

Martin Krenkel

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

515
citations

759233

12
h-index

1058476

14
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16
all docs

16
docs citations

16
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotomographic evaluation of precipitate structure evolution in a Mg-Zn-Zr alloy during plastic deformation. <i>Scientific Reports</i> , 2020, 10, 16101.	3.3	4
2	A phase-retrieval toolbox for X-ray holography and tomography. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 852-859.	2.4	49
3	Three-dimensional mouse brain cytoarchitecture revealed by laboratory-based x-ray phase-contrast tomography. <i>Scientific Reports</i> , 2017, 7, 42847.	3.3	67
4	Combined scanning X-ray diffraction and holographic imaging of cardiomyocytes. <i>Journal of Applied Crystallography</i> , 2017, 50, 612-620.	4.5	18
5	Three-dimensional single-cell imaging with X-ray waveguides in the holographic regime. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, 282-292.	0.1	25
6	Phase-contrast tomography of neuronal tissues: from laboratory- to high resolution synchrotron CT. <i>Proceedings of SPIE</i> , 2016, , .	0.8	15
7	Propagation-based phase-contrast tomography for high-resolution lung imaging with laboratory sources. <i>AIP Advances</i> , 2016, 6, 035007.	1.3	42
8	Laboratory-based x-ray phase-contrast tomography enables 3D virtual histology. <i>Proceedings of SPIE</i> , 2016, , .	0.8	18
9	Regularized Newton methods for x-ray phase contrast and general imaging problems. <i>Optics Express</i> , 2016, 24, 6490.	3.4	43
10	10.1063/1.4943898.1., 2016, , .		0
11	Phase-contrast zoom tomography reveals precise locations of macrophages in mouse lungs. <i>Scientific Reports</i> , 2015, 5, 9973.	3.3	63
12	Compound focusing mirror and X-ray waveguide optics for coherent imaging and nano-diffraction. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 867-878.	2.4	83
13	Functionalized synchrotron in-line phase-contrast computed tomography: a novel approach for simultaneous quantification of structural alterations and localization of barium-labelled alveolar macrophages within mouse lung samples. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 143-155.	2.4	27
14	X-ray phase contrast tomography from whole organ down to single cells. <i>Proceedings of SPIE</i> , 2014, , .	0.8	6
15	Phase contrast tomography of the mouse cochlea at microfocus x-ray sources. <i>Applied Physics Letters</i> , 2013, 103, 083703.	3.3	55