Piotr Rozmej

List of Publications by Year in descending order

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		759233	677142
27	482	12	22
papers	citations	h-index	g-index

28	28	28	256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two fission modes of the heavy fermium isotopes. Nuclear Physics A, 1989, 491, 281-289.	1.5	83
2	Study of the potential energy of â€œoctupoleâ€•deformed nuclei in a multidimensional deformation space. Nuclear Physics A, 1988, 485, 16-30.	1.5	73
3	Shallow-water soliton dynamics beyond the Kortewegâ€“de Vries equation. Physical Review E, 2014, 90, 012907.	2.1	49
4	On the hexadecapole anomaly at the border of the rare earth region. Nuclear Physics A, 1981, 369, 396-412.	1.5	39
5	Particle-hole structure of nuclear isomers at high angular momenta. Nuclear Physics A, 1979, 315, 269-290.	1.5	31
6	The contribution of collective zero-point motion to mean-square charge radii. Nuclear Physics A, 1987, 470, 107-118.	1.5	27
7	Energy invariant for shallow-water waves and the Kortewegâ€“de Vries equation: Doubts about the invariance of energy. Physical Review E, 2015, 92, 053202.	2.1	20
8	A new nonlinear equation in the shallow water wave problem. Physica Scripta, 2014, 89, 054026.	2.5	18
9	Collapse and revival in the dynamics of a spin with the spin-orbit potential. Physical Review A, 1995, 51, 104-119.	2.5	15
10	Superposition solutions to the extended KdV equation for water surface waves. Nonlinear Dynamics, 2018, 91, 1085-1093.	5.2	15
11	Diabatic hindrance of heavy-ion fusion. Nuclear Physics A, 1989, 502, 395-404.	1.5	14
12	Numerical solutions to integral equations equivalent to differential equations with fractional time. International Journal of Applied Mathematics and Computer Science, 2010, 20, 261-269.	1.5	13
13	Spin-orbit pendulum: Oscillations between spin and orbital angular momentum. Physical Review A, 1994, 50, 4376-4379.	2.5	12
14	Clones and other interference effects in the evolution of angular-momentum coherent states. Physical Review A, 1998, 58, 4314-4329.	2.5	12
15	Adiabatic invariants of the extended KdV equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 270-275.	2.1	12
16	Can simple KdV-type equations be derived for shallow water problem with bottom bathymetry?. Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 105073.	3.3	12
17	Sharing of excitation energy in dissipative nucleus-nucleus collisions. Nuclear Physics A, 1987, 473, 342-352.	1.5	11
18	A finite element method for extended KdV equations. International Journal of Applied Mathematics and Computer Science, 2016, 26, 555-567.	1.5	8

#	Article	IF	Citations
19	New Exact Superposition Solutions to KdV2 Equation. Advances in Mathematical Physics, 2018, 2018, 1-9.	0.8	6
20	Single soliton solution to the extended KdV equation over uneven depth. European Physical Journal E, 2017, 40, 100.	1.6	4
21	Boussinesqâ€™s equations for (2+1)-dimensional surface gravity waves in an ideal fluid model. Nonlinear Dynamics, 2022, 108, 4069-4080.	5.2	3
22	Comment on â€œTwo-dimensional third-and fifth-order nonlinear evolution equations for shallow water waves with surface tensionâ€•[NonlinearÂDyn, Âdoi:10.1007/s11071-017-3938-7]. Nonlinear Dynamics, 2021, 105, 2855-2860.	5.2	2
23	Finite Element Method for Stochastic Extended KdV Equations. Computational Methods in Science and Technology, 2016, 22, 19-29.	0.3	2
24	Adiabatic Invariants of Second Order Korteweg-de Vries Type Equation. Understanding Complex Systems, 2018, , 175-205.	0.6	1
25	Spin-Orbit Entanglement in Time Evolution of Radial Wave Packets in Hydrogenic Systems. Open Systems and Information Dynamics, 2004, 11, 401-409.	1.2	0
26	SPINODAL INSTABILITIES OF HOT AND DILUTE NUCLEAR DROPLET â€“ ISOVECTOR EFFECTS. International Journal of Modern Physics E, 2006, 15, 362-367.	1.0	0
27	Reply to â€œComment on â€˜Shallow-water soliton dynamics beyond the Kortewegâ€“de Vries equationâ€™â€‰â€•Physical Review E, 2020, 101, 036202.	2.1	0