

Freddy T Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,501
citations

361413

20
h-index

345221

36
g-index

49
all docs

49
docs citations

49
times ranked

4651
citing authors

#	ARTICLE	IF	CITATIONS
1	Grass-roots entrepreneurship complements traditional top-down innovation in lung and breast cancer. <i>Npj Digital Medicine</i> , 2022, 5, 10.	10.9	2
2	A wavelength-induced frequency filtering method for fluorescent nanosensors in vivo. <i>Nature Nanotechnology</i> , 2022, 17, 643-652.	31.5	27
3	Emerging technologies in cancer detection. , 2022, , 353-392.		1
4	Transfusion reactions associated with COVID-19 convalescent plasma therapy for SARS-CoV-2. <i>Transfusion</i> , 2021, 61, 78-93.	1.6	17
5	Neutralizing Antibody Responses in COVID-19 Convalescent Sera. <i>Journal of Infectious Diseases</i> , 2021, 223, 47-55.	4.0	70
6	MIT COVID-19 Datathon: data without boundaries. <i>BMJ Innovations</i> , 2021, 7, 231-234.	1.7	13
7	Rapid crowdsourced innovation for COVID-19 response and economic growth. <i>Npj Digital Medicine</i> , 2021, 4, 18.	10.9	20
8	Transcutaneous Measurement of Essential Vitamins Using Near-Infrared Fluorescent Single-Walled Carbon Nanotube Sensors. <i>Small</i> , 2021, 17, e2100540.	10.0	10
9	Temporal Imaging of Live Cells by High-Speed Confocal Raman Microscopy. <i>Materials</i> , 2021, 14, 3732.	2.9	6
10	A Fiber Optic Interface Coupled to Nanosensors: Applications to Protein Aggregation and Organic Molecule Quantification. <i>ACS Nano</i> , 2020, 14, 10141-10152.	14.6	21
11	Implantable Nanosensors for Human Steroid Hormone Sensing In Vivo Using a Self-templating Corona Phase Molecular Recognition. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000429.	7.6	45
12	Convalescent plasma treatment of severe COVID-19: a propensity score-matched control study. <i>Nature Medicine</i> , 2020, 26, 1708-1713.	30.7	405
13	Characterization of Magnetic Nanoparticle-Seeded Microspheres for Magnetomotive and Multimodal Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-14.	2.9	4
14	DNA-SWCNT Biosensors Allow Real-Time Monitoring of Therapeutic Responses in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2019, 79, 4515-4523.	0.9	17
15	Implanted Nanosensors in Marine Organisms for Physiological Biologging: Design, Feasibility, and Species Variability. <i>ACS Sensors</i> , 2019, 4, 32-43.	7.8	36
16	<i>In vivo</i> detection of drug-induced apoptosis in tumors using Raman spectroscopy. <i>Analyst</i> , The, 2018, 143, 4836-4839.	3.5	11
17	Investigating Effects of Proteasome Inhibitor on Multiple Myeloma Cells Using Confocal Raman Microscopy. <i>Sensors</i> , 2016, 16, 2133.	3.8	19
18	Challenges and opportunities for reinvigorating the physician-scientist pipeline. <i>Journal of Clinical Investigation</i> , 2015, 125, 883-887.	8.2	54

#	ARTICLE	IF	CITATIONS
19	Toward a Better Understanding of the Retention of Physician-Scientists in the Career Pipeline. <i>Academic Medicine</i> , 2012, 87, 390-391.	1.6	1
20	Measuring Uptake Dynamics of Multiple Identifiable Carbon Nanotube Species via High-Speed Confocal Raman Imaging of Live Cells. <i>Nano Letters</i> , 2012, 12, 6170-6174.	9.1	37
21	Targeted Multifunctional Multimodal Protein-Shell Microspheres as Cancer Imaging Contrast Agents. <i>Molecular Imaging and Biology</i> , 2012, 14, 17-24.	2.6	49
22	Magnetomotive optical coherence microscopy for cell dynamics and biomechanics. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
23	Abstract 4885: Targeted multi-modal protein microspheres for cancer imaging. , 2011, , .		1
24	Fourier Transform Light Scattering (FTLS) of Cells and Tissues. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010, 7, 2501-2511.	0.4	22
25	Optical Coherence Tomography: The Intraoperative Assessment of Lymph Nodes in Breast Cancer. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2010, 29, 63-70.	0.8	75
26	Abstract 4559: RGD coated protein microspheres as a dual fluorescent and magnetomotive contrast agent for targeted cancer imaging with magnetomotive optical coherence tomography. , 2010, , .		0
27	Translational Careers. <i>Science</i> , 2009, 324, 855-855.	12.6	9
28	Intraoperative Evaluation of Breast Tumor Margins with Optical Coherence Tomography. <i>Cancer Research</i> , 2009, 69, 8790-8796.	0.9	346
29	Clinical Feasibility of Microscopically-Guided Breast Needle Biopsy Using a Fiber-Optic Probe with Computer-Aided Detection. <i>Technology in Cancer Research and Treatment</i> , 2009, 8, 315-321.	1.9	35
30	Optical properties of tissues quantified by Fourier-transform light scattering. <i>Optics Letters</i> , 2009, 34, 1372.	3.3	68
31	Restructuring MD-PhD Programs: Career Training or Broad Education?. <i>Academic Medicine</i> , 2009, 84, 407.	1.6	1
32	Optical coherence tomography (OCT) as a diagnostic tool for the real-time intraoperative assessment of breast cancer surgical margins.. , 2009, , .		1
33	Fourier Transform Light Scattering of Inhomogeneous and Dynamic Structures. <i>Physical Review Letters</i> , 2008, 101, 238102.	7.8	137
34	Coherent optical imaging and guided interventions in breast cancer: translating technology into clinical applications. , 2008, , .		4
35	Magnetic protein microspheres as dynamic contrast agents for magnetomotive optical coherence tomography. , 2008, , .		3
36	The birth of the American Physician Scientists Association - the next generation of Young Turks. <i>Journal of Clinical Investigation</i> , 2008, 118, 1237-1240.	8.2	5

#	ARTICLE	IF	CITATIONS
37	NONPROFIT WORLD. Science, 2008, 320, 727-727.	12.6	0
38	Portable real-time optical coherence tomography system for intraoperative imaging and staging of breast cancer. , 2007, , .		8
39	Needle-probe system for the measurement of tissue refractive index. , 2007, , .		0
40	Needle-based refractive index measurement using low-coherence interferometry. Optics Letters, 2007, 32, 385.	3.3	46
41	Multimodal Biomedical Imaging with Asymmetric Single-Walled Carbon Nanotube/Iron Oxide Nanoparticle Complexes. Nano Letters, 2007, 7, 861-867.	9.1	268
42	Optical coherence tomography: a review of clinical development from bench to bedside. Journal of Biomedical Optics, 2007, 12, 051403.	2.6	440
43	Intraoperative Needle-based Refractive Index Measurement of Ex Vivo Human Breast Tissue. , 2007, , .		0
44	Three-Dimensional Visualization of Lymph Node Morphology using OCT. , 2006, , .		0
45	Optical Biopsy of Lymph Node Morphology using Optical Coherence Tomography. Technology in Cancer Research and Treatment, 2005, 4, 539-547.	1.9	76
46	Color-blind fluorescence detection for four-color DNA sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5346-5351.	7.1	39
47	Generalized Semiconductor Bloch Equations. Journal of Computational and Theoretical Nanoscience, 2004, 1, 144-168.	0.4	2
48	Instrumentation for Multi-modal Spectroscopic Diagnosis of Epithelial Dysplasia. Technology in Cancer Research and Treatment, 2003, 2, 505-514.	1.9	41