

Yeukuang Hwu

List of Publications by Year in descending order

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42
all docs

42
docs citations

42
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron Radiation and Sensors: A History of Synergies. IEEE Sensors Journal, 2021, 21, 12764-12773.	4.7	3
2	Synchrotron radiation and X-ray free-electron lasers (X-FELs) explained to all users, active and potential. Journal of Synchrotron Radiation, 2021, 28, 1014-1029.	2.4	12
3	Sub-3 Å... Cryo-EM Structures of Necrosis Virus Particles via the Use of Multipurpose TEM with Electron Counting Camera. International Journal of Molecular Sciences, 2021, 22, 6859.	4.1	2
4	High-resolution fast-tomography brain-imaging beamline at the Taiwan Photon Source. Journal of Synchrotron Radiation, 2021, 28, 1662-1668.	2.4	3
5	Imaging with Coherent X-rays: From the Early Synchrotron Tests to SYNAPSE. Journal of Imaging, 2021, 7, 132.	3.0	4
6	XFEL coherent diffraction imaging for weakly scattering particles using heterodyne interference. AIP Advances, 2020, 10, .	1.3	9
7	A synchrotron X-ray imaging strategy to map large animal brains. Chinese Journal of Physics, 2020, 65, 24-32.	3.9	24
8	Design, characterization, and performance of a hard x-ray transmission microscope at the National Synchrotron Light Source II 18-ID beamline. Review of Scientific Instruments, 2019, 90, 053701.	1.3	26
9	Gold nano-mesh synthesis by continuous-flow X-ray irradiation. Journal of Synchrotron Radiation, 2019, 26, 1929-1935.	2.4	3
10	Simulation of single bio particles in XFEL coherent diffractionâ€“master curve for photon counts estimation. AIP Conference Proceedings, 2019, , .	0.4	1
11	3D Digital Pathology for a Chemical-Functional Analysis of Glomeruli in Health and Pathology. Analytical Chemistry, 2018, 90, 3811-3818.	6.5	8
12	Morphological changes of the optic lobe from late embryonic to adult stages in oval squids <i>Sepioteuthis lessoniana</i> . Journal of Morphology, 2018, 279, 75-85.	1.2	12
13	3D chemical imaging of the brain using quantitative IR spectro-microscopy. Chemical Science, 2018, 9, 189-198.	7.4	7
14	Correction of center of rotation and projection angle in synchrotron X-ray computed tomography. Scientific Reports, 2018, 8, 9884.	3.3	30
15	Differential synchrotron X-ray imaging markers based on the renal microvasculature for tubulointerstitial lesions and glomerulopathy. Scientific Reports, 2017, 7, 3488.	3.3	10
16	Q&A: Why use synchrotron x-ray tomography for multi-scale connectome mapping?. BMC Biology, 2017, 15, 122.	3.8	34
17	X-ray spectrometry and imaging for ancient administrative handwritten documents. X-Ray Spectrometry, 2015, 44, 93-98.	1.4	25
18	Direct-write X-ray lithography using a hard X-ray Fresnel zone plate. Journal of Synchrotron Radiation, 2015, 22, 781-785.	2.4	2

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19	X-ray-induced Cu deposition and patterning on insulators at room temperature. Journal of Synchrotron Radiation, 2015, 22, 1524-1527.	2.4	6
20	Image Alignment for Tomography Reconstruction from Synchrotron X-Ray Microscopic Images. PLoS ONE, 2014, 9, e84675.	2.5	17
21	The N-terminal portion of autoinhibitory element modulates human endothelial nitric-oxide synthase activity through coordinated controls of phosphorylation at Thr495 and Ser1177. Bioscience Reports, 2014, 34, .	2.4	12
22	Pegylated Gold Nanoparticles Induce Apoptosis in Human Chronic Myeloid Leukemia Cells. BioMed Research International, 2014, 2014, 1-9.	1.9	19
23	A compact synchrotron-based transmission X-ray microscope. Journal of Synchrotron Radiation, 2014, 21, 376-379.	2.4	1
24	Annealing Effect on the Properties of $\text{Cu}_{0.7}\text{Ga}_{0.3}\text{Se}$ Thin Films Grown by Femtosecond Pulsed Laser Deposition. Journal of the American Ceramic Society, 2013, 96, 2419-2423.	3.8	13
25	Design and characterization of a compact nano-positioning system for a portable transmission x-ray microscope. Review of Scientific Instruments, 2013, 84, 123702.	1.3	11
26	Hard-X-ray Zone Plates: Recent Progress. Materials, 2012, 5, 1752-1773.	2.9	49
27	Chemical auxiliary-free polymerization yielding non-linear PEG for protein-resistant application. RSC Advances, 2012, 2, 7174.	3.6	1
28	Probing Protein Association with Nano- and Micro-Scale Structures with ToF-SIMS. ACS Symposium Series, 2012, , 709-729.	0.5	0
29	Recent Advances in Dynamic Monitoring of Drug Release of Nanoparticle Using Förster Resonance Energy Transfer and Fluorescence Lifetime Imaging. Journal of the Chinese Chemical Society, 2011, 58, 798-804.	1.4	7
30	SR phase contrast imaging to address the evolution of defects during SiC growth. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 819-824.	1.8	7
31	Full-field hard x-ray microscopy below 30 nm: a challenging nanofabrication achievement. Nanotechnology, 2008, 19, 395302.	2.6	86
32	Three-Dimensional (3D) Polypyrrole Microstructures with High Aspect Ratios Fabricated by Localized Electropolymerization. Macromolecules, 2008, 41, 3071-3074.	4.8	17
33	Nondestructive Characterization by Advanced Synchrotron Light Techniques: Spectromicroscopy and Coherent Radiology. Sensors, 2008, 8, 8378-8400.	3.8	6
34	The electronic structure of S-layer proteins from Lactobacillus brevis. Optoelectronic and Microelectronic Materials and Devices (COMMAD), Conference on, 2008, , .	0.0	0
35	Development and Applications of a Phase Contrast Imaging and Tomography Facility (PCIT) at Singapore Synchrotron Light Source. AIP Conference Proceedings, 2007, , .	0.4	0
36	Phase contrast X-ray imaging. International Journal of Nanotechnology, 2006, 3, 280.	0.2	34

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37	Half-metallic ferromagnetism with high magnetic moment and high Curie temperature in Co ₂ FeSi. Journal of Applied Physics, 2006, 99, 08J103.	2.5	63
38	Synchrotron refractive-index microradiography of human liver cancer tissue. Science Bulletin, 2005, 50, 2657-2661.	1.7	1
39	Synchrotron radiation in radiology: radiology techniques based on synchrotron sources. European Radiology, 2004, 14, 1550-60.	4.5	65
40	P-29: X-Ray Absorption of Oxide Cathode Emission Materials. Digest of Technical Papers SID International Symposium, 2003, 34, 308.	0.3	1
41	Structural Evolution of Ni/Au Contact on GaN(0001). Materials Research Society Symposia Proceedings, 2000, 639, 1171.	0.1	0