

Marcus Gallagher-Jones

List of Publications by Year in descending order

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33
papers

1,238
citations

471509

17
h-index

501196

28
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37
all docs

37
docs citations

37
times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures from the Mesophase: MicroED Targets Crystals Extracted from LCP. <i>Structure</i> , 2020, 28, 1084-1086.	3.3	0
2	Dysregulation of hsa-miR-34a and hsa-miR-449a leads to overexpression of PACS-1 and loss of DNA damage response (DDR) in cervical cancer. <i>Journal of Biological Chemistry</i> , 2020, 295, 17169-17186.	3.4	19
3	A structurally conserved human and <i>Tetrahymena</i> telomerase catalytic core. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31078-31087.	7.1	17
4	Determining Atomic Structures from Digitally Defined Regions of Nanocrystals. <i>Microscopy and Microanalysis</i> , 2020, 26, 748-749.	0.4	0
5	Cryo-EM structure of a human prion fibril with a hydrophobic, protease-resistant core. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 417-423.	8.2	73
6	Atomic structures determined from digitally defined nanocrystalline regions. <i>IUCr</i> , 2020, 7, 490-499.	2.2	8
7	Correlative 3D X-ray Fluorescence and Ptychographic Tomography of Frozen-Hydrated Green Algae. <i>Microscopy and Microanalysis</i> , 2019, 25, 114-115.	0.4	0
8	Nanoscale mosaicity revealed in peptide microcrystals by scanning electron nanodiffraction. <i>Communications Biology</i> , 2019, 2, 26.	4.4	47
9	Direct observation of picosecond melting and disintegration of metallic nanoparticles. <i>Nature Communications</i> , 2019, 10, 2411.	12.8	43
10	Human COQ10A and COQ10B are distinct lipid-binding START domain proteins required for coenzyme Q function. <i>Journal of Lipid Research</i> , 2019, 60, 1293-1310.	4.2	38
11	Homochiral and racemic MicroED structures of a peptide repeat from the ice-nucleation protein InaZ. <i>IUCr</i> , 2019, 6, 197-205.	2.2	16
12	A molecular cross-linking approach for hybrid metal oxides. <i>Nature Materials</i> , 2018, 17, 341-348.	27.5	90
13	Sub-Ångström cryo-EM structure of a prion protofibril reveals a polar clasp. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 131-134.	8.2	87
14	Analysis of Global and Site-Specific Radiation Damage in Cryo-EM. <i>Structure</i> , 2018, 26, 759-766.e4.	3.3	152
15	Correlative 3D x-ray fluorescence and ptychographic tomography of frozen-hydrated green algae. <i>Science Advances</i> , 2018, 4, eaau4548.	10.3	79
16	GENFIRE: from Precisely Localizing Single Atoms in Materials to High Resolution 3D Imaging of Cellular Structures. <i>Microscopy and Microanalysis</i> , 2018, 24, 1446-1447.	0.4	0
17	Single-shot 3D coherent diffractive imaging of core-shell nanoparticles with elemental specificity. <i>Scientific Reports</i> , 2018, 8, 8284.	3.3	10
18	In situ coherent diffractive imaging. <i>Nature Communications</i> , 2018, 9, 1826.	12.8	52

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19	GENFIRE: A generalized Fourier iterative reconstruction algorithm for high-resolution 3D imaging. Scientific Reports, 2017, 7, 10409.	3.3	71
20	Correlative cellular ptychography with functionalized nanoparticles at the Fe L-edge. Scientific Reports, 2017, 7, 4757.	3.3	16
21	GENFIRE: A Generalized Fourier Iterative Reconstruction Algorithm for High-Resolution 3D Electron and X-ray Imaging. Microscopy and Microanalysis, 2017, 23, 128-129.	0.4	0
22	Visualization of a Mammalian Mitochondrion by Coherent X-ray Diffractive Imaging. Scientific Reports, 2017, 7, 1850.	3.3	12
23	Single-pulse enhanced coherent diffraction imaging of bacteria with an X-ray free-electron laser. Scientific Reports, 2016, 6, 34008.	3.3	22
24	Fixed target single-shot imaging of nanostructures using thin solid membranes at SACLA. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 034008.	1.5	17
25	Frontier methods in coherent X-ray diffraction for high-resolution structure determination. Quarterly Reviews of Biophysics, 2016, 49, .	5.7	11
26	Coherent diffraction imaging using focused hard X-rays. Journal of the Korean Physical Society, 2016, 68, 1083-1087.	0.7	0
27	Macromolecular structures probed by combining single-shot free-electron laser diffraction with synchrotron coherent X-ray imaging. Nature Communications, 2014, 5, 3798.	12.8	61
28	Analytic 3D Imaging of Mammalian Nucleus at Nanoscale Using Coherent X-Rays and Optical Fluorescence Microscopy. Biophysical Journal, 2014, 107, 1074-1081.	0.5	24
29	Single-shot three-dimensional structure determination of nanocrystals with femtosecond X-ray free-electron laser pulses. Nature Communications, 2014, 5, 4061.	12.8	91
30	Multiple application X-ray imaging chamber for single-shot diffraction experiments with femtosecond X-ray laser pulses. Journal of Applied Crystallography, 2014, 47, 188-197.	4.5	49
31	Development of an adaptable coherent x-ray diffraction microscope with the emphasis on imaging hydrated specimens. Review of Scientific Instruments, 2013, 84, 113702.	1.3	6
32	Imaging Fully Hydrated Whole Cells by Coherent X-Ray Diffraction Microscopy. Physical Review Letters, 2013, 110, 098103.	7.8	71
33	A benchmarked protein microarray-based platform for the identification of novel low-affinity extracellular protein interactions. Analytical Biochemistry, 2012, 424, 45-53.	2.4	50