Saiedeh Saghafi

List of Publications by Year
in descending order

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37 papers	1,017 citations	516710 16 h-index	501196 28 g-index
38 all docs	38 docs citations	38 times ranked	1290 citing authors

#	Article	IF	Citations
1	Engineering a better light sheet in an axiconâ€based system using a flattened Gaussian beam of low order. Journal of Biophotonics, 2022, 15, e202100342.	2.3	7
2	Visualizing minute details in lightâ€sheet and confocal microscopy data by combining 3D rolling ball filtering and deconvolution. Journal of Biophotonics, 2021, , e202100290.	2.3	3
3	3D histopathology of human tumours by fast clearing and ultramicroscopy. Scientific Reports, 2020, 10, 17619.	3.3	39
4	A versatile depigmentation, clearing, and labeling method for exploring nervous system diversity. Science Advances, 2020, 6, eaba0365.	10.3	56
5	Chemical Clearing of GFP-Expressing Neural Tissues. Neuromethods, 2020, , 183-199.	0.3	0
6	Ultramicroscopy of Nerve Fibers and Neurons: Fine-Tuning the Light Sheets. Neuromethods, 2020, , 325-339.	0.3	1
7	Highâ€resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). Journal of Biophotonics, 2019, 12, e201800368.	2.3	51
8	Deconvolution of light sheet microscopy recordings. Scientific Reports, 2019, 9, 17625.	3.3	33
9	Reshaping a multimode laser beam into a constructed Gaussian beam for generating a thin light sheet. Journal of Biophotonics, 2018, 11, e201700213.	2.3	3
10	O utlook on optimizing ultramicroscopy imaging technique through optical characterization. Microscopy Research and Technique, 2018, 81, 929-935.	2.2	2
11	High-resolution ultramicroscopy of the developing and adult nervous system in optically cleared Drosophila melanogaster. Nature Communications, 2018, 9, 4731.	12.8	54
12	Breaking the diffraction limit of light sheets allows fast isotropic imaging of large samples by ultramicroscopy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY32-2.	0.0	0
13	Light-Sheet Fluorescence Microscopy: Chemical Clearing and Labeling Protocols for Ultramicroscopy. Methods in Molecular Biology, 2017, 1563, 33-49.	0.9	4
14	Characterizing output beam of a multimode laser using modal analysis method. Proceedings of SPIE, 2017, , .	0.8	0
15	Trichobilharzia regenti (Schistosomatidae): 3D imaging techniques in characterization of larval migration through the CNS of vertebrates. Micron, 2016, 83, 62-71.	2.2	11
16	Recent developments in light sheet ultramicroscopy imaging techniques. , 2015, , .		0
17	Ultramicroscopy: development and outlook. Neurophotonics, 2015, 2, 041407.	3.3	22
18	Recent developments in light sheet ultramicroscopy imaging techniques. , 2015, , .		1

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19	Reduction of Photo Bleaching and Long Term Archiving of Chemically Cleared GFP-Expressing Mouse Brains. PLoS ONE, 2014, 9, e114149.	2.5	21
20	3Dâ€ultramicroscopy utilizing aspheric optics. Journal of Biophotonics, 2014, 7, 117-125.	2.3	35
21	Ultramicroscopy: Light-Sheet-Based Microscopy for Imaging Centimeter-Sized Objects with Micrometer Resolution. Cold Spring Harbor Protocols, 2013, 2013, pdb.top076539.	0.3	21
22	Effects of UV-, Visible-, Near-Infrared Beams in Three Therapy Resistance Case Studies of Fungal Skin infections. Optics and Photonics Journal, 2013, 03, 1-10.	0.4	4
23	Recent development in light Ultramicroscopy using aspherical optical elements. , 2012, , .		1
24	Chemical Clearing and Dehydration of GFP Expressing Mouse Brains. PLoS ONE, 2012, 7, e33916.	2.5	249
25	Ultramicroscopy â€“ a novel light sheet based imaging technique created by various research disciplines. Elektrotechnik Und Informationstechnik, 2011, 128, 352-358.	1.1	1
26	Image enhancement in ultramicroscopy by improved laser light sheets. Journal of Biophotonics, 2010, 3, 686-695.	2.3	17
27	Effect of salinity and radiation on proline accumulation in seeds of canola (Brassica napus L.). Plant, Soil and Environment, 2010, 56, 312-317.	2.2	23
28	Nonlinear responses and optical limiting behavior of Basic Violet 16 dye under CW laser illumination. Optik, 2009, 120, 1000-1006.	2.9	59
29	Propagation of laser beams formed by unstable resonators with different magnifications. Canadian Journal of Physics, 2006, 84, 241-252.	1.1	1
30	Characterizing flat-top laser beams using standard beam parameters. Canadian Journal of Physics, 2006, 84, 223-240.	1.1	8
31	Beam propagation analysis in unstable laser resonators (ULR): low to high magnification. , 2003, , .		0
32	Characterizing output beams for lasers that use high-magnification unstable resonators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 1634.	1.5	5
33	Characterising elegant and standard Hermiteâ€“Gaussian beam modes. Optics Communications, 2001, 191, 173-179.	2.1	70
34	Beam modes beyond the paraxial approximation: A scalar treatment. Physical Review A, 1998, 57, 2971-2979.	2.5	134
35	Near field and far field of elegant Hermite-Gaussian and Laguerre-Gaussian modes. Journal of Modern Optics, 1998, 45, 1999-2009.	1.3	76
36	Alteration of optical and morphological properties of polycarbonate illuminated by visible/IR laser beams. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	2

#	Article	IF	Citations
37	Investigating the effects of laser beams (532 nm and 660 nm) in annihilation of pistachio mould fungus using spectrophotometry analysis. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	3