

# Jã;n BuÅ;a Jr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9003580/publications.pdf>

Version: 2024-02-01

14  
papers

91  
citations

1937685

4  
h-index

1372567

10  
g-index

14  
all docs

14  
docs citations

14  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	ARVO: A Fortran package for computing the solvent accessible surface area and the excluded volume of overlapping spheres via analytic equations. <i>Computer Physics Communications</i> , 2005, 165, 59-96.	7.5	37
2	Enveloping triangulation method for detecting internal cavities in proteins and algorithm for computing their surface areas and volumes. <i>Journal of Computational Chemistry</i> , 2009, 30, 346-357.	3.3	12
3	Formation and growth of skyrmion crystal phase in a frustrated Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 527, 167755.	2.3	12
4	CAVE: A package for detection and quantitative analysis of internal cavities in a system of overlapping balls: Application to proteins. <i>Computer Physics Communications</i> , 2010, 181, 2116-2125.	7.5	11
5	ARVO-CL: The OpenCL version of the ARVO package – An efficient tool for computing the accessible surface area and the excluded volume of proteins via analytical equations. <i>Computer Physics Communications</i> , 2012, 183, 2494-2497.	7.5	4
6	Algorithm and simulation of heat conduction process for design of a thin multilayer technical device. <i>Applied Thermal Engineering</i> , 2016, 94, 151-158.	6.0	4
7	Solving the Optimization Problem for Designing a Pulse Cryogenic Cell. <i>Physics of Particles and Nuclei Letters</i> , 2019, 16, 300-309.	0.4	4
8	CAVE-CL: An OpenCL version of the package for detection and quantitative analysis of internal cavities in a system of overlapping balls: Application to proteins. <i>Computer Physics Communications</i> , 2015, 190, 224-227.	7.5	3
9	Comparison of Advanced Methods for Picking Path Optimization: Case Study of Dual-Zone Warehouse. <i>International Journal of Simulation Modelling</i> , 2020, 19, 410-421.	1.3	3
10	Accurate calculations for the Dirac electron in the field of two-center Coulomb field: Application to heavy ions. <i>Chemical Physics Letters</i> , 2021, 784, 139099.	2.6	1
11	Parallel Algorithm for Solving TOV Equations for Sequence of Cold and Dense Nuclear Matter Models. <i>EPJ Web of Conferences</i> , 2018, 177, 07001.	0.3	0
12	PBCAVE: Program for exact classification of the mesh points of a protein with possible internal cavities and its application to Poisson-Boltzmann equation solution. <i>Computer Physics Communications</i> , 2020, 250, 107003.	7.5	0
13	An Algorithm of a Freeform Surfaces Measurement Adjustment Using a Specification of the Workpiece Coordinate System Location. <i>Advances in Science and Technology Research Journal</i> , 2017, 11, 223-232.	0.8	0
14	PERFORMANCE ANALYSIS AND OPTIMIZATION OF MPDROOT. , 0, , .		0