

Hanieh Fattahi

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,175
citations

759233

12
h-index

610901

24
g-index

50
all docs

50
docs citations

50
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Third-generation femtosecond technology. <i>Optica</i> , 2014, 1, 45.	9.3	302
2	1â€‰kW, 200â€‰mJ picosecond thin-disk laser system. <i>Optics Letters</i> , 2017, 42, 1381.	3.3	195
3	Attosecond nonlinear polarization and lightâ€‰matter energy transfer in solids. <i>Nature</i> , 2016, 534, 86-90.	27.8	187
4	Carrier-envelope-phase-stable, 12â€‰mJ, 15 cycle laser pulses at 21â€‰ μ m. <i>Optics Letters</i> , 2012, 37, 4973.	3.3	150
5	High-power, 1-ps, all-Yb:YAG thin-disk regenerative amplifier. <i>Optics Letters</i> , 2016, 41, 1126.	3.3	54
6	Active stabilization for optically synchronized optical parametric chirped pulse amplification. <i>Optics Express</i> , 2012, 20, 5557.	3.4	35
7	Efficient, octave-spanning difference-frequency generation using few-cycle pulses in simple collinear geometry. <i>Optics Letters</i> , 2013, 38, 4216.	3.3	35
8	Near-PHz-bandwidth, phase-stable continua generated from a Yb:YAG thin-disk amplifier. <i>Optics Express</i> , 2016, 24, 24337.	3.4	34
9	Pump-seed synchronization for MHz repetition rate, high-power optical parametric chirped pulse amplification. <i>Optics Express</i> , 2012, 20, 9833.	3.4	26
10	Multi-octave, CEP-stable source for high-energy field synthesis. <i>Science Advances</i> , 2020, 6, eaax3408.	10.3	19
11	Efficient nonlinear compression of a thin-disk oscillator to 8.5â€‰fs at 55â€‰W average power. <i>Optics Letters</i> , 2021, 46, 5304.	3.3	17
12	Broadband terahertz solid-state emitter driven by Yb:YAG thin-disk oscillator. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 125601.	1.5	13
13	Decoupling chaotic amplification and nonlinear phase in high-energy thin-disk amplifiers for stable OPCPA pumping. <i>Optics Express</i> , 2014, 22, 31440.	3.4	12
14	Attosecond nanophotonics. <i>Nature Photonics</i> , 2017, 11, 210-212.	31.4	12
15	Broadband beamsplitter for high intensity laser applications in the infra-red spectral range. <i>Optics Express</i> , 2016, 24, 16752.	3.4	11
16	Third-Generation Femtosecond Technology. Springer Theses, 2016, , .	0.1	11
17	Sub-cycle light transients for attosecond, X-ray, four-dimensional imaging. <i>Contemporary Physics</i> , 2016, 57, 580-595.	1.8	9
18	Cross-polarized, multi-octave supercontinuum generation. <i>Optics Letters</i> , 2017, 42, 2595.	3.3	9

#	ARTICLE	IF	CITATIONS
37	Towards attosecond pulse generation in the X-ray regime. , 2016, , .		0
38	How to Amplify Photons. Springer Theses, 2016, , 13-44.	0.1	0
39	Design of a Multi-terawatt Field Synthesizer (LWS-pro). Springer Theses, 2016, , 107-126.	0.1	0
40	Broadband Seed Generation. Springer Theses, 2016, , 45-71.	0.1	0
41	20 mJ, 1 ps Yb:YAG Thin-disk Regenerative Amplifier. Journal of Visualized Experiments, 2017, , .	0.3	0
42	Cross-polarized supercontinuum generation in LiNbO ₃ for a multi-mJ waveform synthesizer. , 2017, , .		0
43	Towards multi-mJ, OPCPA-based field synthesizer. , 2017, , .		0
44	Near-Infrared Fieldoscopy of Water. , 2019, , .		0
45	All-Ytterbium Frontend for High-Energy Field Synthesizers. , 2019, , .		0
46	High energy, sub-cycle pulse generation at PHz frequency. , 2017, , .		0
47	Near-Infrared Molecular Fieldoscopy. , 2019, , .		0