

Alba Alfonso-Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

748
citations

623734

14
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	First in patient assessment of brain tumor infiltrative margins using simultaneous time-resolved measurements of 5-ALA-induced PpIX fluorescence and tissue autofluorescence. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	7
2	Assessment of Murine Colon Inflammation Using Intraluminal Fluorescence Lifetime Imaging. <i>Molecules</i> , 2022, 27, 1317.	3.8	4
3	Mesoscopic fluorescence lifetime imaging: Fundamental principles, clinical applications and future directions. <i>Journal of Biophotonics</i> , 2021, 14, e202000472.	2.3	27
4	Real-time augmented reality for delineation of surgical margins during neurosurgery using autofluorescence lifetime contrast. <i>Journal of Biophotonics</i> , 2020, 13, e201900108.	2.3	42
5	Investigating Origins of FLIm Contrast in Atherosclerotic Lesions Using Combined FLIm-Raman Spectroscopy. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 122.	2.4	7
6	FLIm and Raman Spectroscopy for Investigating Biochemical Changes of Bovine Pericardium upon Genipin Cross-Linking. <i>Molecules</i> , 2020, 25, 3857.	3.8	6
7	Physical, Biomechanical, and Optical Characterization of Collagen and Elastin Blend Hydrogels. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2924-2935.	2.5	14
8	FLIm-Guided Raman Imaging to Study Cross-Linking and Calcification of Bovine Pericardium. <i>Analytical Chemistry</i> , 2020, 92, 10659-10667.	6.5	14
9	Intraoperative FLIm on brain tumor margins. , 2020, , .		1
10	Simultaneous intraluminal imaging of tissue autofluorescence and eGFP-labeled cells in engineered vascular grafts inside a bioreactor. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 044003.	2.3	2
11	Bovine pericardial extracellular matrix niche modulates human aortic endothelial cell phenotype and function. <i>Scientific Reports</i> , 2019, 9, 16688.	3.3	9
12	Characterization of expressed human meibum using hyperspectral stimulated Raman scattering microscopy. <i>Ocular Surface</i> , 2019, 17, 151-159.	4.4	12
13	Multiscale, multispectral fluorescence lifetime imaging using a double-clad fiber. <i>Optics Letters</i> , 2019, 44, 2302.	3.3	4
14	Fiber-based platform for synchronous imaging of endogenous and exogenous fluorescence of biological tissue. <i>Optics Letters</i> , 2019, 44, 3350.	3.3	8
15	Pyroloquinoline quinone prevents developmental programming of microbial dysbiosis and macrophage polarization to attenuate liver fibrosis in offspring of obese mice. <i>Hepatology Communications</i> , 2018, 2, 313-328.	4.3	44
16	Label-free assessment of carotid artery biochemical composition using fiber-based fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , 2018, 9, 4064.	2.9	12
17	Label-Free Assessment of Collagenase Digestion on Bovine Pericardium Properties by Fluorescence Lifetime Imaging. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1870-1881.	2.5	12
18	Fiber-based fluorescence lifetime imaging of recellularization processes on vascular tissue constructs. <i>Journal of Biophotonics</i> , 2018, 11, e201700391.	2.3	21

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19	A machine learning framework to analyze hyperspectral stimulated Raman scattering microscopy images of expressed human meibum. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 803-812.	2.5	25
20	Early PQQ supplementation has persistent long-term protective effects on developmental programming of hepatic lipotoxicity and inflammation in obese mice. <i>FASEB Journal</i> , 2017, 31, 1434-1448.	0.5	45
21	Spaceflight Activates Lipotoxic Pathways in Mouse Liver. <i>PLoS ONE</i> , 2016, 11, e0152877.	2.5	69
22	Label-free identification of macrophage phenotype by fluorescence lifetime imaging microscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 046005.	2.6	49
23	Ultrafast Coherent Raman Scattering at Plasmonic Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20943-20953.	3.1	42
24	Visualizing Cellular Metabolic Processes With Combined Nonlinear Optical Microscopy. , 2016, , .		0
25	Plant growth conditions alter phytolith carbon. <i>Frontiers in Plant Science</i> , 2015, 6, 753.	3.6	30
26	Fluorescence lifetime imaging of endogenous biomarker of oxidative stress. <i>Scientific Reports</i> , 2015, 5, 9848.	3.3	104
27	D38-cholesterol as a Raman active probe for imaging intracellular cholesterol storage. <i>Journal of Biomedical Optics</i> , 2015, 21, 061003.	2.6	61
28	Deuterated Cholesterol Uptake Revealed With Stimulated Raman Microscopy. , 2015, , .		0
29	Biological imaging with coherent Raman scattering microscopy: a tutorial. <i>Journal of Biomedical Optics</i> , 2014, 19, 071407.	2.6	47
30	HCV 3a Core Protein Increases Lipid Droplet Cholesteryl Ester Content via a Mechanism Dependent on Sphingolipid Biosynthesis. <i>PLoS ONE</i> , 2014, 9, e115309.	2.5	23