

Suman Ranjit

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,565
citations

393982

19
h-index

377514

34
g-index

37
all docs

37
docs citations

37
times ranked

2189
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Combination Properties of the Phasor Space in Fluorescence Imaging. <i>Sensors</i> , 2022, 22, 999.	2.1	16
2	Empagliflozin Treatment Attenuates Hepatic Steatosis by Promoting White Adipose Expansion in Obese TallyHo Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5675.	1.8	5
3	Sphingosine kinase 1 mediates sexual dimorphism in fibrosis in a mouse model of NASH. <i>Molecular Metabolism</i> , 2022, 62, 101523.	3.0	5
4	Advances in fluorescence microscopy techniques to study kidney function. <i>Nature Reviews Nephrology</i> , 2021, 17, 128-144.	4.1	33
5	Reduction of fibrosis and immune suppressive cells in ErbB2-dependent tumorigenesis by an LXR agonist. <i>PLoS ONE</i> , 2021, 16, e0248996.	1.1	5
6	The Phasor Plot: A Universal Circle to Advance Fluorescence Lifetime Analysis and Interpretation. <i>Annual Review of Biophysics</i> , 2021, 50, 575-593.	4.5	67
7	Morphological and functional characteristics of aging kidneys based on two-photon microscopy in vivo. <i>Journal of Biophotonics</i> , 2020, 13, e201900246.	1.1	4
8	BMAL1 Associates with NOP58 in the Nucleolus and Contributes to Pre-rRNA Processing. <i>IScience</i> , 2020, 23, 101151.	1.9	13
9	Lateral diffusion of CD14 and TLR2 in macrophage plasma membrane assessed by raster image correlation spectroscopy and single-particle tracking. <i>Scientific Reports</i> , 2020, 10, 19375.	1.6	6
10	S-adenosyl- L -homocysteine hydrolase links methionine metabolism to the circadian clock and chromatin remodeling. <i>Science Advances</i> , 2020, 6, .	4.7	49
11	Blind Resolution of Lifetime Components in Individual Pixels of Fluorescence Lifetime Images Using the Phasor Approach. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10126-10137.	1.2	20
12	Phasor approach to autofluorescence lifetime imaging FLIM can be a quantitative biomarker of chronic renal parenchymal injury. <i>Kidney International</i> , 2020, 98, 1341-1346.	2.6	2
13	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western diet-fed mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 4733-4747.	1.6	37
14	Resolution of 4 components in the same pixel in FLIM images using the phasor approach. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035001.	1.1	33
15	Multicomponent Analysis of Phasor Plot in a Single Pixel to Calculate Changes of Metabolic Trajectory in Biological Systems. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9865-9873.	1.1	34
16	Determination of the metabolic index using the fluorescence lifetime of free and bound nicotinamide adenine dinucleotide using the phasor approach. <i>Journal of Biophotonics</i> , 2019, 12, e201900156.	1.1	41
17	Reversing the direction of galvanotaxis with controlled increases in boundary layer viscosity. <i>Physical Biology</i> , 2018, 15, 036005.	0.8	13
18	FXR/TGR5 Dual Agonist Prevents Progression of Nephropathy in Diabetes and Obesity. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 118-137.	3.0	133

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19	Differences between FLIM phasor analyses for data collected with the Becker and Hickl SPC830 card and with the FLIMbox card. <i>Microscopy Research and Technique</i> , 2018, 81, 980-989.	1.2	19
20	Fit-free analysis of fluorescence lifetime imaging data using the phasor approach. <i>Nature Protocols</i> , 2018, 13, 1979-2004.	5.5	217
21	Visualization of barriers and obstacles to molecular diffusion in live cells by spatial pair-cross-correlation in two dimensions. <i>Biomedical Optics Express</i> , 2018, 9, 303.	1.5	26
22	Measuring the effect of a Western diet on liver tissue architecture by FLIM autofluorescence and harmonic generation microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 3143.	1.5	32
23	Characterizing fibrosis in UUO mice model using multiparametric analysis of phasor distribution from FLIM images. <i>Biomedical Optics Express</i> , 2016, 7, 3519.	1.5	33
24	Label-free fluorescence lifetime and second harmonic generation imaging microscopy improves quantification of experimental renal fibrosis. <i>Kidney International</i> , 2016, 90, 1123-1128.	2.6	58
25	Spatial dynamics of SIRT1 and the subnuclear distribution of NADH species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12715-12720.	3.3	59
26	Imaging Fibrosis and Separating Collagens using Second Harmonic Generation and Phasor Approach to Fluorescence Lifetime Imaging. <i>Scientific Reports</i> , 2015, 5, 13378.	1.6	79
27	3D fluorescence anisotropy imaging using selective plane illumination microscopy. <i>Optics Express</i> , 2015, 23, 22308.	1.7	15
28	Intrinsic stability and oligomerization dynamics of DNA processivity clamps. <i>Nucleic Acids Research</i> , 2014, 42, 6476-6486.	6.5	22
29	Application of Three-Photon Excitation FCS to the Study of Protein Oligomerization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14627-14631.	1.2	8
30	Mapping Diffusion in a Living Cell via the Phasor Approach. <i>Biophysical Journal</i> , 2014, 107, 2775-2785.	0.2	36
31	Probing the Interaction Between Fluorophores and DNA Nucleotides by Fluorescence Correlation Spectroscopy and Fluorescence Quenching. <i>Photochemistry and Photobiology</i> , 2012, 88, 782-791.	1.3	27
32	Cyanine dyes in biophysical research: the photophysics of polymethine fluorescent dyes in biomolecular environments. <i>Quarterly Reviews of Biophysics</i> , 2011, 44, 123-151.	2.4	352
33	Photophysics of Backbone Fluorescent DNA Modifications: Reducing Uncertainties in FRET. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7861-7866.	1.2	56
34	Type 1 Innate Lymphoid Cells Are Proinflammatory Effector Cells in Ischemia-Reperfusion Injury of Steatotic Livers. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4