

Daniel Ratner

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

2,892
citations

8
h-index

13
g-index

13
ext. papers

3,318
ext. citations

11.1
avg, IF

3.52
L-index

#	Paper	IF	Citations
12	Dynamics of particle network in composite battery cathodes.. <i>Science</i> , 2022 , 376, 517-521	33.3	11
11	Recovering the phase and amplitude of X-ray FEL pulses using neural networks and differentiable models. <i>Optics Express</i> , 2021 , 29, 20336-20352	3.3	0
10	Temporal X-ray Reconstruction using Temporal and Spectral Measurements at LCLS. <i>Scientific Reports</i> , 2020 , 10, 9799	4.9	2
9	Bayesian Optimization of a Free-Electron Laser. <i>Physical Review Letters</i> , 2020 , 124, 124801	7.4	24
8	Temporal power reconstruction for an x-ray free-electron laser using convolutional neural networks. <i>Physical Review Accelerators and Beams</i> , 2020 , 23,	1.8	3
7	What are the advantages of ghost imaging? Multiplexing for x-ray and electron imaging. <i>Optics Express</i> , 2020 , 28, 5898-5918	3.3	13
6	Pump-Probe Ghost Imaging with SASE FELs. <i>Physical Review X</i> , 2019 , 9,	9.1	8
5	Experimental observations of seed growth and accompanying pedestal contamination in a self-seeded, soft x-ray free-electron laser. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	15
4	Temporal X-ray reconstruction using temporal and spectral measurements. <i>Journal of Physics: Conference Series</i> , 2018 , 1067, 032011	0.3	2
3	Experimental demonstration of a soft x-ray self-seeded free-electron laser. <i>Physical Review Letters</i> , 2015 , 114, 054801	7.4	125
2	Demonstration of self-seeding in a hard-X-ray free-electron laser. <i>Nature Photonics</i> , 2012 , 6, 693-698	33.9	473
1	First lasing and operation of an Ångstrom-wavelength free-electron laser. <i>Nature Photonics</i> , 2010 , 4, 641-647	33.9	2216