

Andr © Mysyrowicz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1499210/publications.pdf>

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