

Jeong-Gyu Kim

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

649
citations

687363

13
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940533

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times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling UV Radiation Feedback from Massive Stars. II. Dispersal of Star-forming Giant Molecular Clouds by Photoionization and Radiation Pressure. <i>Astrophysical Journal</i> , 2018, 859, 68.	4.5	151
2	DISRUPTION OF MOLECULAR CLOUDS BY EXPANSION OF DUSTY H II REGIONS. <i>Astrophysical Journal</i> , 2016, 819, 137.	4.5	63
3	Star Formation Efficiency and Dispersal of Giant Molecular Clouds with UV Radiation Feedback: Dependence on Gravitational Boundedness and Magnetic Fields. <i>Astrophysical Journal</i> , 2021, 911, 128.	4.5	63
4	Efficiently Cooled Stellar Wind Bubbles in Turbulent Clouds. I. Fractal Theory and Application to Star-forming Clouds. <i>Astrophysical Journal</i> , 2021, 914, 89.	4.5	62
5	The Environmental Dependence of the X_{CO} Conversion Factor. <i>Astrophysical Journal</i> , 2020, 903, 142.	4.5	47
6	Modeling UV Radiation Feedback from Massive Stars. I. Implementation of Adaptive Ray-tracing Method and Tests. <i>Astrophysical Journal</i> , 2017, 851, 93.	4.5	43
7	Efficiently Cooled Stellar Wind Bubbles in Turbulent Clouds. II. Validation of Theory with Hydrodynamic Simulations. <i>Astrophysical Journal</i> , 2021, 914, 90.	4.5	43
8	NATURE OF THE WIGGLE INSTABILITY OF GALACTIC SPIRAL SHOCKS. <i>Astrophysical Journal</i> , 2014, 789, 68.	4.5	42
9	Modeling UV Radiation Feedback from Massive Stars. III. Escape of Radiation from Star-forming Giant Molecular Clouds. <i>Astrophysical Journal</i> , 2019, 883, 102.	4.5	37
10	Diffuse Ionized Gas in Simulations of Multiphase, Star-forming Galactic Disks. <i>Astrophysical Journal</i> , 2020, 897, 143.	4.5	24
11	Star Formation Regulation and Self-pollution by Stellar Wind Feedback. <i>Astrophysical Journal Letters</i> , 2021, 922, L3.	8.3	20
12	INSTABILITY OF EVAPORATION FRONTS IN THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2013, 779, 48.	4.5	14
13	Slow Star Formation in the Milky Way: Theory Meets Observations. <i>Astrophysical Journal Letters</i> , 2022, 929, L18.	8.3	13
14	GRAVITATIONAL INSTABILITY OF ROTATING, PRESSURE-CONFINED, POLYTROPIC GAS DISKS WITH VERTICAL STRATIFICATION. <i>Astrophysical Journal</i> , 2012, 761, 131.	4.5	12
15	Factories of CO-dark gas: molecular clouds with limited star formation efficiencies by far-ultraviolet feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5061-5075.	4.4	8
16	INSTABILITY OF MAGNETIZED IONIZATION FRONTS SURROUNDING H II REGIONS. <i>Astrophysical Journal</i> , 2014, 797, 135.	4.5	7