

Hyeseung Lee

List of Publications by Year in descending order

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19
papers

491
citations

687363

13
h-index

839539

18
g-index

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all docs

19
docs citations

19
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotational disruption of dust grains by radiative torques in strong radiation fields. <i>Nature Astronomy</i> , 2019, 3, 766-775.	10.1	78
2	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
3	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
4	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
5	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
6	Synchrotron Intensity Gradients as Tracers of Interstellar Magnetic Fields. <i>Astrophysical Journal</i> , 2017, 842, 30.	4.5	37
7	Grain Alignment and Disruption by Radiative Torques in Dense Molecular Clouds and Implication for Polarization Holes. <i>Astrophysical Journal</i> , 2021, 908, 218.	4.5	32
8	Physical Model of Dust Polarization by Radiative Torque Alignment and Disruption and Implications for Grain Internal Structures. <i>Astrophysical Journal</i> , 2020, 896, 44.	4.5	32
9	POLARIMETRIC STUDIES OF MAGNETIC TURBULENCE WITH AN INTERFEROMETER. <i>Astrophysical Journal</i> , 2016, 831, 77.	4.5	22
10	STUDYING MAGNETOHYDRODYNAMIC TURBULENCE WITH SYNCHROTRON POLARIZATION DISPERSION. <i>Astrophysical Journal</i> , 2016, 825, 154.	4.5	22
11	Observations of Magnetic Fields Surrounding LkH α 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
12	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
13	Understanding Polarized Dust Emission from ρ -Ophiuchi A in Light of Grain Alignment and Disruption by Radiative Torques. <i>Astrophysical Journal</i> , 2021, 906, 115.	4.5	15
14	The JCMT BISTRO Survey: An 850/450 μ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
15	SOFIA Observations of 30 Doradus. I. Far-infrared Dust Polarization and Implications for Grain Alignment and Disruption by Radiative Torques. <i>Astrophysical Journal</i> , 2021, 923, 130.	4.5	11
16	Anisotropic Structure of Synchrotron Polarization. <i>Astrophysical Journal</i> , 2019, 877, 108.	4.5	10
17	Rotational Disruption of Dust Grains by Mechanical Torques for High-velocity Gas-Grain Collisions. <i>Astrophysical Journal</i> , 2020, 896, 144.	4.5	9
18	Observational Evidence for Rotational Desorption of Complex Molecules by Radiative Torques from Orion BN/KL. <i>Astrophysical Journal</i> , 2021, 908, 159.	4.5	7

#	ARTICLE	IF	CITATIONS
19	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.	4.5	1