

Tzu-Ming Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9221326/publications.pdf>

Version: 2024-02-01

32
papers

625
citations

840119

11
h-index

839053

18
g-index

35
all docs

35
docs citations

35
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher harmonic generation microscopy for developmental biology. <i>Journal of Structural Biology</i> , 2004, 147, 19-30.	1.3	179
2	Efficient Near-IR Hyperthermia and Intense Nonlinear Optical Imaging Contrast on the Gold Nanorod-in-Shell Nanostructures. <i>Journal of the American Chemical Society</i> , 2009, 131, 14186-14187.	6.6	123
3	Toward Strong Near-Infrared Absorption/Emission from Carbon Dots in Aqueous Media through Solvothermal Fusion of Large Conjugated Perylene Derivatives with Post-Surface Engineering. <i>Advanced Science</i> , 2022, 9, .	5.6	48
4	One step synthesis of efficient red emissive carbon dots and their bovine serum albumin composites with enhanced multi-photon fluorescence for in vivo bioimaging. <i>Light: Science and Applications</i> , 2022, 11, 113.	7.7	46
5	Imaging of macrophage mitochondria dynamics <i>in vivo</i> reveals cellular activation phenotype for diagnosis. <i>Theranostics</i> , 2020, 10, 2897-2917.	4.6	41
6	Intravital imaging of osteocytes in mouse calvaria using third harmonic generation microscopy. <i>PLoS ONE</i> , 2017, 12, e0186846.	1.1	38
7	Remodeling of Tumor Microenvironment by Tumor-Targeting Nanozymes Enhances Immune Activation of CAR T Cells for Combination Therapy. <i>Small</i> , 2021, 17, e2102624.	5.2	36
8	Discovering Macrophage Functions Using In Vivo Optical Imaging Techniques. <i>Frontiers in Immunology</i> , 2018, 9, 502.	2.2	22
9	Resonant Dipolar Coupling of Microwaves with Confined Acoustic Vibrations in a Rod-shaped Virus. <i>Scientific Reports</i> , 2017, 7, 4611.	1.6	19
10	Entropy change of biological dynamics in COPD. <i>International Journal of COPD</i> , 2017, Volume 12, 2997-3005.	0.9	16
11	Low-toxicity FePt nanoparticles for the targeted and enhanced diagnosis of breast tumors using few centimeters deep whole-body photoacoustic imaging. <i>Photoacoustics</i> , 2020, 19, 100179.	4.4	15
12	Accelerating precision anti-cancer therapy by time-lapse and label-free 3D tumor slice culture platform. <i>Theranostics</i> , 2021, 11, 9415-9430.	4.6	13
13	New Templated Ostwald Ripening Process of Mesostructured FeOOH for Third-Harmonic Generation Bioimaging. <i>Small</i> , 2019, 15, 1805086.	5.2	12
14	Functionalizing Collagen with Vessel-Penetrating Two-Photon Phosphorescence Probes: A New In Vivo Strategy to Map Oxygen Concentration in Tumor Microenvironment and Tissue Ischemia. <i>Advanced Science</i> , 2021, 8, e2102788.	5.6	5
15	Expansion of Rare Cancer Cells into Tumoroids for Therapeutic Regimen and Cancer Therapy. <i>Advanced Therapeutics</i> , 2021, 4, 2100017.	1.6	3
16	Nanoprobe-based mass spectrometry and Fourier transform infrared spectroscopy for rapid phospholipid profiling. <i>Journal of the Chinese Chemical Society</i> , 0, , .	0.8	2
17	Novel zebrafish polycystic kidney disease models reveal functions of the Hippo pathway in renal cystogenesis. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	2
18	Noninvasive assessment of liver function reserve with fluorescent dosimetry of indocyanine green. <i>Biomedical Optics Express</i> , 2022, 13, 1995.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Intravital lipid droplet labeling and imaging reveals the phenotypes and functions of individual macrophages in vivo. <i>Journal of Lipid Research</i> , 2022, 63, 100207.	2.0	2
20	Remodeling of Tumor Microenvironment by Tumor-Targeting Nanozymes Enhances Immune Activation of CAR T Cells for Combination Therapy (<i>Small</i> 43/2021). <i>Small</i> , 2021, 17, 2170224.	5.2	1
21	Bioimaging: New Templated Ostwald Ripening Process of Mesostructured FeOOH for Third-Harmonic Generation Bioimaging (<i>Small</i> 20/2019). <i>Small</i> , 2019, 15, 1970108.	5.2	0
22	Plasmon Resonant Two-Photon Luminescence Inducing Photosensitization and Nonlinear Optical Microscopy In Vivo by Near-Infrared Excitation of Au Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10875.	1.3	0
23	Additive Manufacturing and Removal of Biomaterials. , 2022, , 1-24.		0
24	Critical Issues in Biology and Medicine. , 2022, , 1-24.		0
25	Ultrafast Laser Operation and Wavelength Conversion. , 2022, , 1-18.		0
26	Quantum Mechanical Properties of Light. , 2022, , 1-20.		0
27	Optical Properties of Biomaterials and Tissues. , 2022, , 1-24.		0
28	Time-Course Micro-Environment Imaging and Optical Readout. , 2022, , 1-20.		0
29	Ray Optics to Wave Optics. , 2022, , 1-16.		0
30	High content Imaging and Spectroscopy. , 2022, , 1-20.		0
31	Nonlinear Spectral Imaging. , 2022, , 1-18.		0
32	Time-Domain Spectral Imaging. , 2022, , 1-38.		0