

Kinsuk Acharyya

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

344
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep observations of O ₂ toward a low-mass protostar with <i>Herschel</i> -HIFI. <i>Astronomy and Astrophysics</i> , 2013, 558, A58.	5.1	57
2	BINDING ENERGY OF MOLECULES ON WATER ICE: LABORATORY MEASUREMENTS AND MODELING. <i>Astrophysical Journal</i> , 2016, 825, 89.	4.5	51
3	STICKING OF MOLECULES ON NONPOROUS AMORPHOUS WATER ICE. <i>Astrophysical Journal</i> , 2016, 823, 56.	4.5	48
4	THE EFFECTS OF GRAIN SIZE AND GRAIN GROWTH ON THE CHEMICAL EVOLUTION OF COLD DENSE CLOUDS. <i>Astrophysical Journal</i> , 2011, 732, 73.	4.5	39
5	KINETIC MONTE CARLO STUDIES OF H ₂ FORMATION ON GRAIN SURFACES OVER A WIDE TEMPERATURE RANGE. <i>Astrophysical Journal</i> , 2012, 751, 58.	4.5	32
6	MOLECULAR DEVELOPMENT IN THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2015, 812, 142.	4.5	28
7	Gas-grain Fluorine and Chlorine Chemistry in the Interstellar Medium. <i>Astrophysical Journal</i> , 2017, 850, 105.	4.5	26
8	High Spectral Resolution SOFIA/EXES Observations of C ₂ H ₂ toward Orion IRc2. <i>Astrophysical Journal</i> , 2018, 856, 9.	4.5	15
9	H ₂ FORMATION IN DIFFUSE CLOUDS: A NEW KINETIC MONTE CARLO STUDY. <i>Astrophysical Journal</i> , 2014, 784, 139.	4.5	14
10	Hot Cores in Magellanic Clouds. <i>Astrophysical Journal</i> , 2018, 859, 51.	4.5	12
11	SIMULATIONS OF THE CHEMISTRY IN THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2016, 822, 105.	4.5	11
12	The First Mid-infrared Detection of HNC in the Interstellar Medium: Probing the Extreme Environment toward the Orion Hot Core. <i>Astrophysical Journal</i> , 2021, 907, 51.	4.5	9
13	The Effect of Chemisorption on the Chemical Evolution of Star-forming Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 4.	7.7	1
14	Understanding the impact of diffusion of CO in the astrochemical models. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	1
15	Gas-phase Modeling of the Cometary Coma of Interstellar Comet 2I/Borisov. <i>Astrophysical Journal</i> , 2021, 923, 91.	4.5	0