

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

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citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetrization and Amplification of Germicidal Radiation Flux Produced by a Mercury Amalgam UV Lamp in Cylindrical Cavity with Diffusely Reflective Walls. <i>Symmetry</i> , 2022, 14, 125.	2.2	3
2	Performance assessment of thermoelectric detector for heat flux measurement behind a reflected shock of low intensity. <i>Applied Thermal Engineering</i> , 2021, 195, 117143.	6.0	11
3	The analysis of applicability of thermoelectric radiation detectors for heat flux measurements behind a reflected shock wave. <i>Journal of Physics: Conference Series</i> , 2021, 2103, 012218.	0.4	1
4	Experimental investigation of the thermal loads upon electrodynamic modification of supersonic flow around axisymmetrical body. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 927, 012084.	0.6	1
5	Dynamics of laser plasma convective plume in high pressure xenon. <i>Journal of Physics: Conference Series</i> , 2020, 1675, 012073.	0.4	1
6	Heat flux measurement at the initial phase of normal shock wave reflection using the sensor on anisotropic thermoelements. <i>Journal of Physics: Conference Series</i> , 2020, 1697, 012225.	0.4	1
7	Acoustic resonances in a pressurized discharge volume with xenon and instabilities of periodic-pulse optical discharges. <i>Journal of Physics: Conference Series</i> , 2020, 1698, 012018.	0.4	0
8	Aerothermodynamics of the Apollo-4 spacecraft at earth atmosphere conditions with speed more than 10 km/s. <i>Journal of Physics: Conference Series</i> , 2019, 1250, 012012.	0.4	2
9	Gas dynamic process formation in reflected shock tunnels and its validation purposes by hypersonic aerodynamic shock tube example. <i>Journal of Physics: Conference Series</i> , 2019, 1250, 012014.	0.4	0
10	Normal glow discharge in nitrogen and inert gases between flat electrodes with distance of 10 mm. <i>Journal of Physics: Conference Series</i> , 2019, 1250, 012015.	0.4	0
11	Parameters of the air flow formed by the interchangeable nozzles with the transformed critical part. <i>Journal of Physics: Conference Series</i> , 2019, 1250, 012016.	0.4	0
12	Normal Glow Discharge between Flat Electrodes Arranged in the Same Plane. <i>Journal of Physics: Conference Series</i> , 2019, 1250, 012020.	0.4	0
13	Normal Glow Discharge: Comparison of Calculated and Experimental Data. <i>Doklady Physics</i> , 2019, 64, 154-158.	0.7	3
14	On some features of the use of high-speed conical valve for the incident shock wave formation in shock tubes. <i>Physical-Chemical Kinetics in Gas Dynamics</i> , 2019, 20, 1-13.	0.3	0
15	Review of experimental work performed at the hypersonic aerodynamic shock tube. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
16	Preliminary experimental assessment of supersonic airflow behavior over ExoMars and X ⁴³ inlet models using multiple flow regime shock tube. <i>Journal of Physics: Conference Series</i> , 2018, 1009, 012038.	0.4	4
17	Analysis of the high speed gas flow over a sphere in the range of Mach numbers 2–12. <i>Journal of Physics: Conference Series</i> , 2018, 1009, 012007.	0.4	1
18	Investigation of gas dynamic parameters of the conical nozzle block functioning in the Hypersonic Aerodynamic Shock Tube. <i>Journal of Physics: Conference Series</i> , 2018, 1009, 012037.	0.4	0

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	The Investigation of Shock-Wave Interaction with Aerodynamic Models. , 2017, , .		4
23	Experimental and numerical study of supersonic flow over two blunted wedges. Journal of Physics: Conference Series, 2017, 815, 012025.	0.4	1
24	Experimental Studies of Supersonic Flow Characteristics between Two Wedges. , 2017, , .		0
25	Experimental Study of the Electrical and Spectroscopic Characteristics of Glow Discharge. , 2017, , .		1
26	The spectral characteristic investigations of normal glow discharge. Journal of Physics: Conference Series, 2017, 815, 012006.	0.4	2
27	The Incoming Flow Investigation around Geometric Elements in Hypersonic Shock Tube. , 2016, , .		1
28	Supersonic Air Flows Around Some Geometrical Primitives. , 2015, , .		5
29	Multiple Flow Regimes in a Single Hypersonic Shock Tube Experiment. , 2014, , .		5
30	Experimental Investigation Of An Aerodynamic Flow Of Geometrical Models In Hypersonic Aerodynamic Shock Tube. , 2013, , .		0