Eugene I Butikov

List of Publications by Year
in descending order

35	594	687363 13	610901 24
papers	citations	h-index	g-index

37	37	37	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the dynamic stabilization of an inverted pendulum. American Journal of Physics, 2001, 69, 755-768.	0.7	76
2	Parametric excitation of a linear oscillator. European Journal of Physics, 2004, 25, 535-554.	0.6	50
3	A dynamical picture of the oceanic tides. American Journal of Physics, 2002, 70, 1001-1011.	0.7	47
4	Spin and combined resonance on acceptor centres in Ge and Si type crystalsâ€”II. Journal of Physics and Chemistry of Solids, 1963, 24, 1475-1486.	4.0	38
5	An improved criterion for Kapitza's pendulum stability. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 295202.	2.1	37
6	Precession and nutation of a gyroscope. European Journal of Physics, 2006, 27, 1071-1081.	0.6	36
7	Subharmonic resonances of the parametrically driven pendulum. Journal of Physics A, 2002, 35, 6209-6231.	1.6	35
8	The rigid pendulum - an antique but evergreen physical model. European Journal of Physics, 1999, 20, 429-441.	0.6	32
9	Parametric resonance in a linear oscillator at square-wave modulation. European Journal of Physics, 2005, 26, 157-174.	0.6	29
10	Oscillations of a simple pendulum with extremely large amplitudes. European Journal of Physics, 2012, 33, 1555-1563.	0.6	26
11	Parametric resonance. Computing in Science and Engineering, 1999, 1, 76-83.	1.2	18
12	Inertial rotation of a rigid body. European Journal of Physics, 2006, 27, 913-922.	0.6	18
13	The velocity hodograph for an arbitrary Keplerian motion. European Journal of Physics, 2000, 21, 297-302.	0.6	15
14	Analytical expressions for stability regions in the Inceâ€“Strutt diagram of Mathieu equation. American Journal of Physics, 2018, 86, 257-267.	0.7	15
15	Extraordinary oscillations of an ordinary forced pendulum. European Journal of Physics, 2008, 29, 215-233.	0.6	12
16	Spring pendulum with dry and viscous damping. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 298-315.	3.3	12
17	Square-wave excitation of a linear oscillator. American Journal of Physics, 2004, 72, 469-476.	0.7	11
18	Relative motion of orbiting bodies. American Journal of Physics, 2001, 69, 63-67.	0.7	10

#	Article	IF	Citations
19	Misconceptions about the energy of waves in a strained string. Physica Scripta, 2012, 86, 035403.	2.5	9
20	Orbital maneuvers and space rendezvous. Advances in Space Research, 2015, 56, 2582-2594.	2.6	8
21	Comment on ÂThe envelope of projectile trajectoriesÂ. European Journal of Physics, 2003, 24, L5-L9.	0.6	7
22	Pendulum with a square-wave modulated length. International Journal of Non-Linear Mechanics, 2013, 55, 25-34.	2.6	6
23	Comment on ÂEccentricity as a vectorÂ. European Journal of Physics, 2004, 25, L41-L43.	0.6	5
24	Comment on â€˜Energy in one-dimensional linear waves in a stringâ€™. European Journal of Physics, 2011, 32, L35-L38.	0.6	5
25	Peculiarities in the energy transfer by waves on strained strings. Physica Scripta, 2013, 88, 065402.	2.5	5
26	A physically meaningful new approach to parametric excitation and attenuation of oscillations in nonlinear systems. Nonlinear Dynamics, 2017, 88, 2609-2627.	5.2	4
27	Regular and Chaotic Motions of the P arametrically Eorced Pendulum: Theory and Simulations. Lecture Notes in Computer Science, 2002, , 1154-1169.	1.3	4
28	Families of Keplerian orbits. European Journal of Physics, 2003, 24, 175-183.	0.6	3
29	Physics with Everything. European Journal of Physics, 2003, 24, .	0.6	2
30	The envelope of ballistic trajectories and elliptic orbits. American Journal of Physics, 2015, 83, 952-958.	0.7	2
31	Regular Keplerian motions in classical many-body systems. European Journal of Physics, 2000, 21, 465-482.	0.6	1
32	Reply to â€˜Comment on â€˜Peculiarities in the energy transfer by waves on strained stringsâ€™ (<i>Phys.) Tj ETQq0 0 0 rgBT /Overlock	2.5	0
33	Complicated Regular and Chaotic Motions of the Parametrically Excited Pendulum. , 2005, , .		0
34	Simulations of Space Probes and their Motions Relative to the Host Orbital Station. Computer Tools in Education, 2018, , 16-30.	0.2	0
35	Simulations of space probes and their motions relative to the host orbital station. Aeronautics and Aerospace Open Access Journal, 2018, 2, .	0.2	0