Jungyeon Cho

List of Publications by Year
in descending order

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80	4,883	109321	91884
papers	citations	35 h-index	69 g-index

81	81	81	2497
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. Astrophysical Journal, 2022, 926, 163.	4.5	16
2	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
3	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. Astrophysical Journal Letters, 2021, 912, L27.	8.3	21
4	TRAO Survey of the Nearby Filamentary Molecular Clouds, the Universal Nursery of Stars (TRAO) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.5	9
5	TIMES. I. A Systematic Observation in Multiple Molecular Lines toward the Orion A and Ophiuchus Clouds. Astrophysical Journal, Supplement Series, 2021, 256, 16.	7.7	6
6	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
7	Turbulent Properties in Star-forming Molecular Clouds Down to the Sonic Scale. II. Investigating the Relation between Turbulence and Star-forming Environments in Molecular Clouds. Astrophysical Journal, 2021, 921, 31.	4.5	4
8	Generation of Solenoidal Modes and Magnetic Fields in Turbulence Driven by Compressive Driving. Astrophysical Journal, 2020, 893, 75.	4.5	8
9	Studying the Local Magnetic Field and Anisotropy of Magnetic Turbulence by Synchrotron Polarization Derivative. Astrophysical Journal, 2020, 895, 20.	4.5	11
10	Physical Model of Dust Polarization by Radiative Torque Alignment and Disruption and Implications for Grain Internal Structures. Astrophysical Journal, 2020, 896, 44.	4.5	32
11	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
12	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
13	Anisotropic Structure of Synchrotron Polarization. Astrophysical Journal, 2019, 877, 108.	4.5	10
14	Effects of Turbulence Driving and Sonic Mach Number on the Davisâ€“Chandrasekharâ€“Fermi Method. Astrophysical Journal, 2019, 880, 137.	4.5	8
15	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ï Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
16	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
17	A Technique for Removing Large-scale Variations in Regularly and Irregularly Spaced Data. Astrophysical Journal, 2019, 874, 75.	4.5	11
18	Inflow Motions Associated with High-mass Protostellar Objects. Astrophysical Journal, Supplement Series, 2018, 235, 31.	7.7	8

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19	Alignment of Irregular Grains by Mechanical Torques. Astrophysical Journal, 2018, 852, 129.	4.5	63
20	Statistical Tracing of Magnetic Fields: Comparing and Improving the Techniques. Astrophysical Journal, 2018, 865, 54.	4.5	26
21	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
22	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
23	Near-infrared Polarimetry of the Outflow Source AFGL 6366S: Detection of Circular Polarization. Astronomical Journal, 2018, 156, 1.	4.7	10
24	Spinup and Disruption of Interstellar Asteroids by Mechanical Torques, and Implications for 1I/2017 U1 (â€˜Oumuamua). Astrophysical Journal, 2018, 860, 42.	4.5	16
25	Synchrotron Intensity Gradients as Tracers of Interstellar Magnetic Fields. Astrophysical Journal, 2017, 842, 30.	4.5	37
26	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
27	The JCMT Transient Survey: Detection of Submillimeter Variability in a Class I Protostar EC 53 in Serpens Main. Astrophysical Journal, 2017, 849, 69.	4.5	36
28	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. Astrophysical Journal, 2017, 846, 122.	4.5	103
29	Precessing Jet and Large Dust Grains in the V380 Ori NE Star-forming Region. Astrophysical Journal, Supplement Series, 2017, 232, 24.	7.7	11
30	Effects of driving scale on astrophysical turbulence and a modified Chandrasekhar-Fermi method. Journal of Physics: Conference Series, 2017, 837, 012002.	0.4	0
31	POLARIMETRIC STUDIES OF MAGNETIC TURBULENCE WITH AN INTERFEROMETER. Astrophysical Journal, 2016, 831, 77.	4.5	22
32	Forward and Inverse Cascades in EMHD Turbulence. Journal of Physics: Conference Series, 2016, 719, 012001.	0.4	1
33	DENSITY-MAGNETIC FIELD CORRELATION IN MAGNETOHYDRODYNAMIC TURBULENCE DRIVEN BY DIFFERENT DRIVING SCHEMES WITH DIFFERENT CORRELATION TIMES. Astrophysical Journal, 2016, 831, 85.	4.5	13
34	STUDYING MAGNETOHYDRODYNAMIC TURBULENCE WITH SYNCHROTRON POLARIZATION DISPERSION. Astrophysical Journal, 2016, 825, 154.	4.5	22
35	Spectral evolution of helical electron magnetohydrodynamic turbulence. Journal of Geophysical Research: Space Physics, 2016, 121, 6157-6167.	2.4	7
36	A TECHNIQUE FOR CONSTRAINING THE DRIVING SCALE OF TURBULENCE AND A MODIFIED CHANDRASEKHARâ€“FERMI METHOD. Astrophysical Journal, 2016, 821, 21.	4.5	36

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37	INVERSE CASCADE IN IMBALANCED ELECTRON MAGNETOHYDRODYNAMIC TURBULENCE. Astrophysical Journal, 2015, 801, 75.	4.5	16
38	Properties of balanced and imbalanced relativistic alfvÃ©nic magnetohydrodynamic turbulence. Journal of the Korean Physical Society, 2014, 65, 871-875.	0.7	6
39	EFFECTS OF MULTIPLE-SCALE DRIVING ON TURBULENCE STATISTICS. Astrophysical Journal, 2014, 780, 99.	4.5	19
40	ORIGIN OF MAGNETIC FIELD IN THE INTRACLUSTER MEDIUM: PRIMORDIAL OR ASTROPHYSICAL?. Astrophysical Journal, 2014, 797, 133.	4.5	30
41	IMBALANCED RELATIVISTIC FORCE-FREE MAGNETOHYDRODYNAMIC TURBULENCE. Astrophysical Journal, 2014, 780, 30.	4.5	25
42	Fast diffusion of magnetic field in turbulence and origin of cosmic magnetism. Physical Review D, 2013, 87, .	4.7	2
43	GROWTH OF A LOCALIZED SEED MAGNETIC FIELD IN A TURBULENT MEDIUM. Astrophysical Journal, 2012, 759, 91.	4.5	7
44	A TECHNIQUE FOR FOREGROUND SUBTRACTION IN REDSHIFTED 21 cm OBSERVATIONS. Astrophysical Journal, 2012, 749, 164.	4.5	19
45	Interaction of Wave Packets in MHD and EMHD Turbulence. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 171-176.	0.3	0
46	Magnetic Helicity Conservation and Inverse Energy Cascade in Electron Magnetohydrodynamic Wave Packets. Physical Review Letters, 2011, 106, 191104.	7.8	29
47	NON-LOCALITY OF HYDRODYNAMIC AND MAGNETOHYDRODYNAMIC TURBULENCE. Astrophysical Journal, 2010, 725, 1786-1791.	4.5	16
48	GALACTIC FOREGROUNDS: SPATIAL FLUCTUATIONS AND A PROCEDURE FOR REMOVAL. Astrophysical Journal, 2010, 720, 1181-1201.	4.5	27
49	STRINGENT LIMITS ON THE POLARIZED SUBMILLIMETER EMISSION FROM PROTOPLANETARY DISKS. Astrophysical Journal, 2009, 704, 1204-1217.	4.5	44
50	SIMULATIONS OF ELECTRON MAGNETOHYDRODYNAMIC TURBULENCE. Astrophysical Journal, 2009, 701, 236-252.	4.5	115
51	GROWTH OF MAGNETIC FIELDS INDUCED BY TURBULENT MOTIONS. Astrophysical Journal, 2009, 693, 1449-1461.	4.5	113
52	ESTIMATION OF MAGNETIC FIELD STRENGTH IN THE TURBULENT WARM IONIZED MEDIUM. Astrophysical Journal, 2009, 705, L86-L89.	4.5	14
53	INTERNAL EXTINCTION IN THE SLOAN DIGITAL SKY SURVEY LATE-TYPE GALAXIES. Astrophysical Journal, 2009, 693, 1045-1055.	4.5	14
54	CHARACTERISTIC LENGTHS OF MAGNETIC FIELD IN MAGNETOHYDRODYNAMIC TURBULENCE. Astrophysical Journal, 2009, 705, L90-L94.	4.5	63

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55	Turbulence and Magnetic Fields in the Large-Scale Structure of the Universe. Science, 2008, 320, 909-912.	12.6	354
56	Propagation of Ultraâ€“Highâ€Energy Protons through the Magnetized Cosmic Web. Astrophysical Journal, 2008, 682, 29-38.	4.5	64
57	Grain Alignment and Polarized Emission from Magnetized T Tauri Disks. Astrophysical Journal, 2007, 669, 1085-1097.	4.5	78
58	Particle Acceleration by Magnetohydrodynamic Turbulence. Astrophysical Journal, 2006, 638, 811-826.	4.5	64
59	Magnetohydrodynamic Turbulent Mixing Layers: Equilibrium Cooling Models. Astrophysical Journal, 2006, 648, 1043-1051.	4.5	28
60	Grain Alignment by Radiation in Dark Clouds and Cores. Astrophysical Journal, 2005, 631, 361-370.	4.5	82
61	Simulations of Relativistic Forceâ€free Magnetohydrodynamic Turbulence. Astrophysical Journal, 2005, 621, 324-327.	4.5	44
62	Scaling, Intermittency and Decay of MHD Turbulence. Physica Scripta, 2005, , 32.	2.5	10
63	Generation of compressible modes in MHD turbulence. Theoretical and Computational Fluid Dynamics, 2005, 19, 127-157.	2.2	45
64	The Anisotropy of Electron Magnetohydrodynamic Turbulence. Astrophysical Journal, 2004, 615, L41-L44.	4.5	170
65	Magnetic Field Structure and Stochastic Reconnection in a Partially Ionized Gas. Astrophysical Journal, 2004, 603, 180-197.	4.5	167
66	THERMAL CONDUCTION IN MAGNETIZED TURBULENT GAS. Journal of the Korean Astronomical Society, 2004, 37, 557-562.	1.5	10
67	Angular spectra of polarized Galactic foregrounds. New Astronomy Reviews, 2003, 47, 1143-1149.	12.8	6
68	Compressible magnetohydrodynamic turbulence: mode coupling, scaling relations, anisotropy, viscosity-damped regime and astrophysical implications. Monthly Notices of the Royal Astronomical Society, 2003, 345, 325-339.	4.4	449
69	MHD Turbulence: Scaling Laws and Astrophysical Implications. Lecture Notes in Physics, 2003, , 56-98.	0.7	67
70	Ordinary and Viscosityâ€damped Magnetohydrodynamic Turbulence. Astrophysical Journal, 2003, 595, 812-823.	4.5	65
71	The Radioâ€“FIR Correlation: Is MHD Turbulence the Cause?. Publications of the Astronomical Society of Australia, 2003, 20, 252-256.	3.4	28
72	Thermal Conduction in Magnetized Turbulent Gas. Astrophysical Journal, 2003, 589, L77-L80.	4.5	81

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73	Problems and Progress in Astrophysical Dynamos. , 2003, , 376-401.		25
74	Compressible Sub-AlfvÃ©nic MHD Turbulence in Low-Î²Plasmas. Physical Review Letters, 2002, 88, 245001.	7.8	275
75	Simulations of Magnetohydrodynamic Turbulence in a Strongly Magnetized Medium. Astrophysical Journal, 2002, 564, 291-301.	4.5	374
76	New Regime of Magnetohydrodynamic Turbulence: Cascade below the Viscous Cutoff. Astrophysical Journal, 2002, 566, L49-L52.	4.5	88
77	Magnetohydrodynamic Turbulence as a Foreground for Cosmic Microwave Background Studies. Astrophysical Journal, 2002, 575, L63-L66.	4.5	36
78	Magnetic Helicity Conservation and Astrophysical Dynamos. Astrophysical Journal, 2001, 550, 752-760.	4.5	198
79	The Anisotropy of Magnetohydrodynamic Alfvenic Turbulence. Astrophysical Journal, 2000, 539, 273-282.	4.5	505
80	The Generation of Magnetic Fields through Driven Turbulence. Astrophysical Journal, 2000, 538, 217-225.	4.5	103