Dmitri Knyazkov

List of Publications by Year
in descending order

25 papers	81 citations	1937685 4 h-index	1720034 7 g-index
25 all docs	25 docs citations	25 times ranked	15 citing authors

#	Article	IF	Citations
1	Methods of the development and correction of the quality of holographic images of geometry objects with subwave-size elements. Doklady Physics, 2010, 55, 436-440.	0.7	10
2	Spectral properties of combined media. Journal of Mathematical Sciences, 2010, 164, 948-963.	0.4	8
3	Heat Transfer in Cylindrical Bodies Controlled by a Thermoelectric Converter. IFAC-PapersOnLine, 2019, 52, 139-144.	0.9	6
4	On the Existence, Uniqueness, and Stability of Periodic Modes of Motion of a Locomotion System with a Mobile Internal Mass. Journal of Computer and Systems Sciences International, 2020, 59, 129-137.	0.6	6
5	Experimental Validation of a Nonlinear Model for Controlled Thermoelectric Processes in Cylindrical Bodies. , 2019, , .		5
6	Phase-shift at subwavelength holographic lithography (SWHL). Proceedings of SPIE, 2012, , .	0.8	4
7	Simulation of diffraction on a layer using the method of projections. AIP Conference Proceedings, 2017, , .	0.4	4
8	Diffraction of plane wave at 3-dimensional periodic layer. AIP Conference Proceedings, 2018, , .	0.4	4
9	Parameter Optimization of Control with Feedback Linearization for a Model of Thermoelectric Processes in Cylindrical Bodies. , 2019, , .		4
10	A local perturbation method for the approximate calculation of the acoustic wave diffraction with impedance interface conditions. Proceedings of the Steklov Institute of Mathematics, 2016, 295, 168-178.	0.3	3
11	Determining orientation of the aerodynamically adhesive wall climbing robot. , 2017, , .		3
12	Influence of free convection on heat transfer in control problems for a cylindrical body. , 2017, , .		3
13	Web-interface for HPC computation of a plane wave diffraction on a periodic layer. Lobachevskii Journal of Mathematics, 2017, 38, 936-939.	0.9	3
14	On limits of applicability of the homogenization method to modeling of layered creep media. IFAC-PapersOnLine, 2018, 51, 144-149.	0.9	3
15	Periodic Regimes of Motion of a Body with a Moving Internal Mass. , 2019, , .		3
16	FEM Modeling and Parameter Identification of Thermoelectrical Processes in Cylindrical Bodies. , 2019, , .		3
17	Periodic gaits of a locomotion system of interacting bodies. Meccanica, 2022, 57, 1463-1476.	2.0	3
18	Modeling and Identification of Cylindrical Bodies with Free Convection and Peltier Elements as Sources for Active Heating. , 2018, , .		2

#	Article	IF	Citations
19	Optimization of electromagnetic fields in holographic lithography using the method of local variations. Journal of Computer and Systems Sciences International, 2011, 50, 953-963.	0.6	1
20	Analysis of an effect of perturbations in SWHM and illuminating optical scheme parameters on an aerial image. , 2012, , .		1
21	Periodic Regimes of Motion of a Chain of Interacting Bodies in a Medium with Resistance. , 2020, , .		1
22	Motion of Mass Source in Stratified Fluid. Journal of Physics: Conference Series, 2022, 2224, 012038.	0.4	1
23	Simulating diffraction of plane wave on periodic layer with the use of the method of projections. , 2017, , .		0
24	Application of the method of directed orthogonalization to the problem of diffraction on a periodic layer. AIP Conference Proceedings, 2019, , .	0.4	0
25	An Effective Method of Electromagnetic Field Calculation. Lecture Notes in Computer Science, 2013, , 487-494.	1.3	0