

Justin A Newman

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

352
citations

1163117

8
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Synthesis of Hindered Primary and Secondary Amines via Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 468-478.	13.7	86
2	Parts per Million Powder X-ray Diffraction. <i>Analytical Chemistry</i> , 2015, 87, 10950-10955.	6.5	70
3	High frame-rate multichannel beam-scanning microscopy based on Lissajous trajectories. <i>Optics Express</i> , 2014, 22, 24224.	3.4	57
4	Integrated nonlinear optical imaging microscope for on-axis crystal detection and centering at a synchrotron beamline. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 531-540.	2.4	31
5	Dynamic X-ray diffraction sampling for protein crystal positioning. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 188-195.	2.4	19
6	Unified Theory for Polarization Analysis in Second Harmonic and Sum Frequency Microscopy. <i>Biophysical Journal</i> , 2016, 111, 1553-1568.	0.5	18
7	Characterization of salt interferences in second-harmonic generation detection of protein crystals. <i>Journal of Applied Crystallography</i> , 2013, 46, 1903-1906.	4.5	16
8	Imaging local electric fields produced upon synchrotron X-ray exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 696-701.	7.1	9
9	Metal Speciation in Pharmaceutical Process Development: Case Studies and Process/Analytical Challenges for a Palladium-Catalyzed Cross-Coupling Reaction. <i>Organometallics</i> , 2019, 38, 185-193.	2.3	9
10	Guiding synchrotron X-ray diffraction by multimodal video-rate protein crystal imaging. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 959-965.	2.4	8
11	Five-Step Enantioselective Synthesis of Islatravir via Asymmetric Ketone Alkynylation and an Ozonolysis Cascade. <i>Chemistry - A European Journal</i> , 2020, 26, 14118-14123.	3.3	8
12	Intercalating dyes for enhanced contrast in second-harmonic generation imaging of protein crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1471-1477.	2.5	4
13	From Powders to Single Crystals: A Crystallographer's Toolbox for Small-Molecule Structure Determination. <i>Molecular Pharmaceutics</i> , 2022, 19, 2133-2141.	4.6	4
14	Nonlinear Optical Characterization of Membrane Protein Microcrystals and Nanocrystals. <i>Advances in Experimental Medicine and Biology</i> , 2016, 922, 91-103.	1.6	3
15	Sparse sampling image reconstruction in Lissajous trajectory beam-scanning multiphoton microscopy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	3
16	Multi-channel beam-scanning imaging at kHz frame rates by Lissajous trajectory microscopy. , 2015, 9330, 933009.		2
17	Synchrotron X-Ray Diffraction Dynamic Sampling for Protein Crystal Centering. <i>IS&T International Symposium on Electronic Imaging</i> , 2017, 29, 6-9.	0.4	2
18	Second harmonic generation correlation spectroscopy for characterizing translationally diffusing protein nanocrystals. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 849-859.	2.3	1

#	ARTICLE	IF	CITATIONS
19	Bullet-Proofing Doravirine (MK-1439) Starting Material Supply: Rapid Identification and Response to a New Polymorph of Ethyl Ester. <i>Crystal Growth and Design</i> , 2021, 21, 4207-4219.	3.0	1
20	Development of a temporal multiplexed 3D beam-scanning Lissajous trajectory microscope for rapid multimodal volumetric imaging. , 2016, , .		0