

# Hui Li

## List of Publications by Year in descending order

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146  
papers

5,582  
citations

61984

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95266

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154  
docs citations

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times ranked

4403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Energy Conversion in Magnetohydrodynamics: Curvature Relaxation and Perpendicular Expansion of Magnetic Fields. <i>Astrophysical Journal</i> , 2022, 925, 128.	4.5	4
2	On the Existence of Fast Modes in Compressible Magnetohydrodynamic Turbulence. <i>Astrophysical Journal</i> , 2022, 926, 222.	4.5	18
3	Hot Circumstellar Disks Drive Binary Black Hole Mergers in Active Galactic Nucleus Disks. <i>Astrophysical Journal Letters</i> , 2022, 928, L19.	8.3	23
4	Faster ablative Kelvin-Helmholtz instability growth in a magnetic field. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	2
5	Role of self-generated magnetic fields in the inertial fusion ignition threshold. <i>Physics of Plasmas</i> , 2022, 29, 072701.	1.9	2
6	Symmetric Set of Transport Coefficients for Collisional Magnetized Plasma. <i>Physical Review Letters</i> , 2021, 126, 075001.	7.8	28
7	Ring Formation in Protoplanetary Disks Driven by an Eccentric Instability. <i>Astrophysical Journal</i> , 2021, 910, 79.	4.5	3
8	Orbital Evolution of Binary Black Holes in Active Galactic Nucleus Disks: A Disk Channel for Binary Black Hole Mergers?. <i>Astrophysical Journal</i> , 2021, 911, 124.	4.5	44
9	Magnetic Energy Release, Plasma Dynamics, and Particle Acceleration in Relativistic Turbulent Magnetic Reconnection. <i>Astrophysical Journal</i> , 2021, 919, 111.	4.5	34
10	Efficient Nonthermal Ion and Electron Acceleration Enabled by the Flux-Rope Kink Instability in 3D Nonrelativistic Magnetic Reconnection. <i>Physical Review Letters</i> , 2021, 127, 185101.	7.8	37
11	Magnetization around mix jets entering inertial confinement fusion fuel. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	10
12	Planet-induced Vortices with Dust Coagulation in Protoplanetary Disks. <i>Astrophysical Journal Letters</i> , 2020, 892, L19.	8.3	11
13	Determination of a macro- to micro-scale progression leading to a magnetized plasma disruption. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	5
14	Heating of Heavy Ions in Low-beta Compressible Turbulence. <i>Astrophysical Journal</i> , 2020, 890, 161.	4.5	7
15	Modeling hydrodynamics, magnetic fields, and synthetic radiographs for high-energy-density plasma flows in shock-shear targets. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	5
16	3D turbulent reconnection: Theory, tests, and astrophysical implications. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	128
17	Overcoming the dephasing limit in multiple-pulse laser wakefield acceleration. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	8
18	Meso-scale Instability Triggered by Dust Feedback in Dusty Rings: Origin and Observational Implications. <i>Astrophysical Journal</i> , 2020, 893, 89.	4.5	16

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19	The Preservation of Super-Earths and the Emergence of Gas Giants after Their Progenitor Cores Have Entered the Pebble-isolation Phase. <i>Astrophysical Journal</i> , 2020, 896, 135.	4.5	23
20	Exploring the Acceleration Mechanisms for Particle Injection and Power-law Formation during Transrelativistic Magnetic Reconnection. <i>Astrophysical Journal</i> , 2020, 899, 151.	4.5	28
21	Retention of Long-period Gas Giant Planets: Type II Migration Revisited. <i>Astrophysical Journal</i> , 2020, 900, 44.	4.5	14
22	Ring Morphology with Dust Coagulation in Protoplanetary Disks. <i>Astrophysical Journal Letters</i> , 2020, 889, L8.	8.3	10
23	3D Numerical Simulation of Kink-driven Rayleigh–Taylor Instability Leading to Fast Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2020, 895, L7.	8.3	3
24	Fast Magnetic Reconnection with Turbulence in High Lundquist Number Limit. <i>Astrophysical Journal Letters</i> , 2020, 901, L22.	8.3	20
25	Thermomagnetic instability of plasma composition gradients. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	1
26	Multiwavelength Investigation of Pulsar Wind Nebula DA 495 with HAWC, VERITAS, and NuSTAR. <i>Astrophysical Journal</i> , 2019, 878, 126.	4.5	10
27	Determining the Dominant Acceleration Mechanism during Relativistic Magnetic Reconnection in Large-scale Systems. <i>Astrophysical Journal Letters</i> , 2019, 879, L23.	8.3	54
28	Probing the Emission Mechanism and Magnetic Field of Neutrino Blazars with Multiwavelength Polarization Signatures. <i>Astrophysical Journal</i> , 2019, 876, 109.	4.5	20
29	Particle Acceleration in Kinetic Simulations of Nonrelativistic Magnetic Reconnection with Different Ion–Electron Mass Ratios. <i>Astrophysical Journal</i> , 2019, 879, 5.	4.5	20
30	The Observability of Vortex-driven Spiral Arms in Protoplanetary Disks: Basic Spiral Properties. <i>Astrophysical Journal Letters</i> , 2019, 883, L39.	8.3	17
31	New Constraints on the Dust and Gas Distribution in the LkCa 15 Disk from ALMA. <i>Astrophysical Journal</i> , 2019, 881, 108.	4.5	17
32	Formation of Power-law Electron Energy Spectra in Three-dimensional Low- $\beta^2$ Magnetic Reconnection. <i>Astrophysical Journal</i> , 2019, 884, 118.	4.5	53
33	Effects of Ringed Structures and Dust Size Growth on Millimeter Observations of Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 878, 39.	4.5	19
34	Magnetically Induced Current Piston for Generating Extreme-ultraviolet Fronts in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 874, 137.	4.5	3
35	On the Dust Signatures Induced by Eccentric Super-Earths in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 886, 62.	4.5	10
36	A Quasi-static Hyper-resistive Model of Ultra-high-energy Cosmic-ray Acceleration by Magnetically Collimated Jets Created by Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2019, 885, 4.	4.5	6

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37	MPRAD: A Monte Carlo and ray-tracing code for the proton radiography in high-energy-density plasma experiments. <i>Review of Scientific Instruments</i> , 2019, 90, 123503.	1.3	4
38	Including Dust Coagulation in Hydrodynamic Models of Protoplanetary Disks: Dust Evolution in the Vicinity of a Jupiter-mass Planet. <i>Astrophysical Journal</i> , 2019, 885, 91.	4.5	65
39	Investigating the Early Evolution of Planetary Systems with ALMA and the Next Generation Very Large Array. <i>Astrophysical Journal</i> , 2018, 853, 110.	4.5	29
40	Simulations of the Polarized Sky for the SKA: How to Constrain Intracluster Magnetic Fields. <i>Galaxies</i> , 2018, 6, 133.	3.0	3
41	The Roles of Fluid Compression and Shear in Electron Energization during Magnetic Reconnection. <i>Astrophysical Journal</i> , 2018, 855, 80.	4.5	59
42	Identifying Anticyclonic Vortex Features Produced by the Rossby Wave Instability in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2018, 867, 3.	4.5	23
43	Radiation Hydrodynamical Simulations of the First Quasars. <i>Astrophysical Journal</i> , 2018, 865, 126.	4.5	42
44	Large-scale Compression Acceleration during Magnetic Reconnection in a Low- $\beta^2$ Plasma. <i>Astrophysical Journal</i> , 2018, 866, 4.	4.5	38
45	New Constraints on Turbulence and Embedded Planet Mass in the HD 163296 Disk from Planet-Embedded Disk Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2018, 857, 87.	4.5	56
46	Parametric Decay Instability and Dissipation of Low-frequency Alfvén Waves in Low-beta Turbulent Plasmas. <i>Astrophysical Journal</i> , 2018, 855, 139.	4.5	17
47	Reverse Current Model for Coronal Mass Ejection Cavity Formation. <i>Astrophysical Journal Letters</i> , 2018, 862, L15.	8.3	11
48	Polarization Signatures of Kink Instabilities in the Blazar Emission Region from Relativistic Magnetohydrodynamic Simulations. <i>Astrophysical Journal</i> , 2017, 835, 125.	4.5	30
49	Three-dimensional Magnetohydrodynamical Simulations of the Morphology of Head-Tail Radio Galaxies Based on the Magnetic Tower Jet Model. <i>Astrophysical Journal</i> , 2017, 839, 14.	4.5	17
50	The Parametric Decay Instability of Alfvén Waves in Turbulent Plasmas and the Applications in the Solar Wind. <i>Astrophysical Journal</i> , 2017, 842, 63.	4.5	21
51	Magnetized Reverse Shock: Density-fluctuation-induced Field Distortion, Polarization Degree Reduction, and Application to GRBs. <i>Astrophysical Journal Letters</i> , 2017, 845, L3.	8.3	11
52	Multiple Disk Gaps and Rings Generated by a Single Super-Earth. <i>Astrophysical Journal</i> , 2017, 843, 127.	4.5	157
53	Particle Acceleration during Magnetic Reconnection in a Low-beta Plasma. <i>Astrophysical Journal</i> , 2017, 843, 21.	4.5	85
54	The Acceleration of High-energy Protons at Coronal Shocks: The Effect of Large-scale Streamer-like Magnetic Field Structures. <i>Astrophysical Journal</i> , 2017, 851, 38.	4.5	33

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55	Apex Dips of Experimental Flux Ropes: Helix or Cusp?. <i>Astrophysical Journal</i> , 2017, 848, 89.	4.5	7
56	Dissipation and particle energization in moderate to low beta turbulent plasma via PIC simulations. <i>Journal of Physics: Conference Series</i> , 2017, 837, 012004.	0.4	8
57	Long-lived Dust Asymmetries at Dead Zone Edges in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2017, 835, 118.	4.5	32
58	Spheromaks and how plasmas may explain the ultra high energy cosmic ray mystery. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	1
59	The role of disk self-gravity on gap formation of the HL Tau proto-planetary disk. <i>Journal of Physics: Conference Series</i> , 2016, 719, 012007.	0.4	2
60	Ringed Structures of the HD 163296 Protoplanetary Disk Revealed by ALMA. <i>Physical Review Letters</i> , 2016, 117, 251101.	7.8	269
61	MODELING DUST EMISSION OF HL TAU DISK BASED ON PLANET-DISK INTERACTIONS. <i>Astrophysical Journal</i> , 2016, 818, 76.	4.5	117
62	EFFICIENT PRODUCTION OF HIGH-ENERGY NONTHERMAL PARTICLES DURING MAGNETIC RECONNECTION IN A MAGNETICALLY DOMINATED ION-ELECTRON PLASMA. <i>Astrophysical Journal Letters</i> , 2016, 818, L9.	8.3	113
63	Particle acceleration during magnetic reconnection in a low-beta pair plasma. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	28
64	FIRST-ORDER PARTICLE ACCELERATION IN MAGNETICALLY DRIVEN FLOWS. <i>Astrophysical Journal</i> , 2016, 819, 90.	4.5	34
65	COLLISION-INDUCED MAGNETIC RECONNECTION AND A UNIFIED INTERPRETATION OF POLARIZATION PROPERTIES OF GRBs AND BLAZARS. <i>Astrophysical Journal Letters</i> , 2016, 821, L12.	8.3	29
66	POLARIZATION SIGNATURES OF RELATIVISTIC MAGNETOHYDRODYNAMIC SHOCKS IN THE BLAZAR EMISSION REGION. I. FORCE-FREE HELICAL MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2016, 817, 63.	4.5	39
67	Modified FARGO algorithm and its combination with adaptive mesh refinement. <i>Journal of Computational and Applied Mathematics</i> , 2016, 307, 170-182.	2.0	0
68	QUASI-STATIC MODEL OF MAGNETICALLY COLLIMATED JETS AND RADIO LOBES. II. JET STRUCTURE AND STABILITY. <i>Astrophysical Journal</i> , 2015, 813, 136.	4.5	8
69	PARTICLE ACCELERATION AND PLASMA DYNAMICS DURING MAGNETIC RECONNECTION IN THE MAGNETICALLY DOMINATED REGIME. <i>Astrophysical Journal</i> , 2015, 806, 167.	4.5	238
70	Scaling of Magnetic Reconnection in Relativistic Collisionless Pair Plasmas. <i>Physical Review Letters</i> , 2015, 114, 095002.	7.8	69
71	RELATIVISTIC MHD SIMULATIONS OF COLLISION-INDUCED MAGNETIC DISSIPATION IN POYNTING-FLUX-DOMINATED JETS/OUTFLOWS. <i>Astrophysical Journal</i> , 2015, 805, 163.	4.5	48
72	POLARIZATION SWINGS REVEAL MAGNETIC ENERGY DISSIPATION IN BLAZARS. <i>Astrophysical Journal</i> , 2015, 804, 58.	4.5	69

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73	The structure of TeV-bright shell-type supernova remnants. <i>Astronomy and Astrophysics</i> , 2015, 573, A37.	5.1	7
74	NONTHERMALLY DOMINATED ELECTRON ACCELERATION DURING MAGNETIC RECONNECTION IN A LOW- $\beta$ PLASMA. <i>Astrophysical Journal Letters</i> , 2015, 811, L24.	8.3	79
75	MIGRATION AND GROWTH OF PROTOPLANETARY EMBRYOS. I. CONVERGENCE OF EMBRYOS IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2014, 797, 20.	4.5	38
76	EFFECTS OF DUST FEEDBACK ON VORTICES IN PROTOPLANETARY DISKS. <i>Astrophysical Journal Letters</i> , 2014, 795, L39.	8.3	93
77	QUASI-STATIC MODEL OF COLLIMATED JETS AND RADIO LOBES. I. ACCRETION DISK AND JETS. <i>Astrophysical Journal</i> , 2014, 789, 144.	4.5	9
78	RELATIVISTIC MHD SIMULATIONS OF POYNTING FLUX-DRIVEN JETS. <i>Astrophysical Journal</i> , 2014, 781, 48.	4.5	22
79	RESONANCES OF MULTIPLE EXOPLANETS AND IMPLICATIONS FOR THEIR FORMATION. <i>Astrophysical Journal Letters</i> , 2014, 789, L23.	8.3	35
80	LONG-TERM EVOLUTION OF PLANET-INDUCED VORTICES IN PROTOPLANETARY DISKS. <i>Astrophysical Journal Letters</i> , 2014, 788, L41.	8.3	61
81	Formation of Hard Power Laws in the Energetic Particle Spectra Resulting from Relativistic Magnetic Reconnection. <i>Physical Review Letters</i> , 2014, 113, 155005.	7.8	333
82	BASIC BELL-MHD TURBULENCE. <i>Astrophysical Journal</i> , 2014, 788, 107.	4.5	13
83	THREE-DIMENSIONAL MHD SIMULATION OF THE CALTECH PLASMA JET EXPERIMENT: FIRST RESULTS. <i>Astrophysical Journal</i> , 2014, 791, 40.	4.5	21
84	SUPERMASSIVE SEEDS FOR SUPERMASSIVE BLACK HOLES. <i>Astrophysical Journal</i> , 2013, 771, 116.	4.5	88
85	MAGNETOHYDRODYNAMIC TURBULENCE AND COSMIC-RAY REACCELERATION IN GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2013, 771, 131.	4.5	23
86	Constraints on planet formation via gravitational instability across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 972-977.	4.4	9
87	Data acquisition in a high-speed rotating frame for New Mexico Institute of Mining and Technology liquid sodium $\beta$ dynamo experiment. <i>Review of Scientific Instruments</i> , 2013, 84, 104501.	1.3	4
88	COSMOLOGICAL MAGNETOHYDRODYNAMIC SIMULATIONS OF GALAXY CLUSTER RADIO RELICS: INSIGHTS AND WARNINGS FOR OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 765, 21.	4.5	101
89	3D Simulations of Type-I Migration in Nearly Laminar Disks. <i>EPJ Web of Conferences</i> , 2013, 46, 05003.	0.3	0
90	The growth of the stellar seeds of supermassive black holes. , 2012, , .		0

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91	COMPARISONS OF COSMOLOGICAL MAGNETOHYDRODYNAMIC GALAXY CLUSTER SIMULATIONS TO RADIO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 759, 40.	4.5	26
92	ON THE AMPLIFICATION OF MAGNETIC FIELD BY A SUPERNOVA BLAST SHOCK WAVE IN A TURBULENT MEDIUM. <i>Astrophysical Journal</i> , 2012, 747, 98.	4.5	70
93	THE TWO STATES OF STAR-FORMING CLOUDS. <i>Astrophysical Journal</i> , 2012, 750, 13.	4.5	119
94	THE GROWTH OF THE STELLAR SEEDS OF SUPERMASSIVE BLACK HOLES. <i>Astrophysical Journal</i> , 2012, 750, 66.	4.5	88
95	THE FIRST PLANETS: THE CRITICAL METALLICITY FOR PLANET FORMATION. <i>Astrophysical Journal</i> , 2012, 751, 81.	4.5	75
96	CONSERVATIVE CASCADE OF KINETIC ENERGY IN COMPRESSIBLE TURBULENCE. <i>Astrophysical Journal Letters</i> , 2012, 751, L29.	8.3	70
97	Thermoresistive instability in magnetar crusts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 949-956.	4.4	7
98	EVOLUTION AND DISTRIBUTION OF MAGNETIC FIELDS FROM ACTIVE GALACTIC NUCLEI IN GALAXY CLUSTERS. II. THE EFFECTS OF CLUSTER SIZE AND DYNAMICAL STATE. <i>Astrophysical Journal</i> , 2011, 739, 77.	4.5	49
99	DERIVATION OF THE ELECTRON DISTRIBUTION IN SUPERNOVA REMNANT RX J1713.7â€³3946 VIA A SPECTRAL INVERSION METHOD. <i>Astrophysical Journal Letters</i> , 2011, 742, L10.	8.3	13
100	High Magnetic Shear Gain in a Liquid Sodium Stable Couette Flow Experiment: A Prelude to an $\hat{\epsilon}$ Dynamo. <i>Physical Review Letters</i> , 2011, 106, 175003.	7.8	15
101	Particle energization in 3D magnetic reconnection of relativistic pair plasmas. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	56
102	General relativistic magnetohydrodynamic and Monte Carlo Modeling of sagittarius A*. <i>Astrophysics and Space Science</i> , 2011, 336, 145-149.	1.4	0
103	The magnetized universe: its origin and dissipation through acceleration and leakage to the voids. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 2-9.	0.0	0
104	Monte Carlo simulations of the broad-band spectra of Sagittarius A* through the use of general relativistic magnetohydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1620-1627.	4.4	15
105	EVOLUTION AND DISTRIBUTION OF MAGNETIC FIELDS FROM ACTIVE GALACTIC NUCLEI IN GALAXY CLUSTERS. I. THE EFFECT OF INJECTION ENERGY AND REDSHIFT. <i>Astrophysical Journal</i> , 2010, 725, 2152-2165.	4.5	42
106	COSMOLOGICAL ADAPTIVE MESH REFINEMENT MAGNETOHYDRODYNAMICS WITH ENZO. <i>Astrophysical Journal</i> , Supplement Series, 2010, 186, 308-333.	7.7	75
107	Relaxed states in relativistic multifluid plasmas. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	25
108	TURBULENCE AND DYNAMO IN GALAXY CLUSTER MEDIUM: IMPLICATIONS ON THE ORIGIN OF CLUSTER MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2009, 698, L14-L17.	4.5	81

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109	NONAXISYMMETRIC ROSSBY VORTEX INSTABILITY WITH TOROIDAL MAGNETIC FIELDS IN RADIALLY STRUCTURED DISKS. <i>Astrophysical Journal</i> , 2009, 702, 75-84.	4.5	18
110	POLARIZED EMISSION OF SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2009, 703, 557-568.	4.5	22
111	Design of a compact coaxial magnetized plasma gun for magnetic bubble expansion experiments. , 2009, , .		0
112	Ideal magnetohydrodynamic simulations of low beta compact toroid injection into a hot strongly magnetized plasma. <i>Nuclear Fusion</i> , 2009, 49, 095008.	3.5	10
113	A FAST POTENTIAL AND SELF-GRAVITY SOLVER FOR NONAXISYMMETRIC DISKS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 244-254.	7.7	15
114	Cascade of whistler turbulence: Particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	97
115	Whistler turbulence: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	115
116	Ideal magnetohydrodynamic simulation of magnetic bubble expansion as a model for extragalactic radio lobes. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	6
117	A Cosmological AMR MHD Module for Enzo. , 2008, , .		2
118	Equilibrium and magnetic properties of a rotating plasma annulus. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	14
119	Stochastic Electron Acceleration in Shell-Type Supernova Remnants. <i>Astrophysical Journal</i> , 2008, 683, L163-L166.	4.5	28
120	CosmoMHD: A Cosmological Magnetohydrodynamics Code. <i>Astrophysical Journal, Supplement Series</i> , 2008, 174, 1-12.	7.7	41
121	Long-Term Evolution of Magnetized Bubbles in Galaxy Clusters. <i>Astrophysical Journal</i> , 2008, 684, L57-L60.	4.5	7
122	Linearly and Circularly Polarized Emission in Sagittarius A*. <i>Astrophysical Journal</i> , 2008, 676, L119-L122.	4.5	19
123	Stochastic Acceleration in the Western Hot Spot of Pictor A. <i>Astrophysical Journal</i> , 2008, 673, L139-L142.	4.5	15
124	Constraining the Nature of X-Ray Cavities in Clusters and Galaxies. <i>Astrophysical Journal</i> , 2008, 687, 173-192.	4.5	71
125	The Biermann Battery in Cosmological MHD Simulations of Population III Star Formation. <i>Astrophysical Journal</i> , 2008, 688, L57-L60.	4.5	72
126	A Numerical Model of Hercules A by Magnetic Tower: Jet/Lobe Transition, Wiggling, and the Magnetic Field Distribution. <i>Astrophysical Journal</i> , 2008, 686, 843-850.	4.5	26



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127	Stability Properties of Magnetic Tower Jets. <i>Astrophysical Journal</i> , 2007, 656, 721-732.	4.5	64
128	The Nature of Linearly Polarized Millimeter and Submillimeter Emission in Sagittarius A*. <i>Astrophysical Journal</i> , 2007, 668, L127-L130.	4.5	8
129	Observation of an Enhanced Magnetic Helicity Injection Mode by a Rotating Plasma Annulus. <i>Journal of Fusion Energy</i> , 2007, 26, 233-238.	1.2	3
130	Modeling the Large-Scale Structures of Astrophysical Jets in the Magnetically Dominated Limit. <i>Astrophysical Journal</i> , 2006, 643, 92-100.	4.5	79
131	Structure of Magnetic Tower Jets in Stratified Atmospheres. <i>Astrophysical Journal</i> , 2006, 652, 1059-1067.	4.5	49
132	Potential Vorticity Evolution of a Protoplanetary Disk with an Embedded Protoplanet. <i>Astrophysical Journal</i> , 2005, 624, 1003-1009.	4.5	103
133	Similarity solutions for magnetic bubble expansion. <i>Physics of Plasmas</i> , 2004, 11, 2082-2096.	1.9	5
134	Mini-conference and related sessions on laboratory plasma astrophysics. <i>Physics of Plasmas</i> , 2004, 11, 2976-2983.	1.9	3
135	Acceleration mechanisms 2: force-free reconnection. <i>Comptes Rendus Physique</i> , 2004, 5, 431-440.	0.9	11
136	A novel approach of divergence-free reconstruction for adaptive mesh refinement. <i>Journal of Computational Physics</i> , 2004, 199, 1-15.	3.8	24
137	Particle Energization in an Expanding Magnetized Relativistic Plasma. <i>Physical Review Letters</i> , 2003, 90, 085001.	7.8	25
138	Magnetic reconnection in a force-free plasma: Simulations of micro- and macroinstabilities. <i>Physics of Plasmas</i> , 2003, 10, 347-356.	1.9	19
139	Cosmological Mestel Disks and the Rossby Vortex Instability: The Origin of Supermassive Black Holes. <i>Astrophysical Journal</i> , 2003, 598, L7-L10.	4.5	16
140	Vortices in the Co-orbital Region of an Embedded Protoplanet. <i>Astrophysical Journal</i> , 2003, 596, L91-L94.	4.5	83
141	Whistler anisotropy instability: Wave-particle scattering rate. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 18-1.	3.3	20
142	On the dissipation of magnetic fluctuations in the solar wind. <i>Geophysical Research Letters</i> , 2001, 28, 1347-1350.	4.0	60
143	The origin of the magnetic fields of the universe: The plasma astrophysics of the free energy of the universe. <i>Physics of Plasmas</i> , 2001, 8, 2425-2431.	1.9	54
144	Simulations of electron/electron instabilities: Electromagnetic fluctuations. <i>Physics of Plasmas</i> , 2000, 7, 448-456.	1.9	14

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145	Electrodynamics of neutron stars. <i>Physics Reports</i> , 1999, 318, 227-297.	25.6	66
146	The Halo Beaming Model for Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1997, 484, 720-740.	4.5	9