

Tzu-Ming Liu

List of Publications by Year in descending order

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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	Noninvasive assessment of liver function reserve with fluorescent dosimetry of indocyanine green. Biomedical Optics Express, 2022, 13, 1995.	1.5	2
2	Intravital lipid droplet labeling and imaging reveals the phenotypes and functions of individual macrophages in vivo. Journal of Lipid Research, 2022, 63, 100207.	2.0	2
3	One step synthesis of efficient red emissive carbon dots and their bovine serum albumin composites with enhanced multi-photon fluorescence for in vivo bioimaging. Light: Science and Applications, 2022, 11, 113.	7.7	46
4	Toward Strong Near-Infrared Absorption/Emission from Carbon Dots in Aqueous Media through Solvothermal Fusion of Large Conjugated Perylene Derivatives with Post-Surface Engineering. Advanced Science, 2022, 9, .	5.6	48
5	Additive Manufacturing and Removal of Biomaterials. , 2022, , 1-24.		0
6	Critical Issues in Biology and Medicine. , 2022, , 1-24.		0
7	Ultrafast Laser Operation and Wavelength Conversion. , 2022, , 1-18.		0
8	Quantum Mechanical Properties of Light. , 2022, , 1-20.		0
9	Optical Properties of Biomaterials and Tissues. , 2022, , 1-24.		0
10	Time-Course Micro-Environment Imaging and Optical Readout. , 2022, , 1-20.		0
11	Ray Optics to Wave Optics. , 2022, , 1-16.		0
12	High content Imaging and Spectroscopy. , 2022, , 1-20.		0
13	Nonlinear Spectral Imaging. , 2022, , 1-18.		0
14	Time-Domain Spectral Imaging. , 2022, , 1-38.		0
15	Expansion of Rare Cancer Cells into Tumoroids for Therapeutic Regimen and Cancer Therapy. Advanced Therapeutics, 2021, 4, 2100017.	1.6	3
16	Functionalizing Collagen with Vessel-Penetrating Two-Photon Phosphorescence Probes: A New In Vivo Strategy to Map Oxygen Concentration in Tumor Microenvironment and Tissue Ischemia. Advanced Science, 2021, 8, e2102788.	5.6	5
17	Remodeling of Tumor Microenvironment by Tumor-Targeting Nanozymes Enhances Immune Activation of CAR T Cells for Combination Therapy. Small, 2021, 17, e2102624.	5.2	36
18	Novel zebrafish polycystic kidney disease models reveal functions of the Hippo pathway in renal cystogenesis. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	2

#	ARTICLE	IF	CITATIONS
19	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
20	Remodeling of Tumor Microenvironment by Tumor-Targeting Nanozymes Enhances Immune Activation of CAR T Cells for Combination Therapy (Small 43/2021). <i>Small</i> , 2021, 17, 2170224.	5.2	1
21	Plasmon Resonant Two-Photon Luminescence Inducing Photosensitization and Nonlinear Optical Microscopy In Vivo by Near-Infrared Excitation of Au Nanopeanuts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10875.	1.3	0
22	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
23	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
24	Bioimaging: New Templated Ostwald Ripening Process of Mesostructured FeOOH for Third-Harmonic Generation Bioimaging (Small 20/2019). <i>Small</i> , 2019, 15, 1970108.	5.2	0
25	New Templated Ostwald Ripening Process of Mesostructured FeOOH for Third-Harmonic Generation Bioimaging. <i>Small</i> , 2019, 15, 1805086.	5.2	12
26	Discovering Macrophage Functions Using In Vivo Optical Imaging Techniques. <i>Frontiers in Immunology</i> , 2018, 9, 502.	2.2	22
27	Resonant Dipolar Coupling of Microwaves with Confined Acoustic Vibrations in a Rod-shaped Virus. <i>Scientific Reports</i> , 2017, 7, 4611.	1.6	19
28	Entropy change of biological dynamics in COPD. <i>International Journal of COPD</i> , 2017, Volume 12, 2997-3005.	0.9	16
29	Intravital imaging of osteocytes in mouse calvaria using third harmonic generation microscopy. <i>PLoS ONE</i> , 2017, 12, e0186846.	1.1	38
30	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
31	Higher harmonic generation microscopy for developmental biology. <i>Journal of Structural Biology</i> , 2004, 147, 19-30.	1.3	179
32	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