

# Anil Kumar Malik

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

444  
citations

1039406

9  
h-index

713013

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz radiation generation by beating of two spatial-Gaussian lasers in the presence of a static magnetic field. <i>Physical Review E</i> , 2012, 85, 016401.	0.8	70
2	Terahertz radiation generation by beating of two spatial-Gaussian lasers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1191-1194.	0.9	62
3	Investigations on terahertz radiation generated by two superposed femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	57
4	Strong terahertz radiation by beating of spatial-triangular lasers in a plasma. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	55
5	Strong and collimated terahertz radiation by super-Gaussian lasers. <i>Europhysics Letters</i> , 2012, 100, 45001.	0.7	45
6	Tunable and collimated terahertz radiation generation by femtosecond laser pulses. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	40
7	High-intensity terahertz generation by nonlinear frequency-mixing of lasers in plasma with DC magnetic field. <i>Laser and Particle Beams</i> , 2015, 33, 519-524.	0.4	21
8	Highly focused and efficient terahertz radiation generation by photo-mixing of lasers in plasma in the presence of magnetic field. <i>Physics of Plasmas</i> , 2014, 21, 073104.	0.7	20
9	On the variation of solar coronal rotation using <i>SDO</i> / <i>AIA</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5391-5398.	1.6	14
10	Bright terahertz (THz) generation by frequency mixing of dichromatic lasers in inhomogeneous cold plasma: Scaling of THz field. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	9
11	Evidence of a strong relationship between hemispheric asymmetry in solar coronal rotation and solar activity during solar cycle 24. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5442-5446.	1.6	8
12	Differential rotation of the solar transition region from <i>STEREO</i> / <i>EUVI</i> 30.4-nm images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4952-4959.	1.6	8
13	Efficient terahertz (THz) generation by nonlinear mixing of bicolor top-hat lasers in hot plasma. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	8
14	Effect of initial phase on error in electron energy obtained using paraxial approximation for a focused laser pulse in vacuum. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	5
15	Acceleration of electrons generated during ionization of low density gases by a focused laser pulse. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	4
16	Terahertz wave generation by photo mixing of radially polarized hollow sinh super-Gaussian lasers in hot plasma. <i>Europhysics Letters</i> , 2019, 126, 55001.	0.7	4
17	Modeling of intense terahertz wave generation with controlled field distribution. <i>Physics of Plasmas</i> , 2019, 26, 073107.	0.7	4
18	Terahertz Radiation Generation by Frequency Mixing of Hermiteâ€Coshâ€C Gaussian Laser Beams in Density-Modulated Cold Magnetized Plasma. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 3022-3028.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Investigation of effect of electron temperature on intensity and efficiency of terahertz generated by laser beating in inhomogeneous plasma. <i>Physica Scripta</i> , 2020, 95, 115007.	1.2	3
20	Quasimonoenergetic collimated electrons from the ionization of low density gases by a chirped intense Gaussian laser pulse. <i>Physics of Plasmas</i> , 2016, 23, 093111.	0.7	2
21	Electron energy enhancement by frequency chirp of a radially polarized laser pulse during ionization of low-density gases. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 115011.	0.9	2
22	Effect of laser polarization and target location on acceleration of electrons generated during ionization of gases by a laser pulse. <i>AIP Advances</i> , 2020, 10, .	0.6	0
23	Energy enhancement of accelerated electrons using a sharply chirped profile laser pulse in vacuum. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 095016.	0.9	0
24	Limitations of paraxial approximation to model electron acceleration by a laser pulse in vacuum in the presence of an axial magnetic field. <i>Plasma Research Express</i> , 2020, 2, 035013.	0.4	0