

# Mikhail A Kotov

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

52  
citations

2258059

3  
h-index

2053705

5  
g-index

31  
all docs

31  
docs citations

31  
times ranked

25  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance assessment of thermoelectric detector for heat flux measurement behind a reflected shock of low intensity. Applied Thermal Engineering, 2021, 195, 117143.	6.0	11
2	Multiple Flow Regimes in a Single Hypersonic Shock Tube Experiment. , 2014, , .		5
3	Supersonic Air Flows Around Some Geometrical Primitives. , 2015, , .		5
4	The Investigation of Shock-Wave Interaction with Aerodynamic Models. , 2017, , .		4
5	Preliminary experimental assessment of supersonic airflow behavior over ExoMars and Xâ€“43 inlet models using multiple flow regime shock tube. Journal of Physics: Conference Series, 2018, 1009, 012038.	0.4	4
6	Normal Glow Discharge: Comparison of Calculated and Experimental Data. Doklady Physics, 2019, 64, 154-158.	0.7	3
7	Symmetrization and Amplification of Germicidal Radiation Flux Produced by a Mercury Amalgam UV Lamp in Cylindrical Cavity with Diffusely Reflective Walls. Symmetry, 2022, 14, 125.	2.2	3
8	The spectral characteristic investigations of normal glow discharge. Journal of Physics: Conference Series, 2017, 815, 012006.	0.4	2
9	Preliminary experimental results of heat flux surface field registration at the hypersonic aerodynamic shock tube using temperature sensitive paint. Journal of Physics: Conference Series, 2018, 1009, 012036.	0.4	2
10	Aerothermodynamics of the Apollo-4 spacecraft at earth atmosphere conditions with speed more than 10 km/s. Journal of Physics: Conference Series, 2019, 1250, 012012.	0.4	2
11	The functioning of a removable elongated nozzle in the Hypersonic Aerodynamic Shock Tube. Physical-Chemical Kinetics in Gas Dynamics, 2018, 19, 1-19.	0.3	2
12	The Incoming Flow Investigation around Geometric Elements in Hypersonic Shock Tube. , 2016, , .		1
13	Experimental and numerical study of supersonic flow over two blunted wedges. Journal of Physics: Conference Series, 2017, 815, 012025.	0.4	1
14	Experimental Study of the Electrical and Spectroscopic Characteristics of Glow Discharge. , 2017, , .		1
15	Review of experimental work performed at the hypersonic aerodynamic shock tube. AIP Conference Proceedings, 2018, , .	0.4	1
16	Analysis of the high speed gas flow over a sphere in the range of Mach numbers 2â€“12. Journal of Physics: Conference Series, 2018, 1009, 012007.	0.4	1
17	Experimental investigation of the thermal loads upon electrodynamic modification of supersonic flow around axisymmetrical body. IOP Conference Series: Materials Science and Engineering, 2020, 927, 012084.	0.6	1
18	Dynamics of laser plasma convective plume in high pressure xenon. Journal of Physics: Conference Series, 2020, 1675, 012073.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Heat flux measurement at the initial phase of normal shock wave reflection using the sensor on anisotropic thermoelements. Journal of Physics: Conference Series, 2020, 1697, 012225.	0.4	1
20	The analysis of applicability of thermoelectric radiation detectors for heat flux measurements behind a reflected shock wave. Journal of Physics: Conference Series, 2021, 2103, 012218.	0.4	1
21	Experimental Investigation Of An Aerodynamic Flow Of Geometrical Models In Hypersonic Aerodynamic Shock Tube. , 2013, , .		0
22	Experimental Studies of Supersonic Flow Characteristics between Two Wedges. , 2017, , .		0
23	Investigation of gas dynamic parameters of the conical nozzle block functioning in the Hypersonic Aerodynamic Shock Tube. Journal of Physics: Conference Series, 2018, 1009, 012037.	0.4	0
24	Normal glow discharge investigation in inert gases and nitrogen between flat electrodes with 20 mm of discharge gap. Journal of Physics: Conference Series, 2018, 1009, 012021.	0.4	0
25	Gas dynamic process formation in reflected shock tunnels and its validation purposes by hypersonic aerodynamic shock tube example. Journal of Physics: Conference Series, 2019, 1250, 012014.	0.4	0
26	Normal glow discharge in nitrogen and inert gases between flat electrodes with distance of 10 mm. Journal of Physics: Conference Series, 2019, 1250, 012015.	0.4	0
27	Parameters of the air flow formed by the interchangeable nozzles with the transformed critical part. Journal of Physics: Conference Series, 2019, 1250, 012016.	0.4	0
28	Normal Glow Discharge between Flat Electrodes Arranged in the Same Plane. Journal of Physics: Conference Series, 2019, 1250, 012020.	0.4	0
29	On some features of the use of high-speed conical valve for the incident shock wave formation in shock tubes. Physical-Chemical Kinetics in Gas Dynamics, 2019, 20, 1-13.	0.3	0
30	Acoustic resonances in a pressurized discharge volume with xenon and instabilities of periodic-pulse optical discharges. Journal of Physics: Conference Series, 2020, 1698, 012018.	0.4	0