

Jafar Jahanpanah

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

67
citations

1684188
5
h-index

1588992
8
g-index

20
all docs

20
docs citations

20
times ranked

9
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability theory of class-C (far-infrared) lasers with an injected signal. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 680.	1.5	12
2	Theory of gain and mode locking in free-running class-B lasers with simultaneous oscillation of three longitudinal modes. Optics and Laser Technology, 2012, 44, 2135-2139.	4.6	10
3	Temporal characteristics of pulses produced by the simultaneous coupling of modes in free-running class-C lasers. Optics Communications, 2013, 293, 102-107.	2.1	10
4	Balance Between Noise Fluxes in Free-Running Single-Mode Class-A Lasers. IEEE Journal of Quantum Electronics, 2012, 48, 1237-1242.	1.9	8
5	The theory of stability, bistability, and instability in three-mode class-A lasers. Laser Physics, 2014, 24, 025001.	1.2	6
6	Noise fluxes produced by the cavity Langevin force in above-threshold single-mode class-B lasers. Laser Physics, 2013, 23, 055005.	1.2	5
7	Numerical modeling of radiative recombination during ionization of atoms by means of particle-in-cell simulation. Laser and Particle Beams, 2016, 34, 284-293.	1.0	3
8	A simple method for precisely evaluating the stability regions of a multi-mode laser. Journal of Optics (United Kingdom), 2014, 16, 105208.	2.2	2
9	The noise spectra comparison of cavity and population inversion Langevin forces in class-A lasers. Optics Communications, 2014, 332, 264-268.	2.1	2
10	The stability conditions of diatomic molecules via analogy with the stability theory of lasers. Molecular Physics, 2016, 114, 1813-1821.	1.7	2
11	The analysis of rovibrational motion equations of a diatomic molecule in the linear regime. Molecular Physics, 2017, 115, 2978-2986.	1.7	2
12	The forming mechanism of spontaneous emission noise flux radiated from hydrogen-like atoms by means of vibrational Hamiltonian. AIP Advances, 2021, 11, .	1.3	2
13	Detuning Effect Between the Cavity Resonance and Atomic Transition Frequencies on Noise Flux Profiles of Class-C Lasers. IEEE Journal of Quantum Electronics, 2015, 51, 1-7.	1.9	1
14	Relativistic roâ€vibrational feature of electron in <sc>Bohr</sc>'s orbits of hydrogenâ€like atoms in <sc>Heisenberg</sc> picture. International Journal of Quantum Chemistry, 2022, 122, .	2.0	1
15	The distribution mechanism of noise fluxes between three oscillating modes of a free-running class-A laser. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	0
16	Numerical modeling of radiative recombination during ionization of atoms by means of particle-in-cell simulationâ€CORRIGENDUM. Laser and Particle Beams, 2017, 35, 750-750.	1.0	0