Summer L Gibbs

List of Publications by Year
in descending order

51 papers	1,236 citations	567281 15 h-index	395702 33 g-index
51 all docs	51 docs citations	51 times ranked	1890 citing authors

#	Article	IF	Citations
1	The advantages and disadvantages of novel contrast agent types for fluorescence guided surgery. , 2022, , .		0
2	An investigation into the in vivo performance of Changsha and rhodamine fluorophores. , 2022, , .		0
3	Fine-tuning physicochemical properties of Oxazine-4 for nerve-specific imaging. , 2022, , .		0
4	A clinically relevant formulation for direct administration of nerve specific fluorophores to mitigate iatrogenic nerve injury. Biomaterials, 2022, 284, 121490.	11.4	8
5	A framework for multiplex imaging optimization and reproducible analysis. Communications Biology, 2022, 5, 438.	4.4	17
6	TRIPODD: a Novel Fluorescence Imaging Platform for In Situ Quantification of Drug Distribution and Therapeutic Response. Molecular Imaging and Biology, 2021, 23, 650-664.	2.6	4
7	Clinically relevant dual probe difference specimen imaging (DDSI) protocol for freshly resected breast cancer specimen staining. BMC Cancer, 2021, 21, 440.	2.6	3
8	Clinically Translatable Formulation Strategies for Systemic Administration of Nerveâ€Specific Probes. Advanced Therapeutics, 2021, 4, 2100002.	3.2	4
9	Lead Optimization of Nerve-Specific Fluorophores for Image-Guided Nerve Sparing Surgical Procedures. , 2021, , .		0
10	Oligonucleotide conjugated antibody strategies for cyclic immunostaining. Scientific Reports, 2021, 11, 23844.	3.3	11
11	Crosstalk between invadopodia and the extracellular matrix. European Journal of Cell Biology, 2020, 99, 151122.	3.6	11
12	Near-infrared nerve-binding fluorophores for buried nerve tissue imaging. Science Translational Medicine, 2020, 12, .	12.4	50
13	Topical dual-probe staining using quantum dot-labeled antibodies for identifying tumor biomarkers in fresh specimens. PLoS ONE, 2020, 15, e0230267.	2.5	5
14	Quantification of fluorophore distribution and therapeutic response in matched in vivo and ex vivo pancreatic cancer model systems. PLoS ONE, 2020, 15, e0229407.	2.5	2
15	Oligonucleotide conjugated antibodies permit highly multiplexed immunofluorescence for future use in clinical histopathology. Journal of Biomedical Optics, 2020, 25, 1.	2.6	16
16	Fluorescence image-guided surgery: a perspective on contrast agent development. , 2020, 11222, .		60
17	In vivo nerve-specificity of rhodamines and Si-rhodamines. , 2020, 11222, .		4
18	Intracellular paired agent imaging enables improved evaluation of tyrosine kinase inhibitor target engagement. Proceedings of SPIE, 2020, 11219, .	0.8	0

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19	Fluorescent Imaging for Measurement of Drug Target Engagement and Cell Signaling Pathways. Proceedings of SPIE, 2020, 11219, .	0.8	1
20	Antibody Conjugated Oligonucleotides as a Platform for Cyclic Immunofluorescent Staining. Microscopy and Microanalysis, 2019, 25, 1206-1207.	0.4	1
21	Assessment of human pancreas cancer tissue and precursor lesions via a fluorophore with inherent PDAC selectivity. Methods, 2019, 168, 35-39.	3.8	2
22	Diagnostic performance of receptor-specific surgical specimen staining correlates with receptor expression level. Journal of Biomedical Optics, 2019, 24, 1.	2.6	12
23	Investigation of oxazine and rhodamine derivatives as peripheral Nerve tissue targeting contrast agent for in vivo fluorescence imaging. , 2019, 10862, .		3
24	Effect of staining temperature on topical dual stain imaging of tissue specimens for tumor identification. , 2019, 10862, .		2
25	Fluorescent nerve identification in resected human tissue specimens. , 2019, , .		0
26	Diagnostic performance of receptor-specific surgical specimen staining correlate with receptor expression level. , 2019, 10862, .		0
27	Signal removal methods for highly multiplexed immunofluorescent staining using antibody conjugated oligonucleotides. , 2019, 10881, .		1
28	Simultaneous Multicolor Single-Molecule Tracking with Single-Laser Excitation via Spectral Imaging. Biophysical Journal, 2018, 114, 301-310.	0.5	38
29	Varied Length Stokes Shift BODIPY-Based Fluorophores for Multicolor Microscopy. Scientific Reports, 2018, 8, 4590.	3.3	22
30	Superresolution microscopy with novel BODIPY-based fluorophores. PLoS ONE, 2018, 13, e0206104.	2.5	15
31	Nile Red derivatives enable improved ratiometric imaging for nerve-specific contrast. Journal of Biomedical Optics, 2018, 23, 1.	2.6	8
32	Far-Red and Near-Infrared Seminaphthofluorophores for Targeted Pancreatic Cancer Imaging. ACS Omega, 2017, 2, 154-163.	3.5	25
33	Expanding the Spectral Resolution of Single-Molecule Localization Microscopy with Bodipy-Based Photoswitchable Fluorophores. Biophysical Journal, 2017, 112, 142a-143a.	0.5	0
34	Optimizing fresh specimen staining for rapid identification of tumor biomarkers during surgery. Theranostics, 2017, 7, 4722-4734.	10.0	21
35	Direct Administration of Nerve-Specific Contrast to Improve Nerve Sparing Radical Prostatectomy. Theranostics, 2017, 7, 573-593.	10.0	43
36	Methodology for Quantitative Characterization of Fluorophore Photoswitching to Predict Superresolution Microscopy Image Quality. Scientific Reports, 2016, 6, 29687.	3.3	17

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37	Visualizing Oxazine 4 nerve-specific fluorescence ex vivo in frozen tissue sections. Proceedings of SPIE, 2016, 9696, .	0.8	6
38	Charge and Hydrophobicity Effects of NIR Fluorophores on Bone-Specific Imaging. Theranostics, 2015, 5, 609-617.	10.0	45
39	Systematic characterization of fluorophore behavior in the presence of electron microscopy sample preparation reagents. Microscopy and Microanalysis, 2015, 21, 533-534.	0.4	0
40	Effect of labeling density and time post labeling on quality of antibody-based super resolution microscopy images. Proceedings of SPIE, 2015, 9331, .	0.8	0
41	Polymeric Micelles as Carriers for Nerve-Highlighting Fluorescent Probe Delivery. Molecular Pharmaceutics, 2015, 12, 4386-4394.	4.6	25
42	Molecular Imaging: From Bench to Clinic. BioMed Research International, 2014, 2014, 1-3.	1.9	16
43	Design and development of BODIPY-based photoswitchable fluorophores to visualize cell signaling with multispectral super resolution microscopy. , 2014, 8950, .		0
44	Microscopic Validation of Macroscopic In Vivo Images Enabled by Same-Slide Optical and Nuclear Fusion. Journal of Nuclear Medicine, 2014, 55, 1899-1904.	5.0	4
45	Targeted zwitterionic near-infrared fluorophores for improved optical imaging. Nature Biotechnology, 2013, 31, 148-153.	17.5	459
46	Topical dual-stain difference imaging for rapid intra-operative tumor identification in fresh specimens. Optics Letters, 2013, 38, 5184.	3.3	29
47	Structure-Activity Relationship of Nerve-Highlighting Fluorophores. PLoS ONE, 2013, 8, e73493.	2.5	31
48	Real-Time Monitoring of Tumorigenesis, Dissemination, & Drug Response in a Preclinical Model of Lymphangioleiomyomatosis/Tuberous Sclerosis Complex. PLoS ONE, 2012, 7, e38589.	2.5	15
49	Near infrared fluorescence for image-guided surgery. Quantitative Imaging in Medicine and Surgery, 2012, 2, 177-87.	2.0	110
50	Protoporphyrin IX Level Correlates with Number of Mitochondria, But Increase in Production Correlates with Tumor Cell Size. Photochemistry and Photobiology, 2006, 82, 1334.	2.5	41
51	Fluorescence Imaging in Vivo: Raster Scanned Point-Source Imaging Provides More Accurate Quantification than Broad Beam Geometries. Technology in Cancer Research and Treatment, 2004, 3, 15-21.	1.9	49