

Arnab Basak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1932741/publications.pdf>

Version: 2024-02-01

11
papers

130
citations

1478505

6
h-index

1588992

8
g-index

11
all docs

11
docs citations

11
times ranked

82
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive design of rainfall simulator for the assessment of soil erosion in the laboratory. Catena, 2019, 172, 408-420.	5.0	57
2	Rayleigh-B�nard convection with uniform vertical magnetic field. Physical Review E, 2014, 90, 033002.	2.1	20
3	Modeling Star-Planet Interactions in Far-out Planetary and Exoplanetary Systems. Astrophysical Journal, 2019, 877, 80.	4.5	16
4	A model for Rayleigh-B�nard magnetoconvection. European Physical Journal B, 2015, 88, 1.	1.5	11
5	Effects of a small magnetic field on homoclinic bifurcations in a low-Prandtl-number fluid. Chaos, 2016, 26, 123123.	2.5	11
6	Modelling the imposed magnetospheres of Mars-like exoplanets: star-planet interactions and atmospheric losses. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3569-3581.	4.4	9
7	Study of a periodically forced magnetohydrodynamic system using Floquet analysis and nonlinear Galerkin modelling. Nonlinear Dynamics, 2018, 94, 2763-2784.	5.2	3
8	The fate of self-aligned rolls in gravity modulated magnetoconvection. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1466-1472.	2.1	3
9	Study of starspots in fully convective stars using three dimensional MHD simulations. Proceedings of the International Astronomical Union, 2018, 13, 303-304.	0.0	0
10	The activity evolution of Solar-like stars with age and its planetary impact. Proceedings of the International Astronomical Union, 2018, 13, 240-241.	0.0	0
11	Modelling convection-driven dynamo action in low-Prandtl-number fluids. Physica Scripta, 2021, 96, 125201.	2.5	0