

Vassil M Vassilev

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

207
citations

7
h-index

13
g-index

53
ext. papers

259
ext. citations

2
avg, IF

2.97
L-index

#	Paper	IF	Citations
29	Completely integrable dynamical systems of Hopf-Ångford type. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 92, 105464	3.7	2
28	Analysis of Swing Oscillatory Motion. <i>Studies in Computational Intelligence</i> , 2021 , 313-323	0.8	
27	Symmetries and Conservation Laws of a System of Timoshenko Beam Type Equations. <i>Studies in Computational Intelligence</i> , 2021 , 372-380	0.8	
26	Dynamics of Rössler Prototype-4 System: Analytical and Numerical Investigation. <i>Mathematics</i> , 2021 , 9, 352	2.3	1
25	Assessing the Non-Linear Dynamics of a Hopf-Ångford Type System. <i>Mathematics</i> , 2021 , 9, 2340	2.3	1
24	Behavior of the van der Waals force between a plate and a single-walled carbon nanotube under uniform hydrostatic pressure: a theoretical study. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 405001	1.8	1
23	Symmetries and conservation laws of equations of motion of double-wall carbon nanotubes conveying fluid 2019 ,		1
22	Exact solution for the order parameter profiles and the Casimir force in 4He superfluid films in an effective field theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 522, 324-338	3.3	0
21	Analytical results for the Casimir force in a Ginzburg-Åndau type model of a film with strongly adsorbing competing walls. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 510, 302-315	3.3	2
20	Analysis of the susceptibility in a fluid system with Neumann plus boundary conditions. <i>MATEC Web of Conferences</i> , 2018 , 145, 01001	0.3	0
19	Order parameter profiles in a system with Neumann plus Neumann boundary conditions. <i>MATEC Web of Conferences</i> , 2018 , 145, 01009	0.3	2
18	Analytic solutions to a family of boundary-value problems for Ginzburg-Landau type equations 2017 ,		1
17	Exact results for the behavior of the thermodynamic Casimir force in a model with a strong adsorption. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 093209	1.9	4
16	Comment on Bshape transition of unstrained flattest single-walled carbon nanotubes under pressure[J. Appl. Phys. 115, 044512 (2014)]. <i>Journal of Applied Physics</i> , 2015 , 117, 196101	2.5	4
15	Exact results for the temperature-field behavior of the Ginzburg-Åndau Ising type mean-field model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P08025	1.9	8
14	Explicit parametrizations of Willmore surfaces 2014 ,		3
13	Lie Group Analysis of the Willmore and Membrane Shape Equations. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2014 , 365-376	0.3	

12	Equilibrium Configurations of Lipid Bilayer Membranes and Carbon Nanostructures. <i>Communications in Theoretical Physics</i> , 2013 , 59, 213-228	2.4	9
11	Deformation of injected vesicles adhering onto flat rigid substrates. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 214-220	2.7	2
10	Analytic Description of the Equilibrium Shapes of Elastic Rings Under Uniform Hydrostatic Pressure 2011 ,		2
9	Analytic description and explicit parametrisation of the equilibrium shapes of elastic rings and tubes under uniform hydrostatic pressure. <i>International Journal of Mechanical Sciences</i> , 2011 , 53, 355-364 ^{5.5}	5.5	37
8	Traveling Wave Solutions of the Gardner Equation and Motion of Plane Curves Governed by the mKdV Flow 2011 ,		7
7	On the Plane Curves whose Curvature Depends on the Distance from the Origin 2010 ,		4
6	Cylindrical equilibrium shapes of fluid membranes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 435201	2	42
5	On the dynamic stability of a cantilever under tangential follower force according to Timoshenko beam theory. <i>Journal of Sound and Vibration</i> , 2008 , 311, 1431-1437	3.9	13
4	Dynamic stability of viscoelastic pipes on elastic foundations of variable modulus. <i>Journal of Sound and Vibration</i> , 2006 , 297, 414-419	3.9	20
3	Application of Lie transformation group methods to classical linear theories of rods and plates. <i>International Journal of Solids and Structures</i> , 2003 , 40, 1585-1614	3.1	7
2	Application of lie groups to the theory of shells and rods. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1997 , 30, 4839-4848	1.3	5
1	Conservation laws and group-invariant solutions of the von Kármán equations. <i>International Journal of Non-Linear Mechanics</i> , 1996 , 31, 73-87	2.8	5