

Nasser Sepehri Javan

List of Publications by Year in descending order

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41
papers

298
citations

933447

10
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996975

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41
all docs

41
docs citations

41
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Drude model for small gold nanoparticles surface plasmon resonance based on the role of classical confinement. <i>Scientific Reports</i> , 2020, 10, 6517.	3.3	40
2	Self-focusing of circularly polarized laser pulse in the hot magnetized plasma in the quasi-neutral limit. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	24
3	Competition of circularly polarized laser modes in the modulation instability of hot magnetoplasma. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	20
4	Modulation instability of an intense laser beam in the hot magnetized electron-positron plasma in the quasi-neutral limit. <i>Physics of Plasmas</i> , 2012, 19, 122107.	1.9	17
5	Theoretical study of the generation of terahertz radiation by the interaction of two laser beams with graphite nanoparticles. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	15
6	Magnetic field effect on the self-focusing of an intense laser pulse interacting with a bulk medium of graphite nanoparticles. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	14
7	Thermal behavior change in the self-focusing of an intense laser beam in magnetized electron-ion-positron plasma. <i>Laser and Particle Beams</i> , 2014, 32, 321-330.	1.0	13
8	Self-focusing of an intense laser pulse interacting with a periodic lattice of metallic nanoparticle. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	12
9	Collective Cherenkov effect and anomalous Doppler effect in a bounded spatial region. <i>Technical Physics</i> , 2005, 50, 298-307.	0.7	11
10	Relativistic nonlinear dynamics of an intense laser beam propagating in a hot electron-positron magnetoactive plasma. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	10
11	Polarization effect on the relativistic nonlinear dynamics of an intense laser beam propagating in a hot magnetoactive plasma. <i>Physical Review E</i> , 2013, 88, 043102.	2.1	10
12	Raman parametric excitation effect upon the third harmonic generation by a metallic nanoparticle lattice. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	9
13	Modulation instability and soliton formation in the interaction of X-ray laser beam with relativistic quantum plasma. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	9
14	Effect of super-thermal ions and electrons on the modulation instability of a circularly polarized laser pulse in magnetized plasma. <i>Laser and Particle Beams</i> , 2015, 33, 265-272.	1.0	8
15	Nonlinear modes of an intense laser beam interacting with a periodic lattice of nanoparticle. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	7
16	Nonlinear Dynamics of Circularly Polarized Laser Pulse Propagating in a Magnetized Plasma with q -Nonextensive Velocity Distributions. <i>Contributions To Plasma Physics</i> , 2016, 56, 938-950.	1.1	7
17	Dielectric coats effect on the third harmonic generation by a metallic nanoparticle lattice exposed to intense laser radiation. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	6
18	Negative and positive dust grain effect on the modulation instability of an intense laser propagating in a hot magnetoplasma. <i>Iranian Physical Journal</i> , 2017, 11, 235-241.	1.2	6

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19	Raman free-electron laser with longitudinal electrostatic wiggler and annular electron beam. <i>Physics of Plasmas</i> , 2001, 8, 4193-4201.	1.9	5
20	Numerical simulation of the instability of a nonuniform plasma flow: Nonlinear dynamics of slipping instability. <i>Plasma Physics Reports</i> , 2007, 33, 672-683.	0.9	5
21	Self-focusing of circularly polarized laser pulse propagating through a magnetized non-Maxwellian plasma. <i>Physics of Plasmas</i> , 2014, 21, 103103.	1.9	5
22	Polarization effect on the nonlinear dynamics of linear chain of interactional metallic nanoparticles exposed on a laser beam: an analytical approach. <i>Physica Scripta</i> , 2018, 93, 095802.	2.5	5
23	Analytical Approach to the Surface Plasmon Resonance Characteristic of Metal Nanoparticle Dimer in Dipole-Dipole Approximation. <i>Plasmonics</i> , 2020, 15, 1807-1814.	3.4	5
24	Unsteady processes during stimulated emission from a relativistic electron beam in a quasi-longitudinal electrostatic pump field. <i>Plasma Physics Reports</i> , 2005, 31, 244-252.	0.9	4
25	Effect of dynamical non-neutrality on the modulational instability of laser propagating through hot magnetoplasma. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	4
26	Perturbative approach to the self-focusing of intense X-ray laser beam propagating in thermal quantum plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	4
27	Magnetic Field Effect on Fresnel Coefficients of the Thin Slab of Graphite Nanocomposite. <i>Plasmonics</i> , 2019, 14, 219-230.	3.4	4
28	Threshold conditions for lasing of a free electron laser oscillator with longitudinal electrostatic wiggler. <i>Physics of Plasmas</i> , 2012, 19, 123106.	1.9	3
29	Polarization effect on the Raman backscattering of an electromagnetic wave propagating through an electron-positron ion magnetoplasma. <i>Physica Scripta</i> , 2013, 88, 065502.	2.5	2
30	Nonlinear dynamics of circularly polarized laser pulse propagating in a magnetized plasma with superthermal ions and mixed nonthermal high-energy tail electrons distributions. <i>Physics of Plasmas</i> , 2016, 23, 053105.	1.9	2
31	Theoretical study of artificial Kerr effect on the self-focusing of laser in a dissipative suspension of silver nanoparticles. <i>Physics of Plasmas</i> , 2018, 25, 082310.	1.9	2
32	Semi-Analytical Solution for Solitary Waves in a Dissipative Suspension of Metallic Nanoparticles. <i>Plasmonics</i> , 2019, 14, 579-593.	3.4	2
33	Second harmonic generation from metal nanoparticle dimer: an analytical approach in dipole approximation. <i>Physica Scripta</i> , 2021, 96, 025506.	2.5	2
34	Lasing conditions of a free electron laser with helical wiggler. <i>Physics of Plasmas</i> , 2009, 16, 123109.	1.9	1
35	Free electron laser with bunched relativistic electron beam and electrostatic longitudinal wiggler. <i>Physics of Plasmas</i> , 2010, 17, 063105.	1.9	1
36	Electromagnetically Induced Transparency of Two Intense Circularly-Polarized Lasers in Cold Plasma: Beat-Wave Second Harmonic Effect. <i>Communications in Theoretical Physics</i> , 2014, 61, 246-252.	2.5	1

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37	Entanglement fidelity ratio for elastic collisions in non-ideal two-temperature dense plasma. <i>Physica Scripta</i> , 2020, 95, 035604.	2.5	1
38	Linear optical properties of a linear chain of interacting gold nanoparticles. <i>Canadian Journal of Physics</i> , 0, , .	1.1	1
39	Linear optical properties of 2d assembly of interacting gold nanoparticles: analytical approach in dipole approximation. <i>Physica Scripta</i> , 2021, 96, 125516.	2.5	1
40	Nonlinear dispersion and transverse profile of intense electromagnetic waves, propagating through electron-positron-ion hot magnetoplasma. <i>Physics of Plasmas</i> , 2015, 22, 022113.	1.9	0
41	Self-focusing of linearly-polarized laser beam in the semi-bounded magnetized warm plasma: competition of right- and left-hand circularly-polarized modes. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 115010.	2.1	0