

Ram Kishor Singh

List of Publications by Year in descending order

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38
papers

385
citations

840119

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887659

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citing authors

#	ARTICLE	IF	CITATIONS
1	Transient setting of relativistic ponderomotive non-linearity and filamentation of ultra-short laser pulses in collisionless plasmas. <i>Laser and Particle Beams</i> , 2019, 37, 252-259.	0.4	1
2	Magnetosonic wave-aided terahertz emission by nonlinear mixing of lasers in plasmas. <i>Laser and Particle Beams</i> , 2019, 37, 341-345.	0.4	0
3	Numerical simulation of turbulence and terahertz magnetosonic waves generation in collisionless plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	6
4	Dynamics of focused femtosecond laser pulse during photodisruption of crystalline lens. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	0
5	High-power terahertz radiation generation by beating of two co-propagating super-Gaussian laser beams in cluster plasma. <i>Laser Physics</i> , 2018, 28, 086003.	0.6	5
6	Effect of the axial magnetic field on coexisting stimulated Raman and Brillouin scattering of a circularly polarized beam. <i>Laser and Particle Beams</i> , 2017, 35, 19-25.	0.4	5
7	Numerical simulation to study transient self-focusing and gigahertz acoustic generation in collisional plasma. <i>Physics of Plasmas</i> , 2017, 24, 052103.	0.7	2
8	High-power terahertz emission in magnetized plasma via optical rectification of a super-Gaussian laser beam. <i>Europhysics Letters</i> , 2017, 119, 15002.	0.7	4
9	High power terahertz radiation generation by optical rectification of a shaped pulse laser in axially magnetized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	19
10	Generation of electromagnetic waves in the terahertz frequency range by optical rectification of a Gaussian laser pulse in a plasma in presence of an externally applied static electric field. <i>Contributions To Plasma Physics</i> , 2017, 57, 252-257.	0.5	11
11	Strong terahertz emission by optical rectification of shaped laser pulse in transversely magnetized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	11
12	Turbulent amplification of magnetic field in laser plasma interaction and astrophysical plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	5
13	Effect of the magnetic field on coexisting stimulated Raman and Brillouin backscattering of an extraordinary mode. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	7
14	Nonlinear effects associated with fast magnetosonic waves and turbulent magnetic amplification in laboratory and astrophysical plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	3
15	Laser pulse compression and intensity enhancement in plasma. <i>Physics of Plasmas</i> , 2016, 23, 093122.	0.7	7
16	Terahertz radiation generation by beating of two super Gaussian lasers in plasma having static dc electric field. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	6
17	Strong terahertz generation by optical rectification of a super-Gaussian laser beam. <i>Europhysics Letters</i> , 2016, 114, 55003.	0.7	11
18	Strong terahertz field generation by relativistic self-focusing of hollow Gaussian laser beam in magnetoplasma. <i>Laser and Particle Beams</i> , 2016, 34, 86-93.	0.4	8

#	ARTICLE	IF	CITATIONS
19	Nonlinear magnetic field enhancement and turbulence in laboratory and astrophysical plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	13
20	Nonlinear laser pulse response in a crystalline lens. <i>Optics Letters</i> , 2016, 41, 1423.	1.7	1
21	Terahertz radiation by self-focused amplitude-modulated Gaussian laser beam in magnetized ripple density plasma. <i>Laser and Particle Beams</i> , 2015, 33, 741-747.	0.4	3
22	Terahertz generation by relativistic ponderomotive focusing of two co-axial Gaussian laser beams propagating in ripple density plasma. <i>Physics of Plasmas</i> , 2015, 22, 103101.	0.7	13
23	Terahertz radiation generation by the beating of two cross focused Gaussian laser beams in axially magnetized plasma. <i>Europhysics Letters</i> , 2015, 112, 25001.	0.7	1
24	Spatio-temporal evolution of magnetosonic wave in the laser plasma interaction. <i>Physics of Plasmas</i> , 2015, 22, 052307.	0.7	7
25	THz radiation by amplitude-modulated self-focused Gaussian laser beam in ripple density plasma. <i>Laser and Particle Beams</i> , 2015, 33, 257-263.	0.4	14
26	THz generation by self-focusing of hollow Gaussian laser beam in magnetised plasma. <i>Europhysics Letters</i> , 2014, 107, 65002.	0.7	26
27	Combined effect of relativistic and ponderomotive filamentation on coexisting stimulated Raman and Brillouin scattering. <i>Physics of Plasmas</i> , 2014, 21, 112113.	0.7	4
28	Filamentation of magnetosonic wave and generation of magnetic turbulence in laser plasma interaction. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	11
29	Effect of multiphoton ionization on performance of crystalline lens. <i>Optics Letters</i> , 2014, 39, 6775.	1.7	2
30	Terahertz generation by two cross focused laser beams in collisional plasmas. <i>Physics of Plasmas</i> , 2014, 21, 073101.	0.7	29
31	Terahertz generation by two cross focused Gaussian laser beams in magnetized plasma. <i>Physics of Plasmas</i> , 2014, 21, 113109.	0.7	29
32	Study of coexisting stimulated Raman and Brillouin scattering at relativistic laser power. <i>Laser and Particle Beams</i> , 2014, 32, 657-663.	0.4	8
33	Effects of relativistic and ponderomotive nonlinearities on the beat wave generation of electron plasma wave and particle acceleration in non-paraxial region. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	12
34	Stimulated Raman backscattering of filamented hollow Gaussian beams. <i>Laser and Particle Beams</i> , 2013, 31, 387-394.	0.4	13
35	Fourier spectrum analysis of spiral zone plates. <i>Optics Communications</i> , 2013, 304, 43-48.	1.0	9
36	Effect of laser beam filamentation on coexisting stimulated Raman and Brillouin scattering. <i>Physics of Plasmas</i> , 2013, 20, 102108.	0.7	10

#	ARTICLE	IF	CITATIONS
37	Stimulated Brillouin backscattering of filamented hollow Gaussian beams. Laser and Particle Beams, 2013, 31, 689-696.	0.4	11
38	THz generation by cosh-Gaussian lasers in a rippled density plasma. Europhysics Letters, 2013, 104, 35002.	0.7	58