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List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,359
citations

686830

13
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

1752
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of femtosecond strong field ion excitation and subsequent lasing in N_2^+ . New Journal of Physics, 2021, 23, 023035.	1.2	10
2	The laser lightning rod project. EPJ Applied Physics, 2021, 93, 10504.	0.3	26
3	Modeling of the processes of ionization and excitation of nitrogen molecules by short and intense laser pulses. Physical Review A, 2021, 104, .	1.0	7
4	Cumulative air density depletion during high repetition rate filamentation of femtosecond laser pulses: Application to electric discharge triggering. Applied Physics Letters, 2021, 119, .	1.5	13
5	Quantum erasing of laser emission in N_2^+ . Optics Letters, 2020, 45, 4670.	1.7	9
6	Lasing without population inversion in N_2^+ . APL Photonics, 2019, 4, .	3.0	55
7	Unexpected Sensitivity of Nitrogen Ions Superradiant Emission on Pump Laser Wavelength and Duration. Physical Review Letters, 2017, 119, 203205.	2.9	47
8	Excitation of nitrogen molecular ions in a strong laser field by electron recollisions. European Physical Journal D, 2017, 71, 1.	0.6	7
9	Study of filamentation with a high power high repetition rate ps laser at 103 μm . Optics Express, 2016, 24, 7437.	1.7	46
10	Recollision-Induced Superradiance of Ionized Nitrogen Molecules. Physical Review Letters, 2015, 115, 133203.	2.9	131
11	Generation of long-lived underdense channels using femtosecond filamentation in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094009.	0.6	51
12	Lasing of ambient air with microjoule pulse energy pumped by a multi-terawatt infrared femtosecond laser. Optics Letters, 2014, 39, 1725.	1.7	56
13	Large scale Tesla coil guided discharges initiated by femtosecond laser filamentation in air. Journal of Applied Physics, 2014, 116, .	1.1	15
14	Self-seeded lasing in ionized air pumped by 800 nm femtosecond laser pulses. Optics Express, 2013, 21, 22791.	1.7	115
15	Revival of femtosecond laser plasma filaments in air by a nanosecond laser. Optics Express, 2009, 17, 11450.	1.7	51
16	Femtosecond filamentation in transparent media. Physics Reports, 2007, 441, 47-189.	10.3	2,462
17	Femtosecond laser-guided electric discharge in air. Physical Review E, 2001, 64, 057401.	0.8	119
18	Determination of the time dependence of n_2 in air. Optics Communications, 1997, 135, 310-314.	1.0	139