

João L Lagarto

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

197
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Biochemical Changes in Pericardium upon Genipin Cross-Linking Investigated Using Nondestructive and Label-Free Imaging Techniques. <i>Analytical Chemistry</i> , 2022, 94, 1575-1584.	6.5	2
2	Monitoring Changes in Biochemical and Biomechanical Properties of Collagenous Tissues Using Label-Free and Nondestructive Optical Imaging Techniques. <i>Analytical Chemistry</i> , 2021, 93, 3813-3821.	6.5	13
3	Characterization of NADH fluorescence properties under one-photon excitation with respect to temperature, pH, and binding to lactate dehydrogenase. <i>OSA Continuum</i> , 2021, 4, 1610.	1.8	13
4	Real-time fiber-based fluorescence lifetime imaging with synchronous external illumination: A new path for clinical translation. <i>Journal of Biophotonics</i> , 2020, 13, e201960119.	2.3	13
5	Real-time multispectral fluorescence lifetime imaging using Single Photon Avalanche Diode arrays. <i>Scientific Reports</i> , 2020, 10, 8116.	3.3	24
6	Autofluorescence Lifetime Reports Cartilage Damage in Osteoarthritis. <i>Scientific Reports</i> , 2020, 10, 2154.	3.3	11
7	Simultaneous fluorescence lifetime and Raman fiber-based mapping of tissues. <i>Optics Letters</i> , 2020, 45, 2247.	3.3	6
8	Multispectral Depth-Resolved Fluorescence Lifetime Spectroscopy Using SPAD Array Detectors and Fiber Probes. <i>Sensors</i> , 2019, 19, 2678.	3.8	6
9	In vivo label-free optical monitoring of structural and metabolic remodeling of myocardium following infarction. <i>Biomedical Optics Express</i> , 2019, 10, 3506.	2.9	8
10	Electrocautery effects on fluorescence lifetime measurements: An in vivo study in the oral cavity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 90-99.	3.8	10
11	Characterization of NAD(P)H and FAD autofluorescence signatures in a Langendorff isolated-perfused rat heart model. <i>Biomedical Optics Express</i> , 2018, 9, 4961.	2.9	15
12	Development of Low-Cost Instrumentation for Single Point Autofluorescence Lifetime Measurements. <i>Journal of Fluorescence</i> , 2017, 27, 1643-1654.	2.5	6
13	Application of time-resolved autofluorescence to label-free in vivo optical mapping of changes in tissue matrix and metabolism associated with myocardial infarction and heart failure. <i>Biomedical Optics Express</i> , 2015, 6, 324.	2.9	18
14	Correction Approach for Delta Function Convolution Model Fitting of Fluorescence Decay Data in the Case of a Monoexponential Reference Fluorophore. <i>Journal of Fluorescence</i> , 2015, 25, 1169-1182.	2.5	13
15	An automated multiwell plate reading flim microscope for live cell autofluorescence lifetime assays. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 07, 1450025.	1.0	3
16	186â€¦The Application of Autofluorescence Lifetime Metrology as a Novel Label-free Technique for the Assessment of Cardiac Disease. <i>Heart</i> , 2014, 100, A104.1-A104.	2.9	0
17	Detection of cartilage matrix degradation by autofluorescence lifetime. <i>Matrix Biology</i> , 2013, 32, 32-38.	3.6	36