

Michael S D Smith

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

160
citations

1478505

6
h-index

1588992

8
g-index

14
all docs

14
docs citations

14
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of texture parameters for the quantitative description of multimodal nonlinear optical images from atherosclerotic rabbit arteries. <i>Physics in Medicine and Biology</i> , 2011, 56, 5319-5334.	3.0	57
2	Multimodal nonlinear optical imaging of atherosclerotic plaque development in myocardial infarction-prone rabbits. <i>Journal of Biomedical Optics</i> , 2010, 15, 020501.	2.6	32
3	Differentiating atherosclerotic plaque burden in arterial tissues using femtosecond CARS-based multimodal nonlinear optical imaging. <i>Biomedical Optics Express</i> , 2010, 1, 59.	2.9	25
4	Fractal dimension and directional analysis of elastic and collagen fiber arrangement in unsectioned arterial tissues affected by atherosclerosis and aging. <i>Journal of Applied Physiology</i> , 2019, 126, 638-646.	2.5	14
5	An Immersive and Interactive Platform for Cognitive Assessment and Rehabilitation (bWell): Design and Iterative Development Process. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2021, 8, e26629.	2.2	12
6	Development of a laser speckle imaging system for measuring relative blood flow velocity. , 2006, 6343, 27.		8
7	Semi-Parametric Estimation in the Compositional Modeling of Multicomponent Systems from Raman Spectroscopic Data. <i>Applied Spectroscopy</i> , 2006, 60, 877-883.	2.2	7
8	Using multimodal femtosecond CARS imaging to determine plaque burden in luminal atherosclerosis. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
9	A single-photon fluorescence and multi-photon spectroscopic study of atherosclerotic lesions. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
10	Label-free imaging of arterial tissues using photonic crystal fiber (PCF) based nonlinear optical microscopic system. , 2009, , .		0
11	Maximization of signal-to-noise ratio in optical coherence tomography using a depth-dependent matched filter. , 2012, , .		0
12	Characterization of Optical Coherence Tomography Images Acquired at Large Distances With Large-Diameter Beams. <i>IEEE Photonics Journal</i> , 2014, 6, 1-11.	2.0	0
13	Ex-vivo evaluation of an early caries detector based on integrated OCT and polarized Raman spectroscopy (Conference Presentation). , 2017, , .		0