

Silas J Leavesley

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3681221/silas-j-leavesley-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

602
citations

14
h-index

23
g-index

85
ext. papers

807
ext. citations

2.7
avg, IF

3.77
L-index

#	Paper	IF	Citations
53	Hyperspectral imaging microscopy for identification and quantitative analysis of fluorescently-labeled cells in highly autofluorescent tissue. <i>Journal of Biophotonics</i> , 2012 , 5, 67-84	3.1	62
52	Assessment of cellular mechanisms contributing to cAMP compartmentalization in pulmonary microvascular endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 302, C839-52	5.4	48
51	Overcoming limitations of FRET measurements. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016 , 89, 325-7	4.6	41
50	Hyperspectral imaging fluorescence excitation scanning for colon cancer detection. <i>Journal of Biomedical Optics</i> , 2016 , 21, 104003	3.5	37
49	Assessing FRET using spectral techniques. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013 , 83, 898-912	4.6	37
48	Thin-film tunable filters for hyperspectral fluorescence microscopy. <i>Journal of Biomedical Optics</i> , 2014 , 19, 011017	3.5	35
47	Excitation-scanning hyperspectral imaging microscope. <i>Journal of Biomedical Optics</i> , 2014 , 19, 046010	3.5	34
46	Sol-gel derived materials as substrates for neuronal differentiation: effects of surface features and protein conformation. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3221		32
45	Can we decipher the information content contained within cyclic nucleotide signals?. <i>Journal of General Physiology</i> , 2014 , 143, 17-27	3.4	30
44	Modification of Fibers with Nanostructures Using Reactive Dye Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3821-3827	3.9	29
43	An approach for characterizing and comparing hyperspectral microscopy systems. <i>Sensors</i> , 2013 , 13, 9267-93	3.8	23
42	An excitation wavelength-scanning spectral imaging system for preclinical imaging. <i>Review of Scientific Instruments</i> , 2008 , 79, 023707	1.7	21
41	infection liberates transmissible, cytotoxic prion amyloids. <i>FASEB Journal</i> , 2017 , 31, 2785-2796	0.9	18
40	Human ASIC1a mediates stronger acid-induced responses as compared with mouse ASIC1a. <i>FASEB Journal</i> , 2018 , 32, 3832-3843	0.9	15
39	Spectral imaging of FRET-based sensors reveals sustained cAMP gradients in three spatial dimensions. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 1029-1038	4.6	12
38	Automated image analysis of FRET signals for subcellular cAMP quantification. <i>Methods in Molecular Biology</i> , 2015 , 1294, 59-70	1.4	11
37	Hyperspectral imaging of FRET-based cGMP probes. <i>Methods in Molecular Biology</i> , 2013 , 1020, 73-88	1.4	10

36	Identifying molecular contributors to autofluorescence of neoplastic and normal colon sections using excitation-scanning hyperspectral imaging. <i>Journal of Biomedical Optics</i> , 2018 , 24, 1-11	3.5	10
35	Nosocomial Pneumonia Elicits an Endothelial Proteinopathy: Evidence for a Source of Neurotoxic Amyloids in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 1575-1578	10.2	10
34	Estimating the magnitude of near-membrane PDE4 activity in living cells. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C415-24	5.4	8
33	State of the Art in Information Extraction and Quantitative Analysis for Multimodality Biomolecular Imaging. <i>Proceedings of the IEEE</i> , 2008 , 96, 512-531	14.3	7
32	Methods for Detecting Cytotoxic Amyloids Following Infection of Pulmonary Endothelial Cells by <i>Pseudomonas aeruginosa</i> . <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	5
31	Development of an endothelial cell-restricted transgenic reporter rat: a resource for physiological studies of vascular biology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H349-H358	5.2	4
30	FRET: signals hidden within the noise. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 918-20	4.6	4
29	cAMP signaling primes lung endothelial cells to activate caspase-1 during infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L1074-L1083	5.8	3
28	Excitation-Scanning Hyperspectral Imaging Microscopy to Efficiently Discriminate Fluorescence Signals. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
27	Tunable thin-film optical filters for hyperspectral microscopy. <i>Proceedings of SPIE</i> , 2013 , 8589,	1.7	3
26	Colorectal cancer detection by hyperspectral imaging using fluorescence excitation scanning. <i>Proceedings of SPIE</i> , 2018 , 10489,	1.7	3
25	Channel-based reporters for cAMP detection. <i>Methods in Molecular Biology</i> , 2015 , 1294, 71-84	1.4	3
24	Label-free spectroscopic tissue characterization using fluorescence excitation-scanning spectral imaging. <i>Journal of Biophotonics</i> , 2020 , 13, e201900183	3.1	3
23	Three dimensional measurement of cAMP gradients using hyperspectral confocal microscopy. <i>Proceedings of SPIE</i> , 2016 , 9713,	1.7	2
22	Hyperspectral Imaging Fluorescence Excitation Scanning for Detecting Colorectal Cancer: Pilot Study. <i>Proceedings of SPIE</i> , 2016 , 9703,	1.7	2
21	Multispectral imaging analysis: spectral deconvolution and applications in biology 2005 ,		2
20	Measurement of 3-Dimensional cAMP Distributions in Living Cells using 4-Dimensional (x, y, z, and λ) Hyperspectral FRET Imaging and Analysis. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	2
19	Demystifying autofluorescence with excitation-scanning hyperspectral imaging. <i>Proceedings of SPIE</i> , 2018 , 10497,	1.7	2

18	Feasibility for detection of autofluorescent signatures in rat organs using a novel excitation-scanning hyperspectral imaging system. <i>Proceedings of SPIE</i> , 2016 , 9711,	1.7	2
17	Suppression of Colon Tumorigenesis in Mutant Mice by a Novel PDE10 Inhibitor that Reduces Oncogenic β Catenin. <i>Cancer Prevention Research</i> , 2021 , 14, 995-1008	3.2	2
16	Excitation-Scanning Hyperspectral Imaging as a Means to Discriminate Various Tissues Types. <i>Proceedings of SPIE</i> , 2017 , 10068,	1.7	1
15	Comparing Methods for Analysis of Biomedical Hyperspectral Image Data. <i>Proceedings of SPIE</i> , 2017 , 10068,	1.7	1
14	LED-based endoscopic light source for spectral imaging. <i>Proceedings of SPIE</i> , 2016 , 9703,	1.7	1
13	A device for performing automated balloon catheter inflation ischemia studies. <i>PLoS ONE</i> , 2014 , 9, e95833	3.3	1
12	Design of a wavelength-tunable light source using an acousto-optic tunable filter 2007 ,		1
11	Applications and assessment of an excitation-scanning hyperspectral imaging system. <i>Proceedings of SPIE</i> , 2018 , 10497,	1.7	1
10	Excitation-scanning hyperspectral video endoscopy: enhancing the light at the end of the tunnel. <i>Biomedical Optics Express</i> , 2021 , 12, 247-271	3.5	1
9	Optimization and applications of an excitation-scanning hyperspectral imaging system. <i>Proceedings of SPIE</i> , 2017 , 10076,	1.7	1
8	Cystatin C regulates the cytotoxicity of infection-induced endothelial-derived β amyloid. <i>FEBS Open Bio</i> , 2020 , 10, 2464-2477	2.7	1
7	Excitation-Scanning Hyperspectral Imaging System for Microscopic and Endoscopic Applications. <i>Proceedings of SPIE</i> , 2016 , 9711,	1.7	1
6	A theoretical-experimental methodology for assessing the sensitivity of biomedical spectral imaging platforms, assays, and analysis methods. <i>Journal of Biophotonics</i> , 2018 , 11, e201600227	3.1	1
5	Interactions Between Chemical Functionality and Nanoscale Surface Topography Impact Fibronectin Conformation and Neuronal Differentiation on Model Sol-gel Silica Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 950, 1		
4	Phosphodiesterase 4 mediates interleukin-8-induced heterologous desensitization of the β -adrenergic receptor. <i>FASEB Journal</i> , 2021 , 35, e21946	0.9	
3	Automated Image Analysis of FRET Signals for Subcellular cAMP Quantification.. <i>Methods in Molecular Biology</i> , 2022 , 2483, 167-180	1.4	
2	Ion Channel-Based Reporters for cAMP Detection.. <i>Methods in Molecular Biology</i> , 2022 , 2483, 265-279	1.4	
1	Extracellular vesicle-induced cyclic AMP signaling.. <i>Cellular Signalling</i> , 2022 , 110348	4.9	

