

# Bertrand Simon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3094217/publications.pdf>

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	High-resolution three-dimensional tomographic diffractive microscopy of transparent inorganic and biological samples. <i>Optics Letters</i> , 2009, 34, 79.	3.3	167
2	Holographic microscopy and diffractive microtomography of transparent samples. <i>Measurement Science and Technology</i> , 2008, 19, 074009.	2.6	122
3	Tomographic diffractive microscopy with isotropic resolution. <i>Optica</i> , 2017, 4, 460.	9.3	99
4	High-resolution tomographic diffractive microscopy of biological samples. <i>Journal of Biophotonics</i> , 2010, 3, 462-467.	2.3	59
5	Tomographic diffractive microscopy and multiview profilometry with flexible aberration correction. <i>Applied Optics</i> , 2014, 53, 748.	1.8	31
6	Tomographic diffractive microscopy of transparent samples. <i>EPJ Applied Physics</i> , 2008, 44, 29-35.	0.7	29
7	Saturated structured confocal microscopy with theoretically unlimited resolution. <i>Optics Communications</i> , 2009, 282, 3657-3664.	2.1	26
8	High resolution reflection tomographic diffractive microscopy. <i>Journal of Modern Optics</i> , 2010, 57, 740-745.	1.3	25
9	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
10	Improving the lateral resolution in confocal fluorescence microscopy using laterally interfering excitation beams. <i>Optics Communications</i> , 2006, 259, 400-408.	2.1	15
11	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
12	Sub-ppb mercury detection in real environmental samples with an improved rhodamine-based detection system. <i>Talanta</i> , 2021, 224, 121909.	5.5	9
13	Simplified tomographic diffractive microscopy for axisymmetric samples. <i>OSA Continuum</i> , 2019, 2, 1039.	1.8	8
14	GPU acceleration towards real-time image reconstruction in 3D tomographic diffractive microscopy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7
15	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
16	Multi-kernel deconvolution applied to confocal fluorescence microscopy with engineered point spread function. <i>Journal of the European Optical Society-Rapid Publications</i> , 2006, 1, .	1.9	4
17	<title>Recent advances in 3-D fluorescence microscopy: tomography as a source of information</title>. <i>Proceedings of SPIE</i> , 2008, , .	0.8	3
18	Tomographic Diffractive Microscopy: Principles, Implementations, and Applications in Biology. <i>Biological and Medical Physics Series</i> , 2019, , 85-112.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Overview of label-free far field optical nanoscopy techniques for nanometrology. Proceedings of SPIE, 2016, , .	0.8	1
20	Curved microdisplay, from optical design to mechanical study: impact on form-factor and light efficiency in visual systems. , 2020, , .		1
21	The point spread function of fluorescence microscopes imaging through a layered or an inhomogeneous medium. , 2004, 5462, 11.		0
22	Biological samples observed with diffractive tomographic microscopy. , 2008, , .		0
23	Image acquisition, processing and reconstruction in holographic and tomographic diffractive microscopy. , 2014, , .		0
24	3D high- and isotropic resolution in tomographic diffractive microscopy by illumination angular scanning, specimen rotation and improved data recombination. , 2016, , .		0
25	Isotropic-Resolution Tomographic Diffractive Microscopy. , 2018, , .		0
26	Simplified approach for tomographic diffractive microscopy of axisymmetric samples. , 2018, , .		0
27	Mirror-effect based tomographic diffraction microscopy. , 2020, , .		0