

Ram Kishor Singh

List of Publications by Year in descending order

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38
papers

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887659

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all docs

38
docs citations

38
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	THz generation by cosh-Gaussian lasers in a rippled density plasma. Europhysics Letters, 2013, 104, 35002.	0.7	58
2	Terahertz generation by two cross focused laser beams in collisional plasmas. Physics of Plasmas, 2014, 21, 073101.	0.7	29
3	Terahertz generation by two cross focused Gaussian laser beams in magnetized plasma. Physics of Plasmas, 2014, 21, 113109.	0.7	29
4	THz generation by self-focusing of hollow Gaussian laser beam in magnetised plasma. Europhysics Letters, 2014, 107, 65002.	0.7	26
5	High power terahertz radiation generation by optical rectification of a shaped pulse laser in axially magnetized plasma. Physics of Plasmas, 2017, 24, .	0.7	19
6	THz radiation by amplitude-modulated self-focused Gaussian laser beam in ripple density plasma. Laser and Particle Beams, 2015, 33, 257-263.	0.4	14
7	Stimulated Raman backscattering of filamented hollow Gaussian beams. Laser and Particle Beams, 2013, 31, 387-394.	0.4	13
8	Terahertz generation by relativistic ponderomotive focusing of two co-axial Gaussian laser beams propagating in ripple density plasma. Physics of Plasmas, 2015, 22, 103101.	0.7	13
9	Nonlinear magnetic field enhancement and turbulence in laboratory and astrophysical plasmas. Physics of Plasmas, 2016, 23, .	0.7	13
10	Effects of relativistic and ponderomotive nonlinearities on the beat wave generation of electron plasma wave and particle acceleration in non-paraxial region. European Physical Journal D, 2014, 68, 1.	0.6	12
11	Stimulated Brillouin backscattering of filamented hollow Gaussian beams. Laser and Particle Beams, 2013, 31, 689-696.	0.4	11
12	Filamentation of magnetosonic wave and generation of magnetic turbulence in laser plasma interaction. Physics of Plasmas, 2014, 21, .	0.7	11
13	Strong terahertz generation by optical rectification of a super-Gaussian laser beam. Europhysics Letters, 2016, 114, 55003.	0.7	11
14	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. Contributions To Plasma Physics, 2017, 57, 252-257.	0.5	11
15	Strong terahertz emission by optical rectification of shaped laser pulse in transversely magnetized plasma. Physics of Plasmas, 2017, 24, .	0.7	11
16	Effect of laser beam filamentation on coexisting stimulated Raman and Brillouin scattering. Physics of Plasmas, 2013, 20, 102108.	0.7	10
17	Fourier spectrum analysis of spiral zone plates. Optics Communications, 2013, 304, 43-48.	1.0	9
18	Study of coexisting stimulated Raman and Brillouin scattering at relativistic laser power. Laser and Particle Beams, 2014, 32, 657-663.	0.4	8

#	ARTICLE	IF	CITATIONS
19	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
20	Spatio-temporal evolution of magnetosonic wave in the laser plasma interaction. <i>Physics of Plasmas</i> , 2015, 22, 052307.	0.7	7
21	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
22	Laser pulse compression and intensity enhancement in plasma. <i>Physics of Plasmas</i> , 2016, 23, 093122.	0.7	7
23	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
24	Numerical simulation of turbulence and terahertz magnetosonic waves generation in collisionless plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	6
25	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
26	Turbulent amplification of magnetic field in laser plasma interaction and astrophysical plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	5
27	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
28	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
29	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
30	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
31	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
32	Effect of multiphoton ionization on performance of crystalline lens. <i>Optics Letters</i> , 2014, 39, 6775.	1.7	2
33	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
34	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
35	Nonlinear laser pulse response in a crystalline lens. <i>Optics Letters</i> , 2016, 41, 1423.	1.7	1
36	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

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37	Dynamics of focused femtosecond laser pulse during photodisruption of crystalline lens. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	0
38	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