

# Deepika Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3395137/publications.pdf>

Version: 2024-02-01

17  
papers

198  
citations

1163117

8  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

51  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence of Strong Shock in a Van der Waals Gas. SIAM Journal on Applied Mathematics, 2006, 66, 1825-1837.	1.8	50
2	Similarity Solutions for Strong Shocks in an Ideal Gas. Studies in Applied Mathematics, 2005, 114, 375-394.	2.4	27
3	SIMILARITY SOLUTIONS FOR STRONG SHOCKS IN A NON-IDEAL GAS. Mathematical Modelling and Analysis, 2012, 17, 351-365.	1.5	22
4	Propagation of strong shock waves in a non-ideal gas. Acta Astronautica, 2019, 159, 96-104.	3.2	13
5	Propagation of shock waves in a non-ideal gas under the action of magnetic field. Mathematical Methods in the Applied Sciences, 2021, 44, 1514-1528.	2.3	11
6	Similarity Solutions for Imploding Shocks in a Non-ideal Magnetogasdynamics. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	10
7	Piston driven converging shock waves in nonideal magnetogasdynamics of variable density. Physics of Fluids, 2021, 33, .	4.0	9
8	Piston driven converging cylindrical shock waves in a non-ideal gas with azimuthal magnetic field. Physics of Fluids, 2020, 32, .	4.0	8
9	Similarity solutions for strong shock waves in magnetogasdynamics under a gravitational field. Ricerche Di Matematica, 2020, , 1.	1.0	8
10	Converging shock waves in a Van der Waals gas of variable density. Quarterly Journal of Mechanics and Applied Mathematics, 2020, 73, 101-118.	1.3	7
11	Similarity solutions for the strong shock waves in magnetogasdynamics with the effect of monochromatic radiation. European Physical Journal Plus, 2020, 135, 1.	2.6	6
12	Similarity solutions of converging shock waves in an ideal relaxing gas with dust particles. European Physical Journal Plus, 2020, 135, 1.	2.6	5
13	Kinematics of spherical shock waves in an interstellar ideal gas clouds with dust particles. Mathematical Methods in the Applied Sciences, 2021, 44, 6282-6300.	2.3	5
14	Blast waves propagation in magnetogasdynamics: power series method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 1039-1050.	1.5	5
15	Convergence of strong shock waves in an ideal gas with dust particles. Physics of Fluids, 2022, 34, 026106.	4.0	5
16	Propagation of cylindrical shock waves in rotational axisymmetric dusty gas with magnetic field: Isothermal flow. Physics of Fluids, 2021, 33, .	4.0	4
17	Lie Symmetry Reductions and Wave Solutions of Coupled Equal Width Wave Equation. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	3