

Alex Lazarian

List of Publications by Year in descending order

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333
papers

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6592

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all docs

335
docs citations

335
times ranked

6618
citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity gradients: magnetic field tomography towards the supernova remnant W44. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4952-4961.	1.6	11
2	Multiscale magnetic fields in the central molecular zone: inference from the gradient technique. Monthly Notices of the Royal Astronomical Society, 2022, 511, 829-842.	1.6	14
3	Shock Acceleration with Oblique and Turbulent Magnetic Fields. Astrophysical Journal, 2022, 925, 48.	1.6	12
4	Superdiffusion of cosmic rays in compressible magnetized turbulence. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2111-2124.	1.6	22
5	Cosmic Ray Streaming in the Turbulent Interstellar Medium. Astrophysical Journal, 2022, 927, 94.	1.6	12
6	Decomposing magnetic fields in three dimensions over the central molecular zone. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3493-3509.	1.6	7
7	Grain Alignment in the Circumstellar Shell of IRC+10 \hat{A} ^o 216. Astrophysical Journal, 2022, 931, 80.	1.6	7
8	Statistical tracing of turbulent magnetic fields in the optically thick interstellar medium. Monthly Notices of the Royal Astronomical Society, 2021, 503, 768-776.	1.6	4
9	Diffusion of large-scale magnetic fields by reconnection in MHD turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1290-1309.	1.6	6
10	Alignment and Rotational Disruption of Dust. Astrophysical Journal, 2021, 908, 12.	1.6	24
11	Revealing Gravitational Collapse in the Serpens G3 \hat{A} ^o G6 Molecular Cloud Using Velocity Gradients. Astrophysical Journal, 2021, 912, 2.	1.6	23
12	Technique for Separating Velocity and Density Contributions in Spectroscopic Data and Its Application to Studying Turbulence and Magnetic Fields. Astrophysical Journal, 2021, 910, 161.	1.6	19
13	Intermittency of Fast MHD Modes and Regions of Anomalous Gradient Orientation in Low- \hat{I} ² Plasmas. Astrophysical Journal, 2021, 911, 53.	1.6	8
14	Anisotropies in Compressible MHD Turbulence: Probing Magnetic Fields and Measuring Magnetization. Astrophysical Journal, 2021, 911, 37.	1.6	19
15	Small-scale turbulent dynamo in astrophysical environments: nonlinear dynamo and dynamo in a partially ionized plasma. Reviews of Modern Plasma Physics, 2021, 5, 1.	2.2	2
16	Alignment of Irregular Grains by Radiative Torques: Efficiency Study. Astrophysical Journal, 2021, 913, 63.	1.6	14
17	Gradient measurement of synchrotron polarization diagnostic: Application to spatially separated emission and Faraday rotation regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 6206-6216.	1.6	3
18	Anisotropic Turbulence in Position \hat{A} ^o Position \hat{A} ^o Velocity Space: Probing Three-dimensional Magnetic Fields. Astrophysical Journal, 2021, 915, 67.	1.6	14

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19	Cosmic-Ray Acceleration from Turbulence in Molecular Clouds. <i>Astrophysical Journal Letters</i> , 2021, 917, L39.	3.0	6
20	Effect of Dust Rotational Disruption by Radiative Torques and Implications for the F-corona Decrease Revealed by the Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 919, 91.	1.6	1
21	A synergy of the velocity gradients technique and the probability density functions for identifying gravitational collapse in self-absorbing media. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1768-1784.	1.6	8
22	Diffusion of Cosmic Rays in MHD Turbulence with Magnetic Mirrors. <i>Astrophysical Journal</i> , 2021, 923, 53.	1.6	28
23	Producing synthetic maps of dust polarization using a velocity channel gradient technique. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2868-2884.	1.6	18
24	Kelvin-Helmholtz versus Tearing Instability: What Drives Turbulence in Stochastic Reconnection?. <i>Astrophysical Journal</i> , 2020, 892, 50.	1.6	29
25	Turbulence in a Self-gravitating Molecular Cloud Core. <i>Astrophysical Journal</i> , 2020, 890, 157.	1.6	28
26	Trapping of Cosmic Rays in MHD Turbulence. <i>Astrophysical Journal</i> , 2020, 894, 63.	1.6	20
27	Studying the Local Magnetic Field and Anisotropy of Magnetic Turbulence by Synchrotron Polarization Derivative. <i>Astrophysical Journal</i> , 2020, 895, 20.	1.6	11
28	Onset of Turbulent Fast Magnetic Reconnection Observed in the Solar Atmosphere. <i>Astrophysical Journal Letters</i> , 2020, 890, L2.	3.0	24
29	Cosmic ray transport in starburst galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2817-2833.	1.6	47
30	3D turbulent reconnection: Theory, tests, and astrophysical implications. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	128
31	HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC 891. <i>Astronomical Journal</i> , 2020, 160, 167.	1.9	11
32	Predictions of Cosmic Microwave Background Foreground Dust Polarization Using Velocity Gradients. <i>Astrophysical Journal</i> , 2020, 888, 96.	1.6	19
33	Advancing the Velocity Gradient Technique: Using Gradient Amplitudes and Handling Thermal Broadening. <i>Astrophysical Journal</i> , 2020, 898, 65.	1.6	12
34	Curvature of Magnetic Field Lines in Compressible Magnetized Turbulence: Statistics, Magnetization Predictions, Gradient Curvature, Modes, and Self-gravitating Media. <i>Astrophysical Journal</i> , 2020, 898, 66.	1.6	16
35	Velocity Gradient in the Presence of Self-gravity: Identifying Gravity-induced Inflow and Determining Collapsing Stage. <i>Astrophysical Journal</i> , 2020, 897, 123.	1.6	29
36	Nonlinear Turbulent Dynamo during Gravitational Collapse. <i>Astrophysical Journal</i> , 2020, 899, 115.	1.6	19

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37	Two Modes of Carbonaceous Dust Alignment. <i>Astrophysical Journal</i> , 2020, 902, 97.	1.6	12
38	Probing Magnetic Field Morphology in Galaxy Clusters with the Gradient Technique. <i>Astrophysical Journal</i> , 2020, 901, 162.	1.6	15
39	Synchrotron Intensity and Polarization Gradients: Tools to Obtain the Magnetization Level in a Turbulent Medium. <i>Astrophysical Journal</i> , 2020, 905, 130.	1.6	6
40	Study Turbulence and Probe Magnetic Fields Using the Gradient Technique: Application to H ₂ Transition Regions. <i>Astrophysical Journal</i> , 2020, 905, 129.	1.6	18
41	The Catalogue for Astrophysical Turbulence Simulations (CATS). <i>Astrophysical Journal</i> , 2020, 905, 14.	1.6	12
42	Modeling of Galactic Foreground Polarization with Velocity Gradients. <i>Research Notes of the AAS</i> , 2020, 4, 105.	0.3	4
43	Anisotropy of Velocity Centroids and the Signature of Different MHD Modes in the Turbulent ISM. <i>Astrophysical Journal</i> , 2020, 901, 11.	1.6	3
44	Radiative Torques of Irregular Grains: Describing the Alignment of a Grain Ensemble. <i>Astrophysical Journal</i> , 2019, 878, 96.	1.6	25
45	On the Formation of Density Filaments in the Turbulent Interstellar Medium. <i>Astrophysical Journal</i> , 2019, 878, 157.	1.6	42
46	Anisotropic Structure of Synchrotron Polarization. <i>Astrophysical Journal</i> , 2019, 877, 108.	1.6	10
47	Gamma-Ray Bursts Induced by Turbulent Reconnection. <i>Astrophysical Journal</i> , 2019, 882, 184.	1.6	24
48	The Far-infrared Polarization Spectrum of κ Ophiuchi A from HAWC+/SOFIA Observations. <i>Astrophysical Journal</i> , 2019, 882, 113.	1.6	32
49	Magnetic Properties of Dust Grains, Effect of Precession, and Radiative Torque Alignment. <i>Astrophysical Journal</i> , 2019, 883, 122.	1.6	30
50	The VGT in the Circumstellar Medium around Young Stellar Objects. <i>Astrophysical Journal</i> , 2019, 880, 148.	1.6	2
51	Role of cosmic-ray streaming and turbulent damping in driving galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1271-1282.	1.6	37
52	SOFIA Far-infrared Imaging Polarimetry of M82 and NGC 253: Exploring the Supergalactic Wind. <i>Astrophysical Journal Letters</i> , 2019, 870, L9.	3.0	24
53	Magnetic field morphology in interstellar clouds with the velocity gradient technique. <i>Nature Astronomy</i> , 2019, 3, 776-782.	4.2	56
54	Tracing magnetic field with synchrotron polarization gradients: parameter study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4813-4822.	1.6	8

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55	Tracing Magnetic Field Morphology Using the Velocity Gradient Technique in the Presence of CO Self-absorption. <i>Astrophysical Journal</i> , 2019, 873, 16.	1.6	22
56	LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection. <i>Journal of Low Temperature Physics</i> , 2019, 194, 443-452.	0.6	193
57	Mapping of the Structure of the Galactic Magnetic Field with Velocity Gradients: Test Using Star Light Polarization. <i>Astrophysical Journal</i> , 2019, 874, 25.	1.6	19
58	Turbulent Dynamo in a Weakly Ionized Medium. <i>Astrophysical Journal</i> , 2019, 872, 62.	1.6	12
59	HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1. <i>Astrophysical Journal</i> , 2019, 872, 187.	1.6	64
60	Intensity Gradients Technique: Synergy with Velocity Gradients and Polarization Studies. <i>Astrophysical Journal</i> , 2019, 886, 17.	1.6	24
61	A Comparison between Faraday Tomography and Synchrotron Polarization Gradients. <i>Astrophysical Journal</i> , 2019, 887, 258.	1.6	6
62	Tracing Magnetic Fields By the Synergies of Synchrotron Emission Gradients. <i>Astrophysical Journal</i> , 2019, 886, 63.	1.6	9
63	Tracing Multi-scale Magnetic Field Structure Using Multiple Chemical Tracers in Giant Molecular Clouds. <i>Astrophysical Journal</i> , 2019, 884, 137.	1.6	20
64	Tracing Magnetic Fields with Spectroscopic Channel Maps. <i>Astrophysical Journal</i> , 2018, 853, 96.	1.6	84
65	Effects of the magnetic field direction on the Tsallis statistic. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3324-3330.	1.6	7
66	Alignment of Irregular Grains by Mechanical Torques. <i>Astrophysical Journal</i> , 2018, 852, 129.	1.6	63
67	Cross-sectional Alignment of Polycyclic Aromatic Hydrocarbons by Anisotropic Radiation. <i>Astrophysical Journal</i> , 2018, 860, 158.	1.6	6
68	Resonance-broadened Transit Time Damping of Particles in MHD Turbulence. <i>Astrophysical Journal</i> , 2018, 868, 36.	1.6	32
69	Distribution of Velocity Gradient Orientations: Mapping Magnetization with the Velocity Gradient Technique. <i>Astrophysical Journal</i> , 2018, 865, 46.	1.6	58
70	Statistical Tracing of Magnetic Fields: Comparing and Improving the Techniques. <i>Astrophysical Journal</i> , 2018, 865, 54.	1.6	26
71	Spectral Properties of Magnetohydrodynamic Turbulence Revealed by Polarization Synchrotron Emission with Faraday Rotation. <i>Astrophysical Journal</i> , 2018, 863, 197.	1.6	16
72	Improving the accuracy of magnetic field tracing by velocity gradients: principal component analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1333-1339.	1.6	40

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73	Gradients of Synchrotron Polarization: Tracing 3D Distribution of Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 865, 59.	1.6	40
74	Statistical properties of Galactic CMB foregrounds: dust and synchrotron. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 530-540.	1.6	19
75	Magnetic evolution linked to the interrelated activity complexes involving transequatorial coronal holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1309-1319.	1.6	2
76	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1048-1056.	0.6	96
77	Discovery of Kolmogorov-like magnetic energy spectrum in Tycho's supernova remnant by two-point correlations of synchrotron intensity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2200-2205.	1.6	15
78	Spinup and Disruption of Interstellar Asteroids by Mechanical Torques, and Implications for 1I/2017 U1 (Oumuamua). <i>Astrophysical Journal</i> , 2018, 860, 42.	1.6	16
79	Stochastic Reconnection for Large Magnetic Prandtl Numbers. <i>Astrophysical Journal</i> , 2018, 860, 52.	1.6	12
80	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2018, 193, 841-850.	0.6	6
81	The Interaction of Relativistic Spacecrafts with the Interstellar Medium. <i>Astrophysical Journal</i> , 2017, 837, 5.	1.6	61
82	Radiative Grain Alignment in Protoplanetary Disks: Implications for Polarimetric Observations. <i>Astrophysical Journal</i> , 2017, 839, 56.	1.6	96
83	VELOCITY GRADIENTS AS A TRACER FOR MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2017, 835, 41.	1.6	95
84	Synchrotron Intensity Gradients as Tracers of Interstellar Magnetic Fields. <i>Astrophysical Journal</i> , 2017, 842, 30.	1.6	37
85	TeV Cosmic-Ray Anisotropy from the Magnetic Field at the Heliospheric Boundary. <i>Astrophysical Journal</i> , 2017, 842, 54.	1.6	6
86	Statistics of Reconnection-driven Turbulence. <i>Astrophysical Journal</i> , 2017, 838, 91.	1.6	65
87	A study of a coronal hole associated with a large filament eruption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4776-4787.	1.6	4
88	Effects of dust absorption on spectroscopic studies of turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3103-3123.	1.6	30
89	Magnetic Field Amplification in Supernova Remnants. <i>Astrophysical Journal</i> , 2017, 850, 126.	1.6	29
90	Tracing Interstellar Magnetic Field Using Velocity Gradient Technique: Application to Atomic Hydrogen Data. <i>Astrophysical Journal Letters</i> , 2017, 837, L24.	3.0	80

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91	Heliosheath Processes and the Structure of the Heliopause: Modeling Energetic Particles, Cosmic Rays, and Magnetic Fields. <i>Space Science Reviews</i> , 2017, 212, 193-248.	3.7	57
92	Magnetohydrodynamic turbulence and turbulent dynamo in partially ionized plasma. <i>New Journal of Physics</i> , 2017, 19, 065005.	1.2	20
93	Strong coupling of Alfvén and fast modes in compressible relativistic magnetohydrodynamic turbulence in magnetically dominated plasmas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4542-4550.	1.6	16
94	Study of velocity centroids based on the theory of fluctuations in position-velocity space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3617-3635.	1.6	33
95	Can the observed E/B ratio for dust galactic foreground be explained by sub-Alfvénic turbulence?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 472, L10-L14.	1.2	21
96	THE PHASE COHERENCE OF INTERSTELLAR DENSITY FLUCTUATIONS. <i>Astrophysical Journal</i> , 2016, 827, 26.	1.6	14
97	COSMIC-RAY SMALL-SCALE ANISOTROPIES AND LOCAL TURBULENT MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2016, 830, 19.	1.6	24
98	POLARIMETRIC STUDIES OF MAGNETIC TURBULENCE WITH AN INTERFEROMETER. <i>Astrophysical Journal</i> , 2016, 831, 77.	1.6	22
99	DAMPING OF MAGNETOHYDRODYNAMIC TURBULENCE IN PARTIALLY IONIZED PLASMA: IMPLICATIONS FOR COSMIC RAY PROPAGATION. <i>Astrophysical Journal</i> , 2016, 826, 166.	1.6	52
100	COMPRESSIBLE RELATIVISTIC MAGNETOHYDRODYNAMIC TURBULENCE IN MAGNETICALLY DOMINATED PLASMAS AND IMPLICATIONS FOR A STRONG-COUPLING REGIME. <i>Astrophysical Journal Letters</i> , 2016, 831, L11.	3.0	23
101	A UNIFIED MODEL OF GRAIN ALIGNMENT: RADIATIVE ALIGNMENT OF INTERSTELLAR GRAINS WITH MAGNETIC INCLUSIONS. <i>Astrophysical Journal</i> , 2016, 831, 159.	1.6	97
102	POLARIZATION OF MAGNETIC DIPOLE EMISSION AND SPINNING DUST EMISSION FROM MAGNETIC NANOPARTICLES. <i>Astrophysical Journal</i> , 2016, 821, 91.	1.6	45
103	DAMPING OF ALFVÉN WAVES BY TURBULENCE AND ITS CONSEQUENCES: FROM COSMIC-RAY STREAMING TO LAUNCHING WINDS. <i>Astrophysical Journal</i> , 2016, 833, 131.	1.6	52
104	SPECTRUM AND ANISOTROPY OF TURBULENCE FROM MULTI-FREQUENCY MEASUREMENT OF SYNCHROTRON POLARIZATION. <i>Astrophysical Journal</i> , 2016, 818, 178.	1.6	68
105	Extending velocity channel analysis for studying turbulence anisotropies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1227-1259.	1.6	41
106	STUDYING MAGNETOHYDRODYNAMIC TURBULENCE WITH SYNCHROTRON POLARIZATION DISPERSION. <i>Astrophysical Journal</i> , 2016, 825, 154.	1.6	22
107	TURBULENT DYNAMO IN A CONDUCTING FLUID AND A PARTIALLY IONIZED GAS. <i>Astrophysical Journal</i> , 2016, 833, 215.	1.6	58
108	Limits on the ion temperature anisotropy in the turbulent intracluster medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2492-2504.	1.6	7

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109	Stochastic reacceleration of relativistic electrons by turbulent reconnection: a mechanism for cluster-scale radio emission?. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2584-2595.	1.6	87
110	COSMIC RAYS AND MHD TURBULENCE GENERATION IN INTERSTELLAR GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2016, 824, 89.	1.6	27
111	Turbulence-induced magnetic fields in shock precursors. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1645-1659.	1.6	21
112	RADIO SYNCHROTRON FLUCTUATION STATISTICS AS A PROBE OF MAGNETIZED INTERSTELLAR TURBULENCE. Astrophysical Journal, 2016, 822, 13.	1.6	25
113	PRINCIPAL COMPONENT ANALYSIS STUDIES OF TURBULENCE IN OPTICALLY THICK GAS. Astrophysical Journal, 2016, 818, 118.	1.6	12
114	STUDYING THE INTERSTELLAR MAGNETIC FIELD FROM ANISOTROPIES IN VELOCITY CHANNELS. Astrophysical Journal, 2015, 814, 77.	1.6	21
115	THE LINE WIDTH DIFFERENCE OF NEUTRALS AND IONS INDUCED BY MHD TURBULENCE. Astrophysical Journal, 2015, 810, 44.	1.6	25
116	THE TURBULENCE VELOCITY POWER SPECTRUM OF NEUTRAL HYDROGEN IN THE SMALL MAGELLANIC CLOUD. Astrophysical Journal, 2015, 810, 33.	1.6	51
117	TURBULENT RECONNECTION IN RELATIVISTIC PLASMAS AND EFFECTS OF COMPRESSIBILITY. Astrophysical Journal, 2015, 815, 16.	1.6	34
118	Modelling grain alignment by radiative torques and hydrogen formation torques in reflection nebula. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1178-1198.	1.6	28
119	Interstellar Dust Grain Alignment. Annual Review of Astronomy and Astrophysics, 2015, 53, 501-539.	8.1	340
120	Turbulent reconnection and its implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140144.	1.6	83
121	ALFVÉNIC TURBULENCE BEYOND THE AMBIPOLAR DIFFUSION SCALE. Astrophysical Journal, 2015, 805, 118.	1.6	37
122	OBSERVATIONAL DIAGNOSTICS OF SELF-GRAVITATING MHD TURBULENCE IN GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2015, 808, 48.	1.6	67
123	ON ORIGIN AND DESTRUCTION OF RELATIVISTIC DUST AND ITS IMPLICATION FOR ULTRAHIGH ENERGY COSMIC RAYS. Astrophysical Journal, 2015, 806, 255.	1.6	27
124	PARAMAGNETIC ALIGNMENT OF SMALL GRAINS: A NOVEL METHOD FOR MEASURING INTERSTELLAR MAGNETIC FIELDS. Astrophysical Journal, 2014, 790, 6.	1.6	31
125	Filaments in the southern giant lobe of Centaurus: constraints on nature and origin from modelling and GMRT observations. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2867-2882.	1.6	15
126	MAGNETIC FIELD AMPLIFICATION AND EVOLUTION IN TURBULENT COLLISIONLESS MAGNETOHYDRODYNAMICS: AN APPLICATION TO THE INTRACLUSTER MEDIUM. Astrophysical Journal, 2014, 781, 84.	1.6	57

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127	MEASURING THE ALFVÉNIC NATURE OF THE INTERSTELLAR MEDIUM: VELOCITY ANISOTROPY REVISITED. <i>Astrophysical Journal</i> , 2014, 790, 130.	1.6	47
128	Observational diagnostics for two-fluid turbulence in molecular clouds as suggested by simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2197-2210.	1.6	12
129	OPACITY BROADENING OF ¹³ CO LINEWIDTHS AND ITS EFFECT ON THE VARIANCE-SONIC MACH NUMBER RELATION. <i>Astrophysical Journal Letters</i> , 2014, 785, L1.	3.0	8
130	Reconnection Diffusion in Turbulent Fluids and Its Implications for Star Formation. <i>Space Science Reviews</i> , 2014, 181, 1-59.	3.7	39
131	SUPERDIFFUSION OF COSMIC RAYS: IMPLICATIONS FOR COSMIC RAY ACCELERATION. <i>Astrophysical Journal</i> , 2014, 784, 38.	1.6	89
132	Grain alignment by radiative torques in special conditions and implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 680-703.	1.6	89
133	Topics in Microphysics of Relativistic Plasmas. <i>Space Science Reviews</i> , 2013, 178, 459-481.	3.7	13
134	Notes on Magnetohydrodynamics of Magnetic Reconnection in Turbulent Media. <i>Space Science Reviews</i> , 2013, 178, 325-355.	3.7	14
135	Astrophysical Hydromagnetic Turbulence. <i>Space Science Reviews</i> , 2013, 178, 163-200.	3.7	101
136	THE COLLAPSE OF TURBULENT CORES AND RECONNECTION DIFFUSION. <i>Astrophysical Journal</i> , 2013, 777, 46.	1.6	24
137	Magnetic reconnection in the presence of externally driven and self-generated turbulence. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	45
138	Disc formation in turbulent cloud cores: is magnetic flux loss necessary to stop the magnetic braking catastrophe or not?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3371-3378.	1.6	46
139	CONSTRAINT ON THE POLARIZATION OF ELECTRIC DIPOLE EMISSION FROM SPINNING DUST. <i>Astrophysical Journal</i> , 2013, 779, 152.	1.6	38
140	THE EFFECTS OF RADIATIVE TRANSFER ON THE PROBABILITY DISTRIBUTION FUNCTIONS OF MOLECULAR MAGNETOHYDRODYNAMIC TURBULENCE. <i>Astrophysical Journal</i> , 2013, 771, 122.	1.6	25
141	HIERARCHICAL STRUCTURE OF MAGNETOHYDRODYNAMIC TURBULENCE IN POSITION-POSITION-VELOCITY SPACE. <i>Astrophysical Journal</i> , 2013, 770, 141.	1.6	43
142	EVIDENCE FOR H ₂ FORMATION DRIVEN DUST GRAIN ALIGNMENT IN IC 63. <i>Astrophysical Journal</i> , 2013, 775, 84.	1.6	37
143	THE TURBULENCE POWER SPECTRUM IN OPTICALLY THICK INTERSTELLAR CLOUDS. <i>Astrophysical Journal</i> , 2013, 771, 123.	1.6	49
144	CHARACTERIZING THE TURBULENT PROPERTIES OF THE STARLESS MOLECULAR CLOUD MBM 16. <i>Astrophysical Journal</i> , 2013, 779, 36.	1.6	19

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145	Spinning Dust Emission from Wobbling Grains: Important Physical Effects and Implications. <i>Advances in Astronomy</i> , 2012, 2012, 1-14.	0.5	5
146	MHD turbulence in the intracluster medium. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 406-406.	0.0	0
147	Particle Acceleration in Turbulence and Weakly Stochastic Reconnection. <i>Physical Review Letters</i> , 2012, 108, 241102.	2.9	89
148	Astrophysical MHD turbulence: confluence of observations, simulations, and theory. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 325-336.	0.0	1
149	STATISTICAL DESCRIPTION OF SYNCHROTRON INTENSITY FLUCTUATIONS: STUDIES OF ASTROPHYSICAL MAGNETIC TURBULENCE. <i>Astrophysical Journal</i> , 2012, 747, 5.	1.6	86
150	COSMIC-RAY STREAMING FROM SUPERNOVA REMNANTS AND GAMMA-RAY EMISSION FROM NEARBY MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2012, 745, 140.	1.6	39
151	Turbulence, Magnetic Reconnection in Turbulent Fluids and Energetic Particle Acceleration. <i>Space Science Reviews</i> , 2012, 173, 557-622.	3.7	91
152	ACCELERATION OF VERY SMALL DUST GRAINS DUE TO RANDOM CHARGE FLUCTUATIONS. <i>Astrophysical Journal</i> , 2012, 761, 96.	1.6	17
153	THE ROLE OF TURBULENT MAGNETIC RECONNECTION IN THE FORMATION OF ROTATIONALLY SUPPORTED PROTOSTELLAR DISKS. <i>Astrophysical Journal</i> , 2012, 747, 21.	1.6	106
154	Reconnection current sheet structure in a turbulent medium. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 605-610.	0.6	10
155	PROPERTIES OF INTERSTELLAR TURBULENCE FROM GRADIENTS OF LINEAR POLARIZATION MAPS. <i>Astrophysical Journal</i> , 2012, 749, 145.	1.6	68
156	THE COLUMN DENSITY VARIANCE- $\Sigma_{\text{cal M}}^2$ RELATIONSHIP. <i>Astrophysical Journal Letters</i> , 2012, 755, L19.	3.0	81
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