

Bertrand Simon

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

645
citations

933447

10
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-ppb mercury detection in real environmental samples with an improved rhodamine-based detection system. <i>Talanta</i> , 2021, 224, 121909.	5.5	9
2	Mirror-effect based tomographic diffraction microscopy. , 2020, , .		0
3	Curved microdisplay, from optical design to mechanical study: impact on form-factor and light efficiency in visual systems. , 2020, , .		1
4	Tomographic Diffractive Microscopy: Principles, Implementations, and Applications in Biology. <i>Biological and Medical Physics Series</i> , 2019, , 85-112.	0.4	3
5	Versatile transmission/reflection tomographic diffractive microscopy approach. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019, 36, C18.	1.5	6
6	Simplified tomographic diffractive microscopy for axisymmetric samples. <i>OSA Continuum</i> , 2019, 2, 1039.	1.8	8
7	Tomographic diffractive microscopy: Towards high-resolution 3-D real-time data acquisition, image reconstruction and display of unlabeled samples. <i>Optics Communications</i> , 2018, 422, 28-37.	2.1	19
8	Isotropic-Resolution Tomographic Diffractive Microscopy. , 2018, , .		0
9	Quantitative approaches of nanofibers organization for biomedical patterned nanofibrous scaffold by image analysis. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2963-2972.	4.0	10
10	Simplified approach for tomographic diffractive microscopy of axisymmetric samples. , 2018, , .		0
11	Tomographic diffractive microscopy with isotropic resolution. <i>Optica</i> , 2017, 4, 460.	9.3	99
12	Overview of label-free far field optical nanoscopy techniques for nanometrology. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
13	3D high- and isotropic resolution in tomographic diffractive microscopy by illumination angular scanning, specimen rotation and improved data recombination. , 2016, , .		0
14	Tomographic diffractive microscopy and multiview profilometry with flexible aberration correction. <i>Applied Optics</i> , 2014, 53, 748.	1.8	31
15	Image acquisition, processing and reconstruction in holographic and tomographic diffractive microscopy. , 2014, , .		0
16	GPU acceleration towards real-time image reconstruction in 3D tomographic diffractive microscopy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7
17	High-resolution tomographic diffractive microscopy of biological samples. <i>Journal of Biophotonics</i> , 2010, 3, 462-467.	2.3	59
18	High resolution reflection tomographic diffractive microscopy. <i>Journal of Modern Optics</i> , 2010, 57, 740-745.	1.3	25

#	ARTICLE	IF	CITATIONS
19	Saturated structured confocal microscopy with theoretically unlimited resolution. Optics Communications, 2009, 282, 3657-3664.	2.1	26
20	High-resolution three-dimensional tomographic diffractive microscopy of transparent inorganic and biological samples. Optics Letters, 2009, 34, 79.	3.3	167
21	Holographic microscopy and diffractive microtomography of transparent samples. Measurement Science and Technology, 2008, 19, 074009.	2.6	122
22	<title>Recent advances in 3-D fluorescence microscopy: tomography as a source of information</title>. Proceedings of SPIE, 2008, , .	0.8	3
23	Biological samples observed with diffractive tomographic microscopy. , 2008, , .		0
24	Tomographic diffractive microscopy of transparent samples. EPJ Applied Physics, 2008, 44, 29-35.	0.7	29
25	Multi-kernel deconvolution applied to confocal fluorescence microscopy with engineered point spread function. Journal of the European Optical Society-Rapid Publications, 2006, 1, .	1.9	4
26	Improving the lateral resolution in confocal fluorescence microscopy using laterally interfering excitation beams. Optics Communications, 2006, 259, 400-408.	2.1	15
27	The point spread function of fluorescence microscopes imaging through a layered or an inhomogeneous medium. , 2004, 5462, 11.		0