Summer L Gibbs

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Targeted zwitterionic near-infrared fluorophores for improved optical imaging. Nature Biotechnology, 2013, 31, 148-153.	17.5	459
2	Near infrared fluorescence for image-guided surgery. Quantitative Imaging in Medicine and Surgery, 2012, 2, 177-87.	2.0	110
3	Fluorescence image-guided surgery: a perspective on contrast agent development. , 2020, 11222, .		60
4	Near-infrared nerve-binding fluorophores for buried nerve tissue imaging. Science Translational Medicine, 2020, 12, .	12.4	50
5	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
6	Charge and Hydrophobicity Effects of NIR Fluorophores on Bone-Specific Imaging. Theranostics, 2015, 5, 609-617.	10.0	45
7	Direct Administration of Nerve-Specific Contrast to Improve Nerve Sparing Radical Prostatectomy. Theranostics, 2017, 7, 573-593.	10.0	43
8	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
9	Simultaneous Multicolor Single-Molecule Tracking with Single-Laser Excitation via Spectral Imaging. Biophysical Journal, 2018, 114, 301-310.	0.5	38
10	Structure-Activity Relationship of Nerve-Highlighting Fluorophores. PLoS ONE, 2013, 8, e73493.	2.5	31
11	Topical dual-stain difference imaging for rapid intra-operative tumor identification in fresh specimens. Optics Letters, 2013, 38, 5184.	3.3	29
12	Polymeric Micelles as Carriers for Nerve-Highlighting Fluorescent Probe Delivery. Molecular Pharmaceutics, 2015, 12, 4386-4394.	4.6	25
13	Far-Red and Near-Infrared Seminaphthofluorophores for Targeted Pancreatic Cancer Imaging. ACS Omega, 2017, 2, 154-163.	3.5	25
14	Varied Length Stokes Shift BODIPY-Based Fluorophores for Multicolor Microscopy. Scientific Reports, 2018, 8, 4590.	3.3	22
15	Optimizing fresh specimen staining for rapid identification of tumor biomarkers during surgery. Theranostics, 2017, 7, 4722-4734.	10.0	21
16	Methodology for Quantitative Characterization of Fluorophore Photoswitching to Predict Superresolution Microscopy Image Quality. Scientific Reports, 2016, 6, 29687.	3.3	17
17	A framework for multiplex imaging optimization and reproducible analysis. Communications Biology, 2022, 5, 438.	4.4	17
18	Molecular Imaging: From Bench to Clinic. BioMed Research International, 2014, 2014, 1-3.	1.9	16

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19	Oligonucleotide conjugated antibodies permit highly multiplexed immunofluorescence for future use in clinical histopathology. Journal of Biomedical Optics, 2020, 25, 1.	2.6	16
20	Superresolution microscopy with novel BODIPY-based fluorophores. PLoS ONE, 2018, 13, e0206104.	2.5	15
21	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
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	Crosstalk between invadopodia and the extracellular matrix. European Journal of Cell Biology, 2020, 99, 151122.	3.6	11
24	Oligonucleotide conjugated antibody strategies for cyclic immunostaining. Scientific Reports, 2021, 11, 23844.	3.3	11
25	Nile Red derivatives enable improved ratiometric imaging for nerve-specific contrast. Journal of Biomedical Optics, 2018, 23, 1.	2.6	8
26	A clinically relevant formulation for direct administration of nerve specific fluorophores to mitigate iatrogenic nerve injury. Biomaterials, 2022, 284, 121490.	11.4	8
27	Visualizing Oxazine 4 nerve-specific fluorescence ex vivo in frozen tissue sections. Proceedings of SPIE, 2016, 9696, .	0.8	6
28	Topical dual-probe staining using quantum dot-labeled antibodies for identifying tumor biomarkers in fresh specimens. PLoS ONE, 2020, 15, e0230267.	2.5	5
29	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
30	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
31	Clinically Translatable Formulation Strategies for Systemic Administration of Nerve-Specific Probes. Advanced Therapeutics, 2021, 4, 2100002.	3.2	4
32	In vivo nerve-specificity of rhodamines and Si-rhodamines. , 2020, 11222, .		4
33	Clinically relevant dual probe difference specimen imaging (DDSI) protocol for freshly resected breast cancer specimen staining. BMC Cancer, 2021, 21, 440.	2.6	3
34	Investigation of oxazine and rhodamine derivatives as peripheral Nerve tissue targeting contrast agent for in vivo fluorescence imaging. , 2019, 10862, .		3
35	Assessment of human pancreas cancer tissue and precursor lesions via a fluorophore with inherent PDAC selectivity. Methods, 2019, 168, 35-39.	3.8	2
36	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

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37	Effect of staining temperature on topical dual stain imaging of tissue specimens for tumor identification. , 2019, 10862, .		2
38	Antibody Conjugated Oligonucleotides as a Platform for Cyclic Immunofluorescent Staining. Microscopy and Microanalysis, 2019, 25, 1206-1207.	0.4	1
39	Signal removal methods for highly multiplexed immunofluorescent staining using antibody conjugated oligonucleotides. , 2019, 10881, .		1
40	Fluorescent Imaging for Measurement of Drug Target Engagement and Cell Signaling Pathways. Proceedings of SPIE, 2020, 11219, .	0.8	1
41	Design and development of BODIPY-based photoswitchable fluorophores to visualize cell signaling with multispectral super resolution microscopy. , 2014, 8950, .		0
42	Systematic characterization of fluorophore behavior in the presence of electron microscopy sample preparation reagents. Microscopy and Microanalysis, 2015, 21, 533-534.	0.4	0
43	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
44	Expanding the Spectral Resolution of Single-Molecule Localization Microscopy with Bodipy-Based Photoswitchable Fluorophores. Biophysical Journal, 2017, 112, 142a-143a.	0.5	0
45	Fluorescent nerve identification in resected human tissue specimens. , 2019, , .		0
46	Diagnostic performance of receptor-specific surgical specimen staining correlate with receptor expression level. , 2019, 10862, .		0
47	Lead Optimization of Nerve-Specific Fluorophores for Image-Guided Nerve Sparing Surgical Procedures. , 2021, , .		0
48	Intracellular paired agent imaging enables improved evaluation of tyrosine kinase inhibitor target engagement. Proceedings of SPIE, 2020, 11219, .	0.8	0
49	The advantages and disadvantages of novel contrast agent types for fluorescence guided surgery. , 2022, , .		0
50	An investigation into the in vivo performance of Changsha and rhodamine fluorophores. , 2022, , .		0
51	Fine-tuning physicochemical properties of Oxazine-4 for nerve-specific imaging. , 2022, , .		0