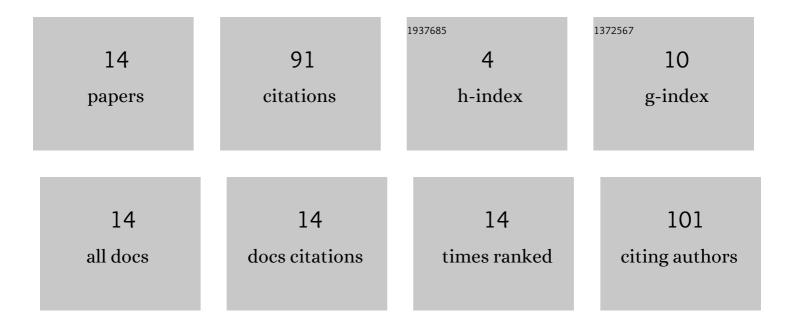
Ján BuÅ¡a Jr

List of Publications by Year in descending order

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ΙΔ:Ν ΒΙΙΔ:Α ΙΡ

#	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. Computer Physics Communications, 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. Journal of Computational Chemistry, 2009, 30, 346-357.	3.3	12
3	Formation and growth of skyrmion crystal phase in a frustrated Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction. Journal of Magnetism and Magnetic Materials, 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. Computer Physics Communications, 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. Computer Physics Communications, 2012, 183, 2494-2497.	7.5	4
6	Algorithm and simulation of heat conduction process for design of a thin multilayer technical device. Applied Thermal Engineering, 2016, 94, 151-158.	6.0	4
7	Solving the Optimization Problem for Designing a Pulse Cryogenic Cell. Physics of Particles and Nuclei Letters, 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. Computer Physics Communications, 2015, 190, 224-227.	7.5	3
9	Comparison of Advanced Methods for Picking Path Optimization: Case Study of Dual-Zone Warehouse. International Journal of Simulation Modelling, 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. Chemical Physics Letters, 2021, 784, 139099.	2.6	1
11	Parallel Algorithm for Solving TOV Equations for Sequence of Cold and Dense Nuclear Matter Models. EPJ Web of Conferences, 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. Computer Physics Communications, 2020, 250, 107003.	7.5	0
13	An Algorithm of a Freeform Surfaces Measurement Adjustment Using a Specification of the Workpiece Coordinate System Location. Advances in Science and Technology Research Journal, 2017, 11, 223-232.	0.8	0

14 PERFORMANCE ANALYSIS AND OPTIMIZATION OF MPDROOT. , 0, , .