino masses. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 005-005.	1.9	19
168	The multiverse hierarchy. , 2007, , 99-126.		19
169	Automated in vivo patch-clamp evaluation of extracellular multielectrode array spike recording capability. Journal of Neurophysiology, 2018, 120, 2182-2200.	0.9	19
170	The hydrogen epoch of reionization array dish III: measuring chromaticity of prototype element with reflectometry. Experimental Astronomy, 2018, 45, 177-199.	1.6	19
171	Foreground modelling via Gaussian process regression: an application to HERA data. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2813-2826.	1.6	19
172	Searching for Non-Gaussian Signals in the BOOMERANG 2003 CMB Maps. Astrophysical Journal, 2007, 670, L73-L76.	1.6	18
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174	Comparing and Combining Cosmic Microwave Background Data Sets. Astrophysical Journal, 1999, 519, 513-517.	1.6	18
175	Assessment of Ionospheric Activity Tolerances for Epoch of Reionization Science with the Murchison Widefield Array. Astrophysical Journal, 2018, 867, 15.	1.6	17
176	The Power Spectrum of the CfA/SSRS UZC Galaxy Redshift Survey. Astrophysical Journal, 2001, 550, 52-64.	1.6	17
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178	DELAY SPECTRUM WITH PHASE-TRACKING ARRAYS: EXTRACTING THE H i POWER SPECTRUM FROM THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 833, 213.	1.6	15
179	Measuring quantum states: Experimental setup for measuring the spatial density matrix. Physical Review A, 1996, 54, 2703-2706.	1.0	14
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182	Pareto-Optimal Data Compression for Binary Classification Tasks. Entropy, 2020, 22, 7.	1.1	10
183	SUBDEGREE SUNYAEV-ZEL'DOVICH SIGNAL FROM MULTIFREQUENCY BOOMERANG OBSERVATIONS. Astrophysical Journal, 2009, 702, L61-L65.	1.6	10
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186	A Spinâ€modulated Telescope to Make Twoâ€dimensional Cosmic Microwave Background Maps. Astrophysical Journal, 2000, 539, 52-56.	1.6	8
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188	Is lensing of point sources a problem for future CMB experiments?. Monthly Notices of the Royal Astronomical Society, 1997, 289, 169-174.	1.6	6
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