

# Jenu V Chacko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5590636/publications.pdf>

Version: 2024-02-01

41  
papers

967  
citations

623734

14  
h-index

580821

25  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidation of Exosome Migration Across the Blood-Brain Barrier Model In Vitro. Cellular and Molecular Bioengineering, 2016, 9, 509-529.	2.1	368
2	A novel nanoscopic tool by combining AFM with STED microscopy. Optical Nanoscopy, 2012, 1, 3.	4.0	74
3	Probing cytoskeletal structures by coupling optical superresolution and AFM techniques for a correlative approach. Cytoskeleton, 2013, 70, 729-740.	2.0	74
4	Mechanoresponsive stem cells to target cancer metastases through biophysical cues. Science Translational Medicine, 2017, 9, .	12.4	74
5	Highly Charged Particles Cause a Larger Current Blockage in Micropores Compared to Neutral Particles. ACS Nano, 2016, 10, 8413-8422.	14.6	57
6	Autofluorescence lifetime imaging of cellular metabolism: Sensitivity toward cell density, pH, intracellular, and intercellular heterogeneity. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 56-69.	1.5	46
7	Sub-Diffraction Nano Manipulation Using STED AFM. PLoS ONE, 2013, 8, e66608.	2.5	45
8	A Shift in Central Metabolism Accompanies Virulence Activation in Pseudomonas aeruginosa. MBio, 2020, 11, .	4.1	30
9	Cellular level nanomanipulation using atomic force microscope aided with superresolution imaging. Journal of Biomedical Optics, 2014, 19, 1.	2.6	24
10	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. PLoS ONE, 2020, 15, e0238327.	2.5	23
11	NAD(P)H fluorescence lifetime measurements in fixed biological tissues. Methods and Applications in Fluorescence, 2019, 7, 044005.	2.3	22
12	Interfacial and Nanoconfinement Effects Decrease the Excited-State Acidity of Polymer-Bound Photoacids. Chem, 2019, 5, 1648-1670.	11.7	20
13	Optimization of interstrand interactions enables burn detection with a collagen-mimetic peptide. Organic and Biomolecular Chemistry, 2019, 17, 9906-9912.	2.8	19
14	Nonparametric empirical Bayesian framework for fluorescence-lifetime imaging microscopy. Biomedical Optics Express, 2019, 10, 5497.	2.9	19
15	Optical imaging of collagen fiber damage to assess thermally injured human skin. Wound Repair and Regeneration, 2020, 28, 848-855.	3.0	15
16	Second Harmonic Generation Imaging of Collagen in Chronically Implantable Electrodes in Brain Tissue. Frontiers in Neuroscience, 2020, 14, 95.	2.8	14
17	Viral highway to nucleus exposed by image correlation analyses. Scientific Reports, 2018, 8, 1152.	3.3	10
18	Ultracompact alignment-free single molecule fluorescence device with a foldable light path. Journal of Biomedical Optics, 2011, 16, 025004.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Feasibility study on mouse live imaging after spinal cord injury and poly(lactide-co-glycolide) bridge implantation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	6
20	Coding Scheme Optimization for Fast Fluorescence Lifetime Imaging. <i>ACM Transactions on Graphics</i> , 2019, 38, 1-16.	7.2	3
21	New Extensibility and Scripting Tools in the ImageJ Ecosystem. <i>Current Protocols</i> , 2021, 1, e204.	2.9	3
22	Two-photon excitation fluorescent spectral and decay properties of retrograde neuronal tracer Fluoro-Gold. <i>Scientific Reports</i> , 2021, 11, 18053.	3.3	3
23	Nanobiophotonics and fluorescence nanoscopy in 2020. , 2020, , 113-162.		2
24	Hyperdimensional Imaging Contrast Using an Optical Fiber. <i>Sensors</i> , 2021, 21, 1201.	3.8	2
25	Optical fiber-based dispersion for spectral discrimination in fluorescence lifetime imaging systems. <i>Journal of Biomedical Optics</i> , 2019, 25, 1.	2.6	2
26	Development of Optics Kit for Schools in Developing Countries â€œ International School of Photonics Model. , 2009, , .		1
27	Metabolic Profiling in Metastatic Cancer Cells using Frequency Domain Fluorescence Lifetime Microscopy. <i>Biophysical Journal</i> , 2016, 110, 167a.	0.5	1
28	Development of Optics Kit for schools in developing countries: International School of Photonics model. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
29	â€œNanoscopium Nominare Libuitâ€™ Approaches Towards Optical Nanoscopy and Individual Molecule Localization Microscopy Improvements. <i>Biophysical Journal</i> , 2012, 102, 4a.	0.5	0
30	STED - AFM: Tip Probing Enhanced by Super Resolved Targeting. <i>Biophysical Journal</i> , 2012, 102, 224a.	0.5	0
31	The Art of Perceiving Your Sample with AFM-STED-FCS. <i>Biophysical Journal</i> , 2013, 104, 514a.	0.5	0
32	Taking Two-Photon Excitation (2PE) further: 2PE coupling to Far-field Optical Nanoscopy and Super Resolution Microscopy towards Three-dimensional (3D) Imaging of Thick Scattering Specimens. <i>Microscopy and Microanalysis</i> , 2013, 19, 166-167.	0.4	0
33	Insight into Hybrid Nanoscopy Techniques: STED AFM & STORM AFM. <i>Biophysical Journal</i> , 2014, 106, 396a.	0.5	0
34	NADH Auto Fluorescence Reveals New Metabolic Signatures in Yeast and Mammalian Cells. <i>Biophysical Journal</i> , 2017, 112, 282a.	0.5	0
35	Autofluorescence Anisotropy based investigation of cellular heterogeneity and metabolism. , 2021, , .		0
36	Fluorescence Lifetime: Techniques, Analysis, and Applications in the Life Sciences. , 2020, , 141-168.		0

#	ARTICLE	IF	CITATIONS
37	Fluorescence Anisotropy in Autofluorescence Imaging and Metabolic Interpretations. , 2020, , .		0
38	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. , 2020, 15, e0238327.		0
39	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. , 2020, 15, e0238327.		0
40	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. , 2020, 15, e0238327.		0
41	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. , 2020, 15, e0238327.		0