

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