

Hanieh Fattahi

List of Publications by Year in descending order

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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	Recent advances in petahertz electric field sampling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 172001.	1.5	7
2	Efficient nonlinear compression of a thin-disk oscillator to 8.5â€‰fs at 55â€‰W average power. Optics Letters, 2021, 46, 5304.	3.3	17
3	Multi-octave, CEP-stable source for high-energy field synthesis. Science Advances, 2020, 6, eaax3408.	10.3	19
4	Broadband terahertz solid-state emitter driven by Yb:YAG thin-disk oscillator. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 125601.	1.5	13
5	High Energy, Sub-Cycle, Field Synthesizers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-12.	2.9	1
6	Towards 45 Watt Single-Cycle Pulses from Yb:YAG Thin-Disk Oscillators. , 2019, , .		1
7	Near-Infrared Fieldoscopy of Water. , 2019, , .		0
8	All-Ytterbium Frontend for High-Energy Field Synthesizers. , 2019, , .		0
9	Near-Infrared Molecular Fieldoscopy. , 2019, , .		0
10	Near-infrared molecular fieldoscopy of water. , 2019, , .		1
11	Prospects of third-generation femtosecond laser technology in biological spectromicroscopy. Journal of Optics (United Kingdom), 2018, 20, 054005.	2.2	2
12	Theoretical Study: High Harmonic Generation by Light Transients. Applied Sciences (Switzerland), 2018, 8, 728.	2.5	6
13	Attosecond nanophotonics. Nature Photonics, 2017, 11, 210-212.	31.4	12
14	20 mJ, 1 ps Yb:YAG Thin-disk Regenerative Amplifier. Journal of Visualized Experiments, 2017, , .	0.3	0
15	1â€‰kW, 200â€‰mJ picosecond thin-disk laser system. Optics Letters, 2017, 42, 1381.	3.3	195
16	Cross-polarized, multi-octave supercontinuum generation. Optics Letters, 2017, 42, 2595.	3.3	9
17	Carrier-envelope phase stable, 54â€‰J, broadband, mid-infrared pulse generation from a 1-ps, Yb:YAG thin-disk laser. Applied Optics, 2017, 56, 4990.	2.1	5
18	Cross-polarized supercontinuum generation in LiNbO ₃ for a multi-mJ waveform synthesizer. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Towards multi-mJ, OPCPA-based field synthesizer. , 2017, , .		0
20	High energy, sub-cycle pulse generation at PHz frequency. , 2017, , .		0
21	Yb:YAG-Pumped, Few-Cycle Optical Parametric Amplifiers. , 2016, , .		1
22	Near-PHz-bandwidth, phase-stable continua generated from a Yb:YAG thin-disk amplifier. Optics Express, 2016, 24, 24337.	3.4	34
23	Towards attosecond pulse generation in the X-ray regime. , 2016, , .		0
24	Attosecond nonlinear polarization and light-matter energy transfer in solids. Nature, 2016, 534, 86-90.	27.8	187
25	Sub-cycle light transients for attosecond, X-ray, four-dimensional imaging. Contemporary Physics, 2016, 57, 580-595.	1.8	9
26	Self-compressed, spectral broadening of a Yb:YAG thin-disk amplifier. Optics Express, 2016, 24, 10286.	3.4	6
27	Broadband beamsplitter for high intensity laser applications in the infra-red spectral range. Optics Express, 2016, 24, 16752.	3.4	11
28	High-power, 1-ps, all-Yb:YAG thin-disk regenerative amplifier. Optics Letters, 2016, 41, 1126.	3.3	54
29	How to Amplify Photons. Springer Theses, 2016, , 13-44.	0.1	0
30	Design of a Multi-terawatt Field Synthesizer (LWS-pro). Springer Theses, 2016, , 107-126.	0.1	0
31	Broadband Seed Generation. Springer Theses, 2016, , 45-71.	0.1	0
32	Third-Generation Femtosecond Technology. Springer Theses, 2016, , .	0.1	11
33	Towards high-power, multi-TW light transients. , 2016, , .		4
34	Third-generation femtosecond technology. , 2015, , .		3
35	Decoupling chaotic amplification and nonlinear phase in high-energy thin-disk amplifiers for stable OPCPA pumping. Optics Express, 2014, 22, 31440.	3.4	12
36	Third-generation femtosecond technology. Optica, 2014, 1, 45.	9.3	302

#	ARTICLE	IF	CITATIONS
37	Efficient, octave-spanning difference-frequency generation using few-cycle pulses in simple collinear geometry. Optics Letters, 2013, 38, 4216.	3.3	35
38	Investigation of temporal compression of few-cycle pulses from an ultrabroadband, multi-mJ optical parametric amplifier. , 2013, , .		1
39	Picosecond thin-disk amplifiers with high average power for pumping optical parametric amplifiers. , 2012, , .		0
40	Active stabilization for optically synchronized optical parametric chirped pulse amplification. Optics Express, 2012, 20, 5557.	3.4	35
41	Pump-seed synchronization for MHz repetition rate, high-power optical parametric chirped pulse amplification. Optics Express, 2012, 20, 9833.	3.4	26
42	Carrier-envelope-phase-stable, 12ÂmJ, 15 cycle laser pulses at 21Â¼m. Optics Letters, 2012, 37, 4973.	3.3	150
43	High efficiency, multi-mJ, sub 10 fs, optical parametric amplifier at 3 kHz. , 2012, , .		3
44	Few-cycle Infrared OPCPA system and applications. , 2012, , .		0
45	Thermal analysis of different tips for various operating modes of phacoemulsification system. Journal of Biomedical Science and Engineering, 2010, 03, 727-734.	0.4	1
46	An In-Vitro Measurement of Temperature Changes in Phacoemulsification System During Different Modes. , 2008, , .		2
47	In-Vitro Thermal Study of Different Tips in Various Operating Modes of the Sina Phacoemulsification System. , 0, , .		0