

Yong Guan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

543
citations

840776

11
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021, 16, 708-716.	31.5	153
2	Analysis of the three-dimensional microstructure of a solid-oxide fuel cell anode using nano X-ray tomography. <i>Journal of Power Sources</i> , 2011, 196, 1915-1919.	7.8	72
3	Underlying Promotion Mechanism of High Concentration of Silver Nanoparticles on Anammox Process. <i>ACS Nano</i> , 2019, 13, 14500-14510.	14.6	56
4	Quantitative analysis of micro structural and conductivity evolution of Ni-YSZ anodes during thermal cycling based on nano-computed tomography. <i>Journal of Power Sources</i> , 2011, 196, 10601-10605.	7.8	54
5	Nanocomputed Tomography Imaging of Bacterial Alkaline Phosphatase Activity with an Iodinated Hydrogelator. <i>Analytical Chemistry</i> , 2016, 88, 11982-11985.	6.5	27
6	Quantitative imaging of <i>Candida utilis</i> and its organelles by soft X-ray Nano-CT. <i>Journal of Microscopy</i> , 2018, 270, 64-70.	1.8	24
7	Directly observing intracellular nanoparticle formation with nanocomputed tomography. <i>Science Advances</i> , 2020, 6, .	10.3	24
8	Limited angle tomography for transmission X-ray microscopy using deep learning. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 477-485.	2.4	21
9	Method for extending the depth of focus in X-ray microscopy. <i>Optics Express</i> , 2017, 25, 7657.	3.4	14
10	Raman micro-spectroscopy monitoring of cytochrome c redox state in <i>Candida utilis</i> during cell death under low-temperature plasma-induced oxidative stress. <i>Analyst</i> , The, 2020, 145, 3922-3930.	3.5	14
11	Biomimetic inorganic-organic hybrid nanoparticles from magnesium-substituted amorphous calcium phosphate clusters and polyacrylic acid molecules. <i>Bioactive Materials</i> , 2021, 6, 2303-2314.	15.6	14
12	Insight into the structure and metabolic function of iron-rich nanoparticles in anammox bacteria. <i>Science of the Total Environment</i> , 2022, 806, 150879.	8.0	14
13	Quantitative 3D imaging of yeast by hard X-ray tomography. <i>Microscopy Research and Technique</i> , 2012, 75, 662-666.	2.2	13
14	Reconstruction of limited-angle and few-view nano-CT image via total variation iterative reconstruction. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
15	Modeling of gas transport with electrochemical reaction in nickel-yttria-stabilized zirconia anode during thermal cycling by Lattice Boltzmann method. <i>Journal of Power Sources</i> , 2016, 327, 127-134.	7.8	7
16	Jitter correction for transmission X-ray microscopy via measurement of geometric moments. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1808-1814.	2.4	7
17	Quantitative three-dimensional nondestructive imaging of whole anaerobic ammonium-oxidizing bacteria. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 753-761.	2.4	6
18	Precise correlative method of Cryo-SXT and Cryo-FM for organelle identification. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 176-184.	2.4	6

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19	Lattice-Boltzmann modeling of gas transport in Ni-Yttria-stabilized zirconia anodes during thermal cycling based on X-ray computed tomography. <i>Electrochimica Acta</i> , 2014, 121, 386-393.	5.2	5
20	Quantitative analysis methods for three-dimensional microstructure of the solid-oxide fuel cell anode. <i>Journal of Physics: Conference Series</i> , 2013, 463, 012030.	0.4	2
21	High spatial resolution correlative imaging of Cryo-SXM and GSDIM for identification of three-dimensional subcellular structures. <i>OSA Continuum</i> , 0, , .	1.8	2
22	Three Dimensional Imaging of Biological Samples and Nano-materials Using Soft X-ray Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 392-393.	0.4	1