

V Rakesh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

103
citations

1937685

4
h-index

1720034

7
g-index

13
all docs

13
docs citations

13
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of laser induced micro-shock waves and hot core plasma in quiescent air. Laser and Particle Beams, 2013, 31, 263-272.	1.0	41
2	Onset of ice VII phase of liquid water: role of filamentation in stimulated Raman scattering. Optics Letters, 2015, 40, 2802.	3.3	25
3	Dynamics of tightly focused femtosecond laser pulses in water. Laser Physics, 2013, 23, 106002.	1.2	16
4	Transformation of liquid water to ice VII during propagation of picosecond laser pulses: effects of wavelength and polarization. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1157.	2.1	12
5	Effect of lens tilt on SCE and filamentation characteristics of femtosecond pulses in air. , 2012, , .		3
6	Generation of a strong reverse shock wave in the interaction of a high-contrast high-intensity femtosecond laser pulse with a silicon target. Applied Physics Letters, 2019, 114, .	3.3	3
7	Dynamic response of metals and alloys to laser-induced shock waves. Proceedings of SPIE, 2012, , .	0.8	2
8	Laser-induced shock waves from structured surfaces. Proceedings of SPIE, 2012, , .	0.8	1
9	Filamentation characteristics of focused fs pulses in atmosphere. , 2012, , .		0
10	Ps laser pulse induced stimulated Raman scattering of ammonium nitrate dissolved in water. AIP Conference Proceedings, 2018, , .	0.4	0
11	Enhanced proton acceleration using hollow silica nano-sphere coated targets. Physics of Plasmas, 2020, 27, 063108.	1.9	0
12	Self-action effects on Laser-induced Dynamics States of Matter. , 2013, , .		0
13	Spectral and intensity control of high energy terahertz radiation from bulk liquids. Journal Physics D: Applied Physics, 2022, 55, 095107.	2.8	0