

Eugene I Butikov

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

594
citations

687363

13
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

420
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Analytical expressions for stability regions in the Ince-Strutt diagram of Mathieu equation. American Journal of Physics, 2018, 86, 257-267. | 0.7 | 15 |
| 2 | Simulations of Space Probes and their Motions Relative to the Host Orbital Station. Computer Tools in Education, 2018, , 16-30. | 0.2 | 0 |
| 3 | Simulations of space probes and their motions relative to the host orbital station. Aeronautics and Aerospace Open Access Journal, 2018, 2, . | 0.2 | 0 |
| 4 | A physically meaningful new approach to parametric excitation and attenuation of oscillations in nonlinear systems. Nonlinear Dynamics, 2017, 88, 2609-2627. | 5.2 | 4 |
| 5 | The envelope of ballistic trajectories and elliptic orbits. American Journal of Physics, 2015, 83, 952-958. | 0.7 | 2 |
| 6 | Orbital maneuvers and space rendezvous. Advances in Space Research, 2015, 56, 2582-2594. | 2.6 | 8 |
| 7 | Reply to "Comment on "Peculiarities in the energy transfer by waves on strained strings" (Phys.) Tj ETQq1.1 0.784314 rgB / 2.5 0 | 2.5 | 0 |
| 8 | Spring pendulum with dry and viscous damping. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 298-315. | 3.3 | 12 |
| 9 | Pendulum with a square-wave modulated length. International Journal of Non-Linear Mechanics, 2013, 55, 25-34. | 2.6 | 6 |
| 10 | Peculiarities in the energy transfer by waves on strained strings. Physica Scripta, 2013, 88, 065402. | 2.5 | 5 |
| 11 | Misconceptions about the energy of waves in a strained string. Physica Scripta, 2012, 86, 035403. | 2.5 | 9 |
| 12 | Oscillations of a simple pendulum with extremely large amplitudes. European Journal of Physics, 2012, 33, 1555-1563. | 0.6 | 26 |
| 13 | An improved criterion for Kapitza's pendulum stability. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 295202. | 2.1 | 37 |
| 14 | Comment on "Energy in one-dimensional linear waves in a string" (TM). European Journal of Physics, 2011, 32, L35-L38. | 0.6 | 5 |
| 15 | Extraordinary oscillations of an ordinary forced pendulum. European Journal of Physics, 2008, 29, 215-233. | 0.6 | 12 |
| 16 | Precession and nutation of a gyroscope. European Journal of Physics, 2006, 27, 1071-1081. | 0.6 | 36 |
| 17 | Inertial rotation of a rigid body. European Journal of Physics, 2006, 27, 913-922. | 0.6 | 18 |
| 18 | Parametric resonance in a linear oscillator at square-wave modulation. European Journal of Physics, 2005, 26, 157-174. | 0.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Complicated Regular and Chaotic Motions of the Parametrically Excited Pendulum. , 2005, , . | | 0 |
| 20 | Square-wave excitation of a linear oscillator. American Journal of Physics, 2004, 72, 469-476. | 0.7 | 11 |
| 21 | Comment on "Eccentricity as a vector". European Journal of Physics, 2004, 25, L41-L43. | 0.6 | 5 |
| 22 | Parametric excitation of a linear oscillator. European Journal of Physics, 2004, 25, 535-554. | 0.6 | 50 |
| 23 | Physics with Everything. European Journal of Physics, 2003, 24, . | 0.6 | 2 |
| 24 | Comment on "The envelope of projectile trajectories". European Journal of Physics, 2003, 24, L5-L9. | 0.6 | 7 |
| 25 | Families of Keplerian orbits. European Journal of Physics, 2003, 24, 175-183. | 0.6 | 3 |
| 26 | A dynamical picture of the oceanic tides. American Journal of Physics, 2002, 70, 1001-1011. | 0.7 | 47 |
| 27 | Subharmonic resonances of the parametrically driven pendulum. Journal of Physics A, 2002, 35, 6209-6231. | 1.6 | 35 |
| 28 | Regular and Chaotic Motions of the Parametrically Forced Pendulum: Theory and Simulations. Lecture Notes in Computer Science, 2002, , 1154-1169. | 1.3 | 4 |
| 29 | Relative motion of orbiting bodies. American Journal of Physics, 2001, 69, 63-67. | 0.7 | 10 |
| 30 | On the dynamic stabilization of an inverted pendulum. American Journal of Physics, 2001, 69, 755-768. | 0.7 | 76 |
| 31 | Regular Keplerian motions in classical many-body systems. European Journal of Physics, 2000, 21, 465-482. | 0.6 | 1 |
| 32 | The velocity hodograph for an arbitrary Keplerian motion. European Journal of Physics, 2000, 21, 297-302. | 0.6 | 15 |
| 33 | The rigid pendulum - an antique but evergreen physical model. European Journal of Physics, 1999, 20, 429-441. | 0.6 | 32 |
| 34 | Parametric resonance. Computing in Science and Engineering, 1999, 1, 76-83. | 1.2 | 18 |
| 35 | Spin and combined resonance on acceptor centres in Ge and Si type crystals. II. Journal of Physics and Chemistry of Solids, 1963, 24, 1475-1486. | 4.0 | 38 |