

Maksim Timokhin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

100
citations

6
h-index

9
g-index

19
ext. papers

120
ext. citations

2.4
avg, IF

2.57
L-index

#	Paper	IF	Citations
16	Different variants of R13 moment equations applied to the shock-wave structure. <i>Physics of Fluids</i> , 2017 , 29, 037105	4.4	24
15	Study of the shock wave structure by regularized Grad's set of equations. <i>Physics of Fluids</i> , 2015 , 27, 037104	4.4	21
14	Application of moment equations to the mathematical simulation of gas microflows. <i>Computational Mathematics and Mathematical Physics</i> , 2013 , 53, 1534-1550	0.9	11
13	Study of the shock wave structure by regularized Grad's set of equations 2012 ,		8
12	Shock-wave structure formation by nanosecond discharge in helium. <i>Technical Physics Letters</i> , 2014 , 40, 533-536	0.7	7
11	The analysis of different variants of R13 equations applied to the shock-wave structure 2016 ,		6
10	On the total enthalpy behavior inside a shock wave. <i>Physics of Fluids</i> , 2020 , 32, 041703	4.4	6
9	2D numerical simulation of gas flow interaction with a solid wall by regularized Grad's set of equations 2012 ,		5
8	Moment equations and gas-kinetic scheme application to numerical simulation of gas flows in micro scale devices 2014 ,		4
7	Numerical simulations of micro-channel devices with Lattice Boltzmann method 2019 ,		2
6	Shock-wave thickness influence to the light diffraction on a plane shock wave. <i>Physics of Fluids</i> , 2020 , 32, 116103	4.4	2
5	R13 moment equations applied to supersonic flow with solid wall interaction 2019 ,		1
4	Stationary Regular Reflection: Viscous and Rarefaction Effects 2017 , 685-689		1
3	Numerical modeling of nozzle gas flow using continuum approach in transition regime. <i>Journal of Physics: Conference Series</i> , 2018 , 1009, 012033	0.3	1
2	Experimental investigation of the flow dynamics and boundary layer in a shock tube with discharge section based on digital panoramic methods 2018 ,		1
1	Local non-equilibrium phase density reconstruction with Grad and Chapman-Enskog methods. <i>Journal of Physics: Conference Series</i> , 2021 , 1959, 012049	0.3	