

Maksim Timokhin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

142
citations

1307366

7
h-index

1199470

12
g-index

19
all docs

19
docs citations

19
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Different variants of R13 moment equations applied to the shock-wave structure. <i>Physics of Fluids</i> , 2017, 29, .	1.6	35
2	Study of the shock wave structure by regularized Grad's set of equations. <i>Physics of Fluids</i> , 2015, 27, .	1.6	23
3	Application of moment equations to the mathematical simulation of gas microflows. <i>Computational Mathematics and Mathematical Physics</i> , 2013, 53, 1534-1550.	0.2	13
4	On the total enthalpy behavior inside a shock wave. <i>Physics of Fluids</i> , 2020, 32, .	1.6	12
5	Study of the shock wave structure by regularized Grad's set of equations. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	10
6	The analysis of different variants of R13 equations applied to the shock-wave structure. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	9
7	Shock-wave structure formation by nanosecond discharge in helium. <i>Technical Physics Letters</i> , 2014, 40, 533-536.	0.2	8
8	2D numerical simulation of gas flow interaction with a solid wall by regularized Grad's set of equations. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	6
9	Moment equations and gas-kinetic scheme application to numerical simulation of gas flows in micro scale devices. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	6
10	Shock-wave thickness influence to the light diffraction on a plane shock wave. <i>Physics of Fluids</i> , 2020, 32, .	1.6	5
11	Experimental investigation of the flow dynamics and boundary layer in a shock tube with discharge section based on digital panoramic methods. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
12	Nonequilibrium velocity distribution in steady regular shock-wave reflection. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3
13	Stationary Regular Reflection: Viscous and Rarefaction Effects. , 2017, , 685-689.		2
14	Numerical modeling of nozzle gas flow using continuum approach in transition regime. <i>Journal of Physics: Conference Series</i> , 2018, 1009, 012033.	0.3	2
15	R13 moment equations applied to supersonic flow with solid wall interaction. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
16	Numerical simulations of micro-channel devices with Lattice Boltzmann method. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
17	Local non-equilibrium phase density reconstruction with Grad and Chapman-Enskog methods. <i>Journal of Physics: Conference Series</i> , 2021, 1959, 012049.	0.3	1