

# Michael G Nichols

## List of Publications by Year in descending order

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34  
papers

861  
citations

516710

16  
h-index

501196

28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterization of phasor-based analysis for FLIM to evaluate the metabolic and epigenetic impact of HER2 inhibition on squamous cell carcinoma cultures. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	3
2	Low-intensity light-induced drug release from a dual delivery system comprising of a drug loaded liposome and a photosensitive conjugate. <i>Journal of Drug Targeting</i> , 2020, 28, 655-667.	4.4	6
3	Ultrasmall Mixed Eu <sup>3+</sup> /Gd Oxide Nanoparticles for Multimodal Fluorescence and Magnetic Resonance Imaging of Passive Accumulation and Retention in TBI. <i>ACS Omega</i> , 2020, 5, 16220-16227.	3.5	17
4	Low-intensity light-induced paclitaxel release from lipid-based nano-delivery systems. <i>Journal of Drug Targeting</i> , 2019, 27, 971-983.	4.4	8
5	Aminoglycosides rapidly inhibit NAD(P)H metabolism increasing reactive oxygen species and cochlear cell demise. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	21
6	Chemotherapy impedes in vitro microcirculation and promotes migration of leukemic cells with impact on metastasis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 841-846.	2.1	16
7	The Single-Molecule Approach to Membrane Protein Stoichiometry. <i>Methods in Molecular Biology</i> , 2016, 1427, 189-199.	0.9	2
8	Gentamicin differentially alters cellular metabolism of cochlear hair cells as revealed by NAD(P)H fluorescence lifetime imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 051032.	2.6	13
9	Complementing Confocal Detection of Antibody-labeled Lysophosphatidic Acid Receptors in Human Gingivae with Label-free Second Harmonic Generation Confocal Microscopy Detection of Collagen. <i>FASEB Journal</i> , 2015, 29, LB26.	0.5	1
10	The Conserved Tetrameric Subunit Stoichiometry of Slc26 Proteins. <i>Microscopy and Microanalysis</i> , 2013, 19, 799-807.	0.4	9
11	Prestin in HEK cells is an obligate tetramer. <i>Journal of Neurophysiology</i> , 2012, 107, 5-11.	1.8	39
12	Introduction: Modern Imaging in Biology and Medicine: Papers from the Seventh Omaha Imaging Symposium, April 2011. <i>Microscopy and Microanalysis</i> , 2012, 18, 728-729.	0.4	0
13	Metabolic Imaging Using Two-Photon Excited NADH Intensity and Fluorescence Lifetime Imaging. <i>Microscopy and Microanalysis</i> , 2012, 18, 761-770.	0.4	58
14	The Single Molecule Imaging Approach to Membrane Protein Stoichiometry. <i>Microscopy and Microanalysis</i> , 2012, 18, 771-780.	0.4	10
15	Gentamicin Rapidly Inhibits Mitochondrial Metabolism in High-Frequency Cochlear Outer Hair Cells. <i>PLoS ONE</i> , 2012, 7, e38471.	2.5	52
16	Photo- and bio-physical characterization of novel violet and near-infrared lipophilic fluorophores for neuronal tracing. <i>Journal of Microscopy</i> , 2010, 239, 117-134.	1.8	16
17	Metabolic imaging of the organ of corti – A window on cochlea bioenergetics. <i>Brain Research</i> , 2009, 1277, 37-41.	2.2	43
18	Determination of cell elasticity through hybrid ray optics and continuum mechanics modeling of cell deformation in the optical stretcher. <i>Applied Optics</i> , 2009, 48, 6344.	2.1	24

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19	Fluorescence Microscopy Methods in the Study of Protein Structure and Function. <i>Methods in Molecular Biology</i> , 2009, 493, 369-379.	0.9	2
20	Determination of hair cell metabolic state in isolated cochlear preparations by two-photon microscopy. <i>Journal of Biomedical Optics</i> , 2007, 12, 021004.	2.6	38
21	Near-infrared laser illumination transforms the fluorescence absorbing X-Gal reaction product BCI into a transparent, yet brightly fluorescent substance. <i>Brain Research Bulletin</i> , 2006, 70, 33-43.	3.0	18
22	Photobleaching of Reduced Nicotinamide Adenine Dinucleotide and the Development of Highly Fluorescent Lesions in Rat Basophilic Leukemia Cells During Multiphoton Microscopy. <i>Photochemistry and Photobiology</i> , 2006, 82, 656.	2.5	29
23	Studying inner ear protein-protein interactions using FRET and FLIM. <i>Brain Research</i> , 2006, 1091, 122-131.	2.2	24
24	Reduction in DNA Synthesis During Two-photon Microscopy of Intrinsic Reduced Nicotinamide Adenine Dinucleotide Fluorescence. <i>Photochemistry and Photobiology</i> , 2005, 81, 259-269.	2.5	0
25	A Comparison of the Sensitivity of Photodamage Assays in Rat Basophilic Leukemia Cells. <i>Photochemistry and Photobiology</i> , 2005, 81, 556-562.	2.5	1
26	A Comparison of the Sensitivity of Photodamage Assays in Rat Basophilic Leukemia Cells. <i>Photochemistry and Photobiology</i> , 2005, 81, 556.	2.5	5
27	Reduction in DNA Synthesis During Two-photon Microscopy of Intrinsic Reduced Nicotinamide Adenine Dinucleotide Fluorescence. <i>Photochemistry and Photobiology</i> , 2005, 81, 259.	2.5	18
28	Reduction in DNA Synthesis During Two-Photon Microscopy of Intrinsic NAD(P)H Fluorescence. <i>Photochemistry and Photobiology</i> , 2005, 81, 259-69.	2.5	8
29	Retrofitted confocal laser scanner for a commercial inverted fluorescence microscope. <i>Review of Scientific Instruments</i> , 2001, 72, 3407-3410.	1.3	14
30	Effect of Molecular Structure on the Performance of Triarylmethane Dyes as Therapeutic Agents for Photochemical Purging of Autologous Bone Marrow Grafts from Residual Tumor Cells. , 2000, 89, 88-99.		71
31	Localization of luminescent inhomogeneities in turbid media with spatially resolved measurements of cw diffuse luminescence emittance. <i>Applied Optics</i> , 1998, 37, 2755.	2.1	47
32	Quantitative broadband near-infrared spectroscopy of tissue-simulating phantoms containing erythrocytes. <i>Physics in Medicine and Biology</i> , 1998, 43, 3381-3404.	3.0	94
33	<title>Two steady-state methods for localizing a fluorescent inhomogeneity in a turbid medium</title>. , 1997, , .		4
34	Design and testing of a white-light, steady-state diffuse reflectance spectrometer for determination of optical properties of highly scattering systems. <i>Applied Optics</i> , 1997, 36, 93.	2.1	150