

Goran Lovric

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

422
citations

686830

13
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose optimization approach to fast X-ray microtomography of the lung alveoli. <i>Journal of Applied Crystallography</i> , 2013, 46, 856-860.	1.9	59
2	Synchrotron-based phase-contrast micro-CT as a tool for understanding pulmonary vascular pathobiology and the 3-D microanatomy of alveolar capillary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L65-L75.	1.3	38
3	Diffraction small angle X-ray scattering imaging for anisotropic structures. <i>Nature Communications</i> , 2019, 10, 5130.	5.8	36
4	A multi-purpose imaging endstation for high-resolution micrometer-scaled sub-second tomography. <i>Physica Medica</i> , 2016, 32, 1771-1778.	0.4	34
5	Tomographic in vivo microscopy for the study of lung physiology at the alveolar level. <i>Scientific Reports</i> , 2017, 7, 12545.	1.6	28
6	Stomatal closure prevents the drop in soil water potential around roots. <i>New Phytologist</i> , 2020, 226, 1541-1543.	3.5	28
7	Sub-trabecular strain evolution in human trabecular bone. <i>Scientific Reports</i> , 2020, 10, 13788.	1.6	27
8	The impact of drought-induced root and root hair shrinkage on root-soil contact. <i>Plant Physiology</i> , 2022, 189, 1232-1236.	2.3	26
9	Micrometer-resolution X-ray tomographic full-volume reconstruction of an intact post-mortem juvenile rat lung. <i>Histochemistry and Cell Biology</i> , 2021, 155, 215-226.	0.8	22
10	A new bioinspired method for pressure and flow sensing based on the underwater air-retaining surface of the backswimmer <i>Notonecta</i> . <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 3039-3047.	1.5	19
11	Simultaneous Quantitation of Cationic and Non-ionic Contrast Agents in Articular Cartilage Using Synchrotron MicroCT Imaging. <i>Scientific Reports</i> , 2019, 9, 7118.	1.6	16
12	Synchrotron MicroCT Reveals the Potential of the Dual Contrast Technique for Quantitative Assessment of Human Articular Cartilage Composition. <i>Journal of Orthopaedic Research</i> , 2020, 38, 563-573.	1.2	16
13	Automated computer-assisted quantitative analysis of intact murine lungs at the alveolar scale. <i>PLoS ONE</i> , 2017, 12, e0183979.	1.1	14
14	Co-localization of microstructural damage and excessive mechanical strain at aortic branches in angiotensin-II-infused mice. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 81-97.	1.4	11
15	Triple Contrast CT Method Enables Simultaneous Evaluation of Articular Cartilage Composition and Segmentation. <i>Annals of Biomedical Engineering</i> , 2020, 48, 556-567.	1.3	10
16	A robust tool for photon source geometry measurements using the fractional Talbot effect. <i>Optics Express</i> , 2014, 22, 2745.	1.7	9
17	Simultaneous Reciprocal and Real Space X-Ray Imaging of Time-Evolving Systems. <i>Physical Review Applied</i> , 2021, 15, .	1.5	8
18	Imaging samples larger than the field of view: the SLS experience. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012004.	0.3	6

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19	Synchrotron X-Ray-Based Functional and Anatomical Lung Imaging Techniques. <i>Fundamental Biomedical Technologies</i> , 2018, , 151-167.	0.2	5
20	Early Morphofunctional Changes in AngII-Infused Mice Contribute to Regional Onset of Aortic Aneurysm and Dissection. <i>Journal of Vascular Research</i> , 2020, 57, 367-375.	0.6	4
21	Synchrotron-based phase contrast imaging of cardiovascular tissue in mice—grating interferometry or phase propagation?. <i>Biomedical Physics and Engineering Express</i> , 2018, 5, 015010.	0.6	3
22	Effective segmentation of fresh post-mortem murine lung parenchyma in phase contrast X-ray tomographic microscopy images. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012006.	0.3	2
23	Sub-micrometer morphology of human atherosclerotic plaque revealed by synchrotron radiation-based μ CT—A comparison with histology. <i>PLoS ONE</i> , 2022, 17, e0265598.	1.1	1