

Daniel Woodbury

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

341
citations

933447

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1125743

13
g-index

27
all docs

27
docs citations

27
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	MeV electron acceleration at 1 kHz with <10 mJ laser pulses. Optics Letters, 2017, 42, 215.	3.3	76
2	Laser wakefield acceleration with mid-IR laser pulses. Optics Letters, 2018, 43, 1131.	3.3	52
3	Efficient terahertz and Brunel harmonic generation from air plasma via mid-infrared coherent control. Optica, 2019, 6, 1338.	9.3	47
4	Assessing Stagnation Conditions and Identifying Trends in Magnetized Liner Inertial Fusion. IEEE Transactions on Plasma Science, 2019, 47, 2081-2101.	1.3	36
5	Constraining preheat energy deposition in MagLIF experiments with multi-frame shadowgraphy. Physics of Plasmas, 2019, 26, .	1.9	27
6	Remote detection of radioactive material using mid-IR laser-driven electron avalanche. Science Advances, 2019, 5, eaav6804.	10.3	24
7	Absolute Measurement of Laser Ionization Yield in Atmospheric Pressure Range Gases over 14 Decades. Physical Review Letters, 2020, 124, 013201.	7.8	17
8	Self-Guiding of Long-Wave Infrared Laser Pulses Mediated by Avalanche Ionization. Physical Review Letters, 2020, 125, 133201.	7.8	13
9	Measurement of ultralow radiation-induced charge densities using picosecond mid-IR laser-induced breakdown. Optica, 2019, 6, 811.	9.3	13
10	Characterization of a 100 micrometer-scale cryogenically cooled gas jet for near-critical density laser-plasma experiments. Review of Scientific Instruments, 2019, 90, .	1.3	12
11	Adaptive control of laser-wakefield accelerators driven by mid-IR laser pulses. Optics Express, 2019, 27, 10912.	3.4	10
12	Ultrabroadband microwave radiation from near- and mid-infrared laser-produced plasmas in air. Physical Review A, 2021, 104, .	2.5	7
13	Coherent ultra-broadband laser-assisted injection radiation from a laser plasma accelerator. Physical Review E, 2018, 98, .	2.1	3
14	Remote detection of radioactive material using optically induced air breakdown ionization. , 2019, , .		2
15	Detecting radiation in a standoff geometry with mid-IR laser breakdown. , 2019, , .		1
16	MeV electron acceleration at 1 kHz with <10 mJ laser pulses. , 2017, , .		1
17	Laser wakefield acceleration with mid-IR laser pulses. , 2017, , .		0
18	Temporal measurement of the wave-breaking flash in a laser plasma accelerator. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Quasi-monoenergetic Electron Beams from Mid-IR Laser Wakefield Acceleration in the Bubble Regime. , 2018, , .		0
20	Radiation detection with mid-IR laser breakdown of air. , 2018, , .		0
21	Measuring Ultralow Charge Densities In Gases With Picosecond Mid-IR Laser Breakdown. , 2019, , .		0
22	Efficient terahertz and Brunei harmonic generation from air plasma with femtosecond two-color mid-infrared lasers. , 2020, , .		0
23	LWIR filamentation arrested by avalanche ionization. , 2020, , .		0
24	Mechanisms of ionization and self-guiding in the mid- and long-wave infrared. , 2020, , .		0
25	Applications of intense mid-infrared laser-matter interactions. , 2021, , .		0
26	Extreme sensitivity charge detection. Physics Today, 2022, 75, 62-63.	0.3	0