

Muhammad Nurhuda

List of Publications by Year in descending order

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25
papers

481
citations

840119

11
h-index

752256

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g-index

26
all docs

26
docs citations

26
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of time-dependent Schrödinger equation for multiphoton processes: A matrix iterative method. <i>Physical Review A</i> , 1999, 60, 3125-3133.	1.0	99
2	Propagation dynamics of femtosecond laser pulses in a hollow fiber filled with argon: constant gas pressure versus differential gas pressure. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 2002.	0.9	60
3	Generation of 5 fs, 0.5 TW pulses focusable to relativistic intensities at 1 kHz. <i>Optics Express</i> , 2008, 16, 10684.	1.7	49
4	Generalization of the Kerr effect for high intensity, ultrashort laser pulses. <i>New Journal of Physics</i> , 2008, 10, 053006.	1.2	42
5	Propagation dynamics of femtosecond laser pulses in argon. <i>Physical Review A</i> , 2002, 66, .	1.0	41
6	Generation of high-energy high-order harmonics by use of a long interaction medium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 158.	0.9	37
7	Compression of intense ultrashort laser pulses in a gas-filled planar waveguide. <i>Optics Letters</i> , 2008, 33, 2992.	1.7	24
8	Ionization-induced high-order nonlinear susceptibility. <i>Physical Review A</i> , 2002, 66, .	1.0	19
9	Investigation of electron and phonon transport in Bi-doped CaMnO ₃ for thermoelectric applications. <i>Materials Research Bulletin</i> , 2021, 141, 111359.	2.7	16
10	Optical Pulse Compression of Ultrashort Laser Pulses in an Argon-Filled Planar Waveguide. <i>Physical Review Letters</i> , 2006, 97, 153902.	2.9	15
11	Optimization of hollow fiber pulse compression using pressure gradients. <i>Applied Physics B: Lasers and Optics</i> , 2007, 89, 209-215.	1.1	15
12	Phase control of Autler-Townes doublet in ionization continuum by two-color laser fields. <i>Physical Review A</i> , 1998, 57, R3176-R3179.	1.0	12
13	Spatiotemporal dynamics of high-intensity femtosecond laser pulses propagating in argon. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 603.	0.9	11
14	SATURATION OF NONLINEAR SUSCEPTIBILITY. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 301-313.	1.1	11
15	Control of self-phase modulation and plasma-induced blueshifting of high-energy, ultrashort laser pulses in an argon-filled hollow fiber using conjugate pressure-gradient method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 1757.	0.9	11
16	Tuning Electronic Structure and Magnetic Properties of Flat Stanene by Hydrogenation and Al/P Doping: A First Principle DFT Study. <i>Coatings</i> , 2021, 11, 47.	1.2	9
17	Plasma-induced spectral broadening of high-energy ultrashort laser pulses in a helium-filled multiple-pass cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1946.	0.9	5
18	Eigenstate expansion method for simulations of non-perturbative multiphoton processes. <i>Computer Physics Communications</i> , 2001, 134, 291-306.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Does the dynamic stabilization reflect the numerical instability of direct integration of time dependent Schrödinger equation?. Computer Physics Communications, 2004, 162, 1-8.	3.0	2
20	ENERGY TRANSMITTANCE AND SPATIAL PHASE IMPROVEMENT OF INTENSE ULTRASHORT LASER PULSES IN GAS-FILLED HOLLOW FIBER USING PRESSURE GRADIENT METHOD. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 291-299.	1.1	1
21	Control of the spectral broadening of tens-millijoules laser pulses in an argon-filled hollow fiber using a conjugate pressure gradient. Springer Series in Chemical Physics, 2005, , 46-48.	0.2	0
22	Evaluating the performance of a high voltage electrostatic coarse particulate filter in motorcycle exhaust system: Laboratory static testing. AIP Conference Proceedings, 2019, , .	0.3	0
23	Numerical Simulation of Femto- and Subfemtosecond Pulse Generation by Spectral Control of High-Order Harmonic Waves.. The Review of Laser Engineering, 2000, 28, 500-505.	0.0	0
24	Developing of an orifice-electrostatic filter with the varied gap distance for PM2.5 emission. AIP Conference Proceedings, 2020, , .	0.3	0
25	A design of fine particle concentration measurement system based on a near field wireless radio communication. AIP Conference Proceedings, 2020, , .	0.3	0