

# Saiedeh Saghafi

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Chemical Clearing and Dehydration of GFP Expressing Mouse Brains. <i>PLoS ONE</i> , 2012, 7, e33916.	2.5	249
2	Beam modes beyond the paraxial approximation: A scalar treatment. <i>Physical Review A</i> , 1998, 57, 2971-2979.	2.5	134
3	Near field and far field of elegant Hermite-Gaussian and Laguerre-Gaussian modes. <i>Journal of Modern Optics</i> , 1998, 45, 1999-2009.	1.3	76
4	Characterising elegant and standard Hermite-Gaussian beam modes. <i>Optics Communications</i> , 2001, 191, 173-179.	2.1	70
5	Nonlinear responses and optical limiting behavior of Basic Violet 16 dye under CW laser illumination. <i>Optik</i> , 2009, 120, 1000-1006.	2.9	59
6	A versatile depigmentation, clearing, and labeling method for exploring nervous system diversity. <i>Science Advances</i> , 2020, 6, eaba0365.	10.3	56
7	High-resolution ultramicroscopy of the developing and adult nervous system in optically cleared <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2018, 9, 4731.	12.8	54
8	High-resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). <i>Journal of Biophotonics</i> , 2019, 12, e201800368.	2.3	51
9	3D histopathology of human tumours by fast clearing and ultramicroscopy. <i>Scientific Reports</i> , 2020, 10, 17619.	3.3	39
10	3D-ultramicroscopy utilizing aspheric optics. <i>Journal of Biophotonics</i> , 2014, 7, 117-125.	2.3	35
11	Deconvolution of light sheet microscopy recordings. <i>Scientific Reports</i> , 2019, 9, 17625.	3.3	33
12	Effect of salinity and radiation on proline accumulation in seeds of canola ( <i>Brassica napus</i> L.). <i>Plant, Soil and Environment</i> , 2010, 56, 312-317.	2.2	23
13	Ultramicroscopy: development and outlook. <i>Neurophotonics</i> , 2015, 2, 041407.	3.3	22
14	Ultramicroscopy: Light-Sheet-Based Microscopy for Imaging Centimeter-Sized Objects with Micrometer Resolution. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top076539.	0.3	21
15	Reduction of Photo Bleaching and Long Term Archiving of Chemically Cleared GFP-Expressing Mouse Brains. <i>PLoS ONE</i> , 2014, 9, e114149.	2.5	21
16	Image enhancement in ultramicroscopy by improved laser light sheets. <i>Journal of Biophotonics</i> , 2010, 3, 686-695.	2.3	17
17	<i>Trichobilharzia regenti</i> (Schistosomatidae): 3D imaging techniques in characterization of larval migration through the CNS of vertebrates. <i>Micron</i> , 2016, 83, 62-71.	2.2	11
18	Characterizing flat-top laser beams using standard beam parameters. <i>Canadian Journal of Physics</i> , 2006, 84, 223-240.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Engineering a better light sheet in an axicon-based system using a flattened Gaussian beam of low order. <i>Journal of Biophotonics</i> , 2022, 15, e202100342.	2.3	7
20	Characterizing output beams for lasers that use high-magnification unstable resonators. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1634.	1.5	5
21	Light-Sheet Fluorescence Microscopy: Chemical Clearing and Labeling Protocols for Ultramicroscopy. <i>Methods in Molecular Biology</i> , 2017, 1563, 33-49.	0.9	4
22	Effects of UV-, Visible-, Near-Infrared Beams in Three Therapy Resistance Case Studies of Fungal Skin infections. <i>Optics and Photonics Journal</i> , 2013, 03, 1-10.	0.4	4
23	Investigating the effects of laser beams (532 nm and 660 nm) in annihilation of pistachio mould fungus using spectrophotometry analysis. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 5, .	1.9	3
24	Reshaping a multimode laser beam into a constructed Gaussian beam for generating a thin light sheet. <i>Journal of Biophotonics</i> , 2018, 11, e201700213.	2.3	3
25	Visualizing minute details in light-sheet and confocal microscopy data by combining 3D rolling ball filtering and deconvolution. <i>Journal of Biophotonics</i> , 2021, , e202100290.	2.3	3
26	Alteration of optical and morphological properties of polycarbonate illuminated by visible/IR laser beams. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 5, .	1.9	2
27	Outlook on optimizing ultramicroscopy imaging technique through optical characterization. <i>Microscopy Research and Technique</i> , 2018, 81, 929-935.	2.2	2
28	Propagation of laser beams formed by unstable resonators with different magnifications. <i>Canadian Journal of Physics</i> , 2006, 84, 241-252.	1.1	1
29	Ultramicroscopy "a novel light sheet based imaging technique created by various research disciplines. <i>Elektrotechnik Und Informationstechnik</i> , 2011, 128, 352-358.	1.1	1
30	Recent development in light Ultramicroscopy using aspherical optical elements. , 2012, , .		1
31	Recent developments in light sheet ultramicroscopy imaging techniques. , 2015, , .		1
32	Ultramicroscopy of Nerve Fibers and Neurons: Fine-Tuning the Light Sheets. <i>Neuromethods</i> , 2020, , 325-339.	0.3	1
33	Beam propagation analysis in unstable laser resonators (ULR): low to high magnification. , 2003, , .		0
34	Recent developments in light sheet ultramicroscopy imaging techniques. , 2015, , .		0
35	Characterizing output beam of a multimode laser using modal analysis method. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
36	Breaking the diffraction limit of light sheets allows fast isotropic imaging of large samples by ultramicroscopy. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY32-2.	0.0	0

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37	Chemical Clearing of GFP-Expressing Neural Tissues. <i>Neuromethods</i> , 2020, , 183-199.	0.3	0