

Shu-ichiro Inutsuka

List of Publications by Year in descending order

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Version: 2024-02-01

171
papers

7,930
citations

50276

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60623

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docs citations

176
times ranked

4347
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#	ARTICLE	IF	CITATIONS
1	The Effects of Cosmic-Ray Diffusion and Radiative Cooling on the Galactic Wind of the Milky Way. <i>Astrophysical Journal</i> , 2022, 926, 8.	4.5	6
2	3D magnetic-field morphology of the Perseus molecular cloud. <i>Astronomy and Astrophysics</i> , 2022, 660, A97.	5.1	19
3	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	4.5	16
4	Orion A's complete 3D magnetic field morphology. <i>Astronomy and Astrophysics</i> , 2022, 660, L7.	5.1	14
5	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. <i>Astrophysical Journal</i> , 2022, 930, 67.	4.5	3
6	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
7	Observations of Magnetic Fields Surrounding LkH $\hat{\pm}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
8	ALMA Observations of Massive Clouds in the Central Molecular Zone: Ubiquitous Protostellar Outflows. <i>Astrophysical Journal</i> , 2021, 909, 177.	4.5	14
9	OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3414-3433.	4.4	15
10	FAUST. II. Discovery of a Secondary Outflow in IRAS 15398 $\hat{\sim}$ 3359: Variability in Outflow Direction during the Earliest Stage of Star Formation?. <i>Astrophysical Journal</i> , 2021, 910, 11.	4.5	19
11	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
12	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27.	8.3	21
13	Conditions for Justifying Single-fluid Approximation for Charged and Neutral Dust Fluids and a Smoothed Particle Magnetohydrodynamics Method for Dust-Gas Mixture. <i>Astrophysical Journal</i> , 2021, 913, 148.	4.5	15
14	Two-component Magnetic Field along the Line of Sight to the Perseus Molecular Cloud: Contribution of the Foreground Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 914, 122.	4.5	5
15	Classification of Filament Formation Mechanisms in Magnetized Molecular Clouds. <i>Astrophysical Journal</i> , 2021, 916, 83.	4.5	21
16	Associated Molecular and Atomic Clouds with X-Ray Shell of Superbubble 30 Doradus C in the LMC. <i>Astrophysical Journal</i> , 2021, 918, 36.	4.5	1
17	The JCMT BISTRO Survey: An 850/450 $\hat{\imath}$ ¼m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
18	SPH simulations for shape deformation of rubble-pile asteroids through spinup: The challenge for making top-shaped asteroids Ryugu and Bennu. <i>Icarus</i> , 2021, 365, 114505.	2.5	15

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19	The JCMT Transient Survey: Four-year Summary of Monitoring the Submillimeter Variability of Protostars. <i>Astrophysical Journal</i> , 2021, 920, 119.	4.5	22
20	Induced by Molecular Outflow in Protostar Evolution. <i>Astrophysical Journal Letters</i> , 2021, 920, L35.	8.3	27
21	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. <i>Astrophysical Journal Letters</i> , 2021, 923, L9.	8.3	4
22	Coagulation Instability in Protoplanetary Disks: A Novel Mechanism Connecting Collisional Growth and Hydrodynamical Clumping of Dust Particles. <i>Astrophysical Journal</i> , 2021, 923, 34.	4.5	15
23	High-resolution simulations of catastrophic disruptions: Resultant shape distributions. <i>Planetary and Space Science</i> , 2020, 181, 104807.	1.7	4
24	Distribution and kinematics of 26Al in the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2442-2454.	4.4	15
25	Formation and evolution of the local interstellar environment: combined constraints from nucleosynthetic and X-ray data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5532-5540.	4.4	7
26	The Origin of the Stellar Mass Distribution and Multiplicity. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	29
27	The Molecular Cloud Lifecycle. <i>Space Science Reviews</i> , 2020, 216, 50.	8.1	77
28	Dispersal of protoplanetary discs by the combination of magnetically driven and photoevaporative winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3849-3858.	4.4	34
29	Early Evolution of Disk, Outflow, and Magnetic Field of Young Stellar Objects: Impact of Dust Model. <i>Astrophysical Journal</i> , 2020, 896, 158.	4.5	22
30	Fragmentation and Evolution of Dense Cores Judged by ALMA (FREJA). I. Overview: Inner ~ 1000 au Structures of Prestellar/Protostellar Cores in Taurus. <i>Astrophysical Journal</i> , 2020, 899, 10.	4.5	23
31	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	4.5	39
32	Secular Gravitational Instability of Drifting Dust in Protoplanetary Disks: Formation of Dusty Rings without Significant Gas Substructures. <i>Astrophysical Journal</i> , 2020, 900, 182.	4.5	29
33	ALMA CO Observations of Gamma-Ray Supernova Remnant N132D in the Large Magellanic Cloud: Possible Evidence for Shocked Molecular Clouds Illuminated by Cosmic-Ray Protons. <i>Astrophysical Journal</i> , 2020, 902, 53.	4.5	16
34	A Low-velocity Bipolar Outflow from a Deeply Embedded Object in Taurus Revealed by the Atacama Compact Array. <i>Astrophysical Journal Letters</i> , 2020, 899, L10.	8.3	8
35	ALMA CO Observations of the Gamma-Ray Supernova Remnant RX J1713.7-3946: Discovery of Shocked Molecular Cloudlets and Filaments at 0.01 pc Scales. <i>Astrophysical Journal Letters</i> , 2020, 904, L24.	8.3	14
36	Bimodal Behavior and Convergence Requirement in Macroscopic Properties of the Multiphase Interstellar Medium Formed by Atomic Converging Flows. <i>Astrophysical Journal</i> , 2020, 905, 95.	4.5	7

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37	Discovery of Shocked Molecular Clouds Associated with the Shell-type Supernova Remnant RX J0046.5âˆ“7308 in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2019, 881, 85.	4.5	14
38	Revised Description of Dust Diffusion and a New Instability Creating Multiple Rings in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 881, 53.	4.5	44
39	FOREST Unbiased Galactic Plane Imaging Survey with the Nobeyama 45â€m telescope (FUGIN). V. Dense gas mass fraction of molecular gas in the Galactic plane. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	2.5	24
40	A centrally concentrated sub-solar-mass starless core in the Taurus L1495 filamentary complex. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	2.5	11
41	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
42	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>ï¸</i> Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
43	An Origin for the Angular Momentum of Molecular Cloud Cores: A Prediction from Filament Fragmentation. <i>Astrophysical Journal</i> , 2019, 881, 11.	4.5	17
44	Constraints on the formation of brown dwarfs by turbulent compression. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2644-2649.	4.4	1
45	The Generalized Nonlinear Ohm's Law: How a Strong Electric Field Influences Nonideal MHD Effects in Dusty Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 878, 133.	4.5	3
46	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
47	ALMA CO Observations of Supernova Remnant N63A in the Large Magellanic Cloud: Discovery of Dense Molecular Clouds Embedded within Shock-ionized and Photoionized Nebulae. <i>Astrophysical Journal</i> , 2019, 873, 40.	4.5	14
48	Possible Evidence for Cosmic-Ray Acceleration in the Type Ia SNR RCW 86: Spatial Correlation between TeV Gamma-Rays and Interstellar Atomic Protons. <i>Astrophysical Journal</i> , 2019, 876, 37.	4.5	18
49	Collisional elongation: Possible origin of extremely elongated shape of 11/â€Oumuamua. <i>Icarus</i> , 2019, 328, 14-22.	2.5	11
50	The Role of Magnetic Field in Molecular Cloud Formation and Evolution. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	129
51	The Early Stage of Molecular Cloud Formation by Compression of Two-phase Atomic Gases. <i>Astrophysical Journal</i> , 2019, 873, 6.	4.5	12
52	The Exchange of Mass and Angular Momentum in the Impact Event of Ice Giant Planets: Implications for the Origin of Uranus. <i>Astronomical Journal</i> , 2019, 157, 13.	4.7	15
53	The diverse lives of massive protoplanets in self-gravitating discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3110-3135.	4.4	16
54	The formation of massive molecular filaments and massive stars triggered by a magnetohydrodynamic shock wave. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	68

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55	Does Misalignment between Magnetic Field and Angular Momentum Enhance or Suppress Circumstellar Disk Formation?. <i>Astrophysical Journal</i> , 2018, 868, 22.	4.5	28
56	Radiation-hydrodynamic Simulations of Spherical Protostellar Collapse for Very Low-mass Objects. <i>Astrophysical Journal</i> , 2018, 869, 179.	4.5	5
57	ALMA Reveals a Misaligned Inner Gas Disk inside the Large Cavity of a Transitional Disk. <i>Astrophysical Journal Letters</i> , 2018, 868, L3.	8.3	25
58	Molecular filament formation and filament-cloud interaction: Hints from Nobeyama 45m telescope observations. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	35
59	The impact of non-ideal effects on the circumstellar disk evolution and their observational signatures. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 116-116.	0.0	0
60	Toward understanding the origin of asteroid geometries. <i>Astronomy and Astrophysics</i> , 2018, 620, A167.	5.1	18
61	Star formation induced by cloud-cloud collisions and galactic giant molecular cloud evolution. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	15
62	A First Look at BISTRO Observations of the ρ Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
63	Properties of an accretion disc with a power-law stress-pressure relationship. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5170-5179.	4.4	2
64	Differences in the Gas and Dust Distribution in the Transitional Disk of a Sun-like Young Star, PDS 70. <i>Astrophysical Journal</i> , 2018, 858, 112.	4.5	42
65	Warm CO Gas Generated by Possible Turbulent Shocks in a Low-mass Star-forming Dense Core in Taurus. <i>Astrophysical Journal</i> , 2018, 862, 8.	4.5	25
66	A Fast and Accurate Method of Radiation Hydrodynamics Calculation in Spherical Symmetry. <i>Astronomical Journal</i> , 2018, 155, 253.	4.7	3
67	ALMA Observations of Supernova Remnant N49 in the LMC. I. Discovery of CO Clumps Associated with X-Ray and Radio Continuum Shells. <i>Astrophysical Journal</i> , 2018, 863, 55.	4.5	13
68	The role of magnetic field in the formation and evolution of filamentary molecular clouds. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 100-100.	0.0	0
69	Non-linear development of secular gravitational instability in protoplanetary disks. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	27
70	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
71	Circumstellar Disks and Outflows in Turbulent Molecular Cloud Cores: Possible Formation Mechanism for Misaligned Systems. <i>Astrophysical Journal</i> , 2017, 839, 69.	4.5	49
72	Faint warm debris disks around nearby bright stars explored by AKARI and IRSF. <i>Astronomy and Astrophysics</i> , 2017, 601, A72.	5.1	4

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73	Planet Formation in AB Aurigae: Imaging of the Inner Gaseous Spirals Observed inside the Dust Cavity. <i>Astrophysical Journal</i> , 2017, 840, 32.	4.5	79
74	Evolutionary Description of Giant Molecular Cloud Mass Functions on Galactic Disks. <i>Astrophysical Journal</i> , 2017, 836, 175.	4.5	29
75	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
76	An extension of Godunov SPH II: Application to elastic dynamics. <i>Journal of Computational Physics</i> , 2017, 333, 78-103.	3.8	21
77	Theoretical Models of Protostellar Binary and Multiple Systems with AMR Simulations. <i>Journal of Physics: Conference Series</i> , 2017, 837, 012009.	0.4	1
78	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. <i>Astrophysical Journal</i> , 2017, 849, 43.	4.5	42
79	Electron Heating and Saturation of Self-regulating Magnetorotational Instability in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2017, 849, 86.	4.5	8
80	A Detached Protostellar Disk around a $\sim 0.2 M_{\odot}$ Protostar in a Possible Site of a Multiple Star Formation in a Dynamical Environment in Taurus. <i>Astrophysical Journal</i> , 2017, 849, 101.	4.5	15
81	The impact of the Hall effect during cloud core collapse: Implications for circumstellar disk evolution. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	2.5	57
82	REVEALING A DETAILED MASS DISTRIBUTION OF A HIGH-DENSITY CORE MC27/L1521F IN TAURUS WITH ALMA. <i>Astrophysical Journal</i> , 2016, 826, 26.	4.5	26
83	FORMATION OF H ₂ CLOUDS IN SHOCK-COMPRESSED INTERSTELLAR MEDIUM: PHYSICAL ORIGIN OF ANGULAR CORRELATION BETWEEN FILAMENTARY STRUCTURE AND MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2016, 833, 10.	4.5	41
84	AN ORIGIN OF MULTIPLE RING STRUCTURE AND HIDDEN PLANETS IN HL TAU: A UNIFIED PICTURE BY SECULAR GRAVITATIONAL INSTABILITY. <i>Astronomical Journal</i> , 2016, 152, 184.	4.7	96
85	A revised condition for self-gravitational fragmentation of protoplanetary discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3597-3612.	4.4	74
86	DUST DYNAMICS IN PROTOPLANETARY DISK WINDS DRIVEN BY MAGNETOROTATIONAL TURBULENCE: A MECHANISM FOR FLOATING DUST GRAINS WITH CHARACTERISTIC SIZES. <i>Astrophysical Journal</i> , 2016, 821, 3.	4.5	56
87	STOCHASTIC PARTICLE ACCELERATION IN TURBULENCE GENERATED BY MAGNETOROTATIONAL INSTABILITY. <i>Astrophysical Journal</i> , 2016, 822, 88.	4.5	30
88	The origin of rotation profiles in star-forming clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1390-1399.	4.4	14
89	Conditions for circumstellar disc formation – II. Effects of initial cloud stability and mass accretion rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4246-4267.	4.4	25
90	Atmospheric Electrification in Dusty, Reactive Gases in the Solar System and Beyond. <i>Surveys in Geophysics</i> , 2016, 37, 705-756.	4.6	19

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91	An extension of Godunov SPH: Application to negative pressure media. <i>Journal of Computational Physics</i> , 2016, 308, 171-197.	3.8	15
92	Diffusion of cosmic rays in a multiphase interstellar medium swept-up by a supernova remnant blast wave. <i>Astroparticle Physics</i> , 2016, 73, 1-7.	4.3	10
93	BIMODALITY OF CIRCUMSTELLAR DISK EVOLUTION INDUCED BY THE HALL CURRENT. <i>Astrophysical Journal Letters</i> , 2015, 810, L26.	8.3	116
94	ATMOSPHERIC ESCAPE BY MAGNETICALLY DRIVEN WIND FROM GASEOUS PLANETS. II. EFFECTS OF MAGNETIC DIFFUSION. <i>Astrophysical Journal</i> , 2015, 809, 125.	4.5	4
95	The Formation and Destruction of Molecular Clouds and Galactic Star Formation. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 61-68.	0.0	0
96	ON THE RADIUS ANOMALY OF HOT JUPITERS: REEXAMINATION OF THE POSSIBILITY AND IMPACT OF LAYERED CONVECTION. <i>Astrophysical Journal</i> , 2015, 815, 78.	4.5	22
97	ALMA Observations of a High-density Core in Taurus: Dynamical Gas Interaction at the Possible Site of a Multiple Star Formation. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0
98	The formation and destruction of molecular clouds and galactic star formation. <i>Astronomy and Astrophysics</i> , 2015, 580, A49.	5.1	160
99	DEVELOPMENT OF A METHOD FOR THE OBSERVATION OF LIGHTNING IN PROTOPLANETARY DISKS USING ION LINES. <i>Astrophysical Journal</i> , 2015, 815, 84.	4.5	6
100	Effects of Ohmic and ambipolar diffusion on formation and evolution of first cores, protostars, and circumstellar discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 278-288.	4.4	102
101	Significant gas-to-dust ratio asymmetry and variation in the disk of HD 142527 and the indication of gas depletion. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	2.5	35
102	THE NONLINEAR OHM'S LAW: PLASMA HEATING BY STRONG ELECTRIC FIELDS AND ITS EFFECTS ON THE IONIZATION BALANCE IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2015, 800, 47.	4.5	19
103	A DETAILED STUDY OF NON-THERMAL X-RAY PROPERTIES AND INTERSTELLAR GAS TOWARD THE $\hat{\gamma}$ -RAY SUPERNOVA REMNANT RX J1713.7-3946. <i>Astrophysical Journal</i> , 2015, 799, 175.	4.5	42
104	An origin of arc structures deeply embedded in dense molecular cloud cores. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 449, L123-L127.	3.3	23
105	Effects of radiative transfer on the structure of self-gravitating discs, their fragmentation and the evolution of the fragments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 1175-1190.	4.4	57
106	EXTREMELY BRIGHT SUBMILLIMETER GALAXIES BEYOND THE LUPUS-I STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2015, 808, 121.	4.5	2
107	Formation of terrestrial planets in disks evolving via disk winds and implications for the origin of the solar system's terrestrial planets. <i>Astronomy and Astrophysics</i> , 2015, 579, A65.	5.1	26
108	Conditions for circumstellar disc formation: effects of initial cloud configuration and sink treatment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2278-2306.	4.4	95

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109	TWO-COMPONENT SECULAR GRAVITATIONAL INSTABILITY IN A PROTOPLANETARY DISK: A POSSIBLE MECHANISM FOR CREATING RING-LIKE STRUCTURES. <i>Astrophysical Journal</i> , 2014, 794, 55.	4.5	151
110	SELF-SUSTAINED TURBULENCE WITHOUT DYNAMICAL FORCING: A TWO-DIMENSIONAL STUDY OF A BISTABLE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2014, 784, 115.	4.5	16
111	ALMA OBSERVATIONS OF A HIGH-DENSITY CORE IN TAURUS: DYNAMICAL GAS INTERACTION AT THE POSSIBLE SITE OF A MULTIPLE STAR FORMATION. <i>Astrophysical Journal Letters</i> , 2014, 789, L4.	8.3	47
112	A STATISTICAL ANALYSIS OF SEEDS AND OTHER HIGH-CONTRAST EXOPLANET SURVEYS: MASSIVE PLANETS OR LOW-MASS BROWN DWARFS?. <i>Astrophysical Journal</i> , 2014, 794, 159.	4.5	124
113	ATMOSPHERIC ESCAPE BY MAGNETICALLY DRIVEN WIND FROM GASEOUS PLANETS. <i>Astrophysical Journal</i> , 2014, 792, 18.	4.5	38
114	MAGNETOHYDRODYNAMIC SIMULATIONS OF GLOBAL ACCRETION DISKS WITH VERTICAL MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2014, 784, 121.	4.5	96
115	ON THE VIABILITY OF THE MAGNETOROTATIONAL INSTABILITY IN CIRCUMPLANETARY DISKS. <i>Astrophysical Journal</i> , 2014, 785, 101.	4.5	62
116	Dynamical Model Based on Hydrodynamics for Relativistic Heavy-Ion Collisions. , 2014, , .		0
117	Local Enhancement of the Surface Density in the Protoplanetary Ring Surrounding HD 142527. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	2.5	129
118	An explicit scheme for ohmic dissipation with smoothed particle magnetohydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2593-2599.	4.4	22
119	A SEMI-ANALYTICAL DESCRIPTION FOR THE FORMATION AND GRAVITATIONAL EVOLUTION OF PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2013, 770, 71.	4.5	43
120	NON-THERMAL X-RAYS AND INTERSTELLAR GAS TOWARD THE $\hat{1}^3$ -RAY SUPERNOVA REMNANT RX J1713.7 \hat{a} \hat{c} 3946: EVIDENCE FOR X-RAY ENHANCEMENT AROUND CO AND H I CLUMPS. <i>Astrophysical Journal</i> , 2013, 778, 59.	4.5	45
121	Formation, orbital and thermal evolution, and survival of planetary-mass clumps in the early phase of circumstellar disc evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1667-1673.	4.4	36
122	Stability properties of phase transition layers in the diffuse ISM revisited. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 611-611.	0.0	0
123	Cosmic-ray acceleration at young and middle-aged supernova remnants interacting with interstellar clouds. , 2012, , .		0
124	An efficient dissipation mechanism of magnetic field by turbulence. , 2012, , .		0
125	Present-day star formation: From molecular cloud cores to protostars and protoplanetary disks. <i>Progress of Theoretical and Experimental Physics</i> , 2012, 2012, .	6.6	45
126	A DETAILED STUDY OF THE MOLECULAR AND ATOMIC GAS TOWARD THE $\hat{1}^3$ -RAY SUPERNOVA REMNANT RX J1713.7 \hat{a} \hat{c} 3946: SPATIAL TeV $\hat{1}^3$ -RAY AND INTERSTELLAR MEDIUM GAS CORRESPONDENCE. <i>Astrophysical Journal</i> , 2012, 746, 82.	4.5	124

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127	INTERDEPENDENCE OF ELECTRIC DISCHARGE AND MAGNETOROTATIONAL INSTABILITY IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2012, 760, 56.	4.5	37
128	TOWARD UNDERSTANDING THE COSMIC-RAY ACCELERATION AT YOUNG SUPERNOVA REMNANTS INTERACTING WITH INTERSTELLAR CLOUDS: POSSIBLE APPLICATIONS TO RX J1713.7â€“3946. <i>Astrophysical Journal</i> , 2012, 744, 71.	4.5	192
129	FORMATION OF TURBULENT AND MAGNETIZED MOLECULAR CLOUDS VIA ACCRETION FLOWS OF H I CLOUDS. <i>Astrophysical Journal</i> , 2012, 759, 35.	4.5	123
130	SECULAR GRAVITATIONAL INSTABILITY OF A DUST LAYER IN SHEAR TURBULENCE. <i>Astrophysical Journal</i> , 2012, 746, 35.	4.5	27
131	Structure of dynamical condensation fronts in the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3638-3645.	4.4	7
132	DISCOVERY OF SMALL-SCALE SPIRAL STRUCTURES IN THE DISK OF SAO 206462 (HD 135344B): IMPLICATIONS FOR THE PHYSICAL STATE OF THE DISK FROM SPIRAL DENSITY WAVE THEORY. <i>Astrophysical Journal Letters</i> , 2012, 748, L22.	8.3	309
133	GRAVITATIONAL FRAGMENTATION OF EXPANDING SHELLS. II. THREE-DIMENSIONAL SIMULATIONS. <i>Astrophysical Journal</i> , 2011, 733, 17.	4.5	12
134	GRAVITATIONAL FRAGMENTATION OF EXPANDING SHELLS. I. LINEAR ANALYSIS. <i>Astrophysical Journal</i> , 2011, 733, 16.	4.5	12
135	DIRECT IMAGING OF FINE STRUCTURES IN GIANT PLANET-FORMING REGIONS OF THE PROTOPLANETARY DISK AROUND AB AURIGAE. <i>Astrophysical Journal Letters</i> , 2011, 729, L17.	8.3	205
136	Smoothed particle magnetohydrodynamics with a Riemann solver and the method of characteristics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1668-1688.	4.4	43
137	RECURRENT PLANET FORMATION AND INTERMITTENT PROTOSTELLAR OUTFLOWS INDUCED BY EPISODIC MASS ACCRETION. <i>Astrophysical Journal</i> , 2011, 729, 42.	4.5	127
138	Effect of Magnetic Braking on Circumstellar Disk Formation in a Strongly Magnetized Cloud. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, 555-573.	2.5	128
139	PROTOPLANETARY DISK WINDS VIA MAGNETOROTATIONAL INSTABILITY: FORMATION OF AN INNER HOLE AND A CRUCIAL ASSIST FOR PLANET FORMATION. <i>Astrophysical Journal</i> , 2010, 718, 1289-1304.	4.5	151
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