

# Maksim Timokhin

## List of Publications by Year in Descending Order

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