

Pavel Krassovitskiy

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

124
citations

1478505

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1372567

10
g-index

22
all docs

22
docs citations

22
times ranked

38
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of resonance tunneling of molecule to physical observables. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 225210.	1.5	23
2	Channeling problem for charged particles produced by confining environment. Physics of Atomic Nuclei, 2009, 72, 768-778.	0.4	14
3	Resonant tunneling of a few-body cluster through repulsive barriers. Physics of Atomic Nuclei, 2014, 77, 389-413.	0.4	13
4	Reduced SIR Model of COVID-19 Pandemic. Computational Mathematics and Mathematical Physics, 2021, 61, 376-387.	0.8	9
5	Quantum scattering by nonspherical objects. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 730-734.	0.6	7
6	Symbolic-Numerical Algorithm for Generating Cluster Eigenfunctions: Tunneling of Clusters through Repulsive Barriers. Lecture Notes in Computer Science, 2013, , 427-442.	1.3	7
7	Interaction of $\hat{1}\pm$ particles with 6Li and 7Li nuclei at low energies. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 885-889.	0.6	6
8	Effect of the shell structure of nuclei on p ^{15}C and p ^{15}N scattering within diffraction theory. Physics of Atomic Nuclei, 2014, 77, 91-99.	0.4	6
9	Metastable states of a composite system tunneling through repulsive barriers. Theoretical and Mathematical Physics(Russian Federation), 2016, 186, 21-40.	0.9	6
10	Interpolation Hermite Polynomials For Finite Element Method. EPJ Web of Conferences, 2018, 173, 03009.	0.3	6
11	Interference effects in proton scattering on ^{15}N nuclei at intermediate energies. Physics of Atomic Nuclei, 2010, 73, 1451-1459.	0.4	4
12	On generation of the Bargmann-Moshinsky basis of $\text{SU}(3)$ group. Journal of Physics: Conference Series, 2019, 1194, 012109.	0.4	4
13	Symbolic-Numeric Algorithm for Solving the Problem of Quantum Tunneling of a Diatomic Molecule through Repulsive Barriers. Lecture Notes in Computer Science, 2014, , 472-490.	1.3	4
14	Inelastic p ^9Be scattering and halo-structure of excited states of ^9Be . Nuclear Physics A, 2015, 933, 16-33.	1.5	3
15	Adiabatic Representation for Atomic Dimers and Trimers in Collinear Configuration. Physics of Atomic Nuclei, 2018, 81, 945-970.	0.4	3
16	Transmission of Clusters Consisting of a Few Identical Particles Through Barriers and Wells. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 269.	0.1	3
17	Direct Measurements of Cosmic Rays (TeV and beyond) Using an Ultrathin Calorimeter: Lessening Fluctuation Method. Applied Sciences (Switzerland), 2021, 11, 11189.	2.5	2
18	High-Accuracy Finite Element Method: Benchmark Calculations. EPJ Web of Conferences, 2018, 173, 03010.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Solution of Quantum Mechanical Problems Using Finite Element Method and Parametric Basis Functions. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 654-660.	0.6	1
20	On calculation of quadrupole operator in orthogonal Bargmann-Moshinsky basis of SU(3) group. Journal of Physics: Conference Series, 2019, 1416, 012010.	0.4	1
21	Spectrum of beryllium dimer in ground $X^1\Sigma_g^+$ state. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 262, 107529.	2.3	1
22	On rotational-vibrational spectrum of diatomic beryllium molecule. , 2019, , .		0