

Athanasios D Zacharopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

310
citations

1163117

8
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional reconstruction of shape and piecewise constant region values for optical tomography using spherical harmonic parametrization and a boundary element method. <i>Inverse Problems</i> , 2006, 22, 1509-1532.	2.0	68
2	Diffuse photon propagation in multilayered geometries. <i>Physics in Medicine and Biology</i> , 2006, 51, 497-516.	3.0	56
3	A matrix-free algorithm for multiple wavelength fluorescence tomography. <i>Optics Express</i> , 2009, 17, 3042.	3.4	40
4	Reconstruction of subdomain boundaries of piecewise constant coefficients of the radiative transfer equation from optical tomography data. <i>Inverse Problems</i> , 2006, 22, 2175-2196.	2.0	26
5	A Customized Light Sheet Microscope to Measure Spatio-Temporal Protein Dynamics in Small Model Organisms. <i>PLoS ONE</i> , 2015, 10, e0127869.	2.5	25
6	3D shape based reconstruction of experimental data in Diffuse Optical Tomography. <i>Optics Express</i> , 2009, 17, 18940.	3.4	24
7	Micro-Computed Tomographic Evaluation of Canal Transportation and Centering Ability of 4 Heat-Treated Nickel-Titanium Systems. <i>Journal of Endodontics</i> , 2020, 46, 675-681.	3.1	24
8	Parameter and structure reconstruction in optical tomography. <i>Journal of Physics: Conference Series</i> , 2008, 135, 012001.	0.4	12
9	Fluorescence Diffusion in the Presence of Optically Clear Tissues in a Mouse Head Model. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1086-1093.	8.9	7
10	Fabrication and characterization of a 3-D non-homogeneous tissue-like mouse phantom for optical imaging. , 2013, , .		6
11	Demonstrating Improved Multiple Transport Mean Free Path Imaging Capabilities of Light Sheet Microscopy in the Quantification of Fluorescence Dynamics. <i>Biotechnology Journal</i> , 2018, 13, 1700419.	3.5	6
12	Development of in-vivo fluorescence imaging with the Matrix-Free method. <i>Journal of Physics: Conference Series</i> , 2010, 255, 012006.	0.4	5
13	Light propagation through weakly scattering media. A study of Monte Carlo vs. Diffusion Theory with application to Neuroimaging. , 2015, , .		4
14	Development of a three-dimensional surface imaging system for melanocytic skin lesion evaluation. <i>Journal of Biomedical Optics</i> , 2013, 18, 016009.	2.6	3
15	The role of cerebral spinal fluid in light propagation through the mouse head: improving fluorescence tomography with Monte Carlo modeling. , 2016, , .		2
16	Kinetics of T-cell receptor-dependent antigen recognition determined <i>in vivo</i> by multi-spectral normalized epifluorescence laser scanning. <i>Journal of Biomedical Optics</i> , 2012, 17, 0760131.	2.6	1
17	Light propagation through weakly scattering media: a study of Monte Carlo vs. diffusion theory with application to neuroimaging. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
18	Optical projection tomography and light sheet microscopy for imaging in biological specimens a comparison study. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Phase-retrieved optical projection tomography for 3D imaging through scattering layers. Proceedings of SPIE, 2016, , .	0.8	0
20	Multispectral Fluorescence Enhanced Diffuse Optical Tomography Evaluated with Weight Matrix Free Algorithm. , 2008, , .		0