

# Daniel Ratner

## List of Publications by Citations

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