Ivan A Shirokov

List of Publications by Year
in descending order

29	80	1684188 5	1474206 9
papers	citations	h-index	g-index

29	29	29	55
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical study of the aerodynamic characteristics of a triangular wing at different angles of attack and large Mach numbers. Keldysh Institute Preprints, 2021, , 1-24.	0.2	0
2	Computational Experiment in the Problem of Supersonic Flow around a Blunt Body with Tail Expansion. Mathematical Models and Computer Simulations, 2020, 12, 433-444.	0.5	0
3	Statistical properties of the eikonal fluctuations of normal waves at inclined reflection from magnetically ionosphere. , 2020, , .		0
4	Spatial autocorrelation of the group path of a signal at inclined reflection from magnetically ionosphere. , 2019, , .		0
5	Artificial Dissipation Coefficients in Regularized Equations of Supersonic Aerodynamics. Doklady Mathematics, 2018, 98, 648-651.	0.6	6
6	Spatial Autocorrelation of the Level of Radio Signal Amplitude at Oblique Propagation in the Ionosphere. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537	0.4	1
7	Fluctuations of the eikonal of an extraordinary wave reflected from the inhomogeneous ionospheric plasma. , 2018, , .		2
8	Application of Quasi-Gas Dynamic Equations to Numerical Simulation of Near-Wall Turbulent Flows. Computational Mathematics and Modeling, 2017, 28, 37-59.	0.5	3
9	Dispersion and spatial autocorrelation of the phase and group signal paths in a randomly inhomogeneous medium with regular refraction. Proceedings of SPIE, 2016, , .	0.8	1
10	Influence of regular refraction on the statistical properties of the fluctuations of the amplitude level of wave in random-inhomogeneous medium. Proceedings of SPIE, 2015, , .	0.8	0
11	Direct Simulation of Laminarâ€“Turbulent Transition in a Viscous Compressible Gas Layer. Computational Mathematics and Modeling, 2014, 25, 27-48.	0.5	0
12	Simulation of laminarâ€“turbulent transition in compressible Taylorâ€“Green flow basing on quasi-gas dynamic equations. Journal of Turbulence, 2014, 15, 707-730.	1.4	20
13	Statistical properties of the beam horizontal shifts at oblique reflection from a layer with random dielectric permittivity inhomogeneities. Proceedings of SPIE, 2014, , .	0.8	0
14	Algorithms for processing scratch images in the sclerometry method. Physics of the Solid State, 2013, 55, 1681-1689.	0.6	9
15	Performance of Multi-cores and Multiprocessor Computers for Some 3D Problems of Nonlinear Optics and Gaseous Dynamics. Springer Proceedings in Mathematics and Statistics, 2013, , 91-112.	0.2	0
16	Numerical simulation of a nonstationary flow in the vicinity of a hypersonic vehicle. Mathematical Models and Computer Simulations, 2012, 4, 410-418.	0.5	2
17	Automatic computation of the geometrical characteristics of a surface modified by a scanning nanohardness tester. Technical Physics, 2010, 55, 1771-1775.	0.7	5
18	Fluctuations of the wave amplitude level in a plane-layered medium with random irregularities. Journal of Communications Technology and Electronics, 2010, 55, 870-875.	0.5	5

#	Article	IF	Citations
19	Computer simulation of expansion of a carbon laser plasma after ablation in nitrogen atmosphere. Technical Physics, 2009, 54, 974-980.	0.7	2
20	Designing a digital-signal-processing extension for multipurpose microprocessors. Journal of Mathematical Sciences, 2008, 152, 247-262.	0.4	0
21	Computer simulation of graphite target ablation under the action of a nanosecond laser pulse. Technical Physics, 2008, 53, 154-159.	0.7	1
22	Computer simulation of perturbation of a shock wave in nitrogen by optical radiation. Technical Physics, 2008, 53, 408-414.	0.7	0
23	Numerical modeling of two-layer thermocapillary convection in a cylinder. Differential Equations, 2007, 43, 959-963.	0.7	1
24	Calcul de l'Ã©coulement visqueux compressible d'un gaz dans un microcanal. Houille Blanche, 2006, 92, 40-46.	0.3	1
25	Simulating Argon, Helium, and Nitrogen Shock Waves. Computational Mathematics and Modeling, 2005, 16, 336-348.	0.5	2
26	Shock Wave Structure for Argon, Helium, and Nitrogen. AIP Conference Proceedings, 2005, , .	0.4	1
27	Numerical simulation of shock-wave structure for argon and helium. Physics of Fluids, 2005, 17, 068101.	4.0	18
28	Solving Poisson's Equation on a Multiprocessor System in Problems of Incompressible Fluid Flow Simulation. Differential Equations, 2003, 39, 1050-1057.	0.7	0
29	Application of Multiprocessor Systems for Computation of Jets. Computational Mathematics and Modeling, 2002, 13, 151-158.	0.5	0