

Eva M Sevick-Muraca

List of Publications by Year in descending order

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Version: 2024-02-01

317
papers

13,946
citations

23567

58
h-index

23533

111
g-index

320
all docs

320
docs citations

320
times ranked

12345
citing authors

#	ARTICLE	IF	CITATIONS
1	Abstract P4-11-21: Plasma cytokine levels in breast cancer-related lymphedema patients. <i>Cancer Research</i> , 2022, 82, P4-11-21-P4-11-21.	0.9	0
2	Enhanced T-Cell Priming and Improved Anti-Tumor Immunity through Lymphatic Delivery of Checkpoint Blockade Immunotherapy. <i>Cancers</i> , 2022, 14, 1823.	3.7	4
3	Towards 3D Quantification of Dermal Lymphatic Backflow as an Indicator of Lymphatic Disease. , 2022, , .		1
4	Prediction of breast cancer-related lymphedema by dermal backflow detected with near-infrared fluorescence lymphatic imaging. <i>Breast Cancer Research and Treatment</i> , 2022, 195, 33-41.	2.5	10
5	Lymphatic Dissemination and Axillary Web Syndrome in Primary Cutaneous Tuberculosis Secondary to Needlestick Injury. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab160.	0.9	4
6	Degradation of lymphatic anatomy and function in early venous insufficiency. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, 9, 720-730.e2.	1.6	13
7	Comparison of NIR Versus SWIR Fluorescence Image Device Performance Using Working Standards Calibrated With SI Units. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 944-951.	8.9	10
8	Multimodality lymphatic imaging of postoperative chylothorax in an infant with Noonan syndrome: a case report. <i>European Journal of Medical Research</i> , 2020, 25, 55.	2.2	7
9	The Development and Treatment of Lymphatic Dysfunction in Cancer Patients and Survivors. <i>Cancers</i> , 2020, 12, 2280.	3.7	19
10	Cap-Based Transcranial Optical Tomography in an Awake Infant. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3300-3308.	8.9	4
11	Assessing lymphatic route of CSF outflow and peripheral lymphatic contractile activity during head-down tilt using near-infrared fluorescence imaging. <i>Physiological Reports</i> , 2020, 8, e14375.	1.7	20
12	Radiation Dose-Dependent Changes in Lymphatic Remodeling. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 852-860.	0.8	12
13	Head and Neck Lymphedema: Treatment Response to Single and Multiple Sessions of Advanced Pneumatic Compression Therapy. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 160, 622-626.	1.9	28
14	Impaired Peripheral Lymphatic Function and Cerebrospinal Fluid Outflow in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 585-593.	2.6	14
15	Protease-Activatable Adeno-Associated Virus Vector for Gene Delivery to Damaged Heart Tissue. <i>Molecular Therapy</i> , 2019, 27, 611-622.	8.2	33
16	Nanotopography-based lymphatic delivery for improved anti-tumor responses to checkpoint blockade immunotherapy. <i>Theranostics</i> , 2019, 9, 8332-8343.	10.0	31
17	Fluorescence imaging of lymphatic outflow of cerebrospinal fluid in mice. , 2018, , .		1
18	Near-infrared fluorescence lymphatic imaging in vascular endothelial growth factor-C overexpressing murine melanoma. <i>Biomedical Optics Express</i> , 2018, 9, 4631.	2.9	5

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19	Abstract LB-005: Anti-tumoral effects of novel lymphatic delivery of anti-CTLA-4 in a metastatic murine breast cancer model. , 2018, , .		0
20	Fluid shear stress activates YAP1 to promote cancer cell motility. Nature Communications, 2017, 8, 14122.	12.8	181
21	Lymphatic imaging in unsedated infants and children. , 2017, , .		0
22	New diagnostic modalities in the evaluation of lymphedema. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2017, 5, 261-273.	1.6	106
23	Using molecular imaging to assess the delivery and infection of protease activated virus in animal model of myocardial infarction. Proceedings of SPIE, 2017, , .	0.8	0
24	Optical imaging: Resolutely deep and fast. Nature Biomedical Engineering, 2017, 1, .	22.5	2
25	Near-infrared fluorescence lymphatic imaging of Klippel-Trä©naunay syndrome. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2017, 5, 533-537.	1.6	5
26	Near-Infrared Fluorescence Lymphatic Imaging of a Toddler With Congenital Lymphedema. Pediatrics, 2017, 139, e20154456.	2.1	13
27	Longitudinal monitoring of the head and neck lymphatics in response to surgery and radiation. Head and Neck, 2017, 39, 1177-1188.	2.0	22
28	Development of a Cellâ€Based Gene Therapy Approach to Selectively Turn Off Bone Formation. Journal of Cellular Biochemistry, 2017, 118, 3627-3634.	2.6	3
29	Fluorescence imaging of lymphatic outflow of cerebrospinal fluid in mice. Journal of Immunological Methods, 2017, 449, 37-43.	1.4	25
30	Lymphatic delivery of etanercept via nanotopography improves response to collagen-induced arthritis. Arthritis Research and Therapy, 2017, 19, 116.	3.5	16
31	Effects of Depilation-Induced Skin Pigmentation and Diet-Induced Fluorescence on In Vivo Fluorescence Imaging. Contrast Media and Molecular Imaging, 2017, 2017, 1-7.	0.8	7
32	Antibody Guided Molecular Imaging of Infective Endocarditis. Methods in Molecular Biology, 2017, 1535, 229-241.	0.9	3
33	Longitudinal monitoring of head and neck lymphatics in response to cancer treatment. Proceedings of SPIE, 2017, , .	0.8	0
34	Traceable working standards with SI units of radiance for characterizing the measurement performance of investigational clinical NIRF imaging devices. Proceedings of SPIE, 2017, , .	0.8	0
35	Near-infrared fluorescence optical imaging demonstrates that C5a-C5aR1 signaling impairs normal lymphatic function. Immunobiology, 2016, 221, 1186-1187.	1.9	0
36	Effect of lidocaine with and without epinephrine on lymphatic contractile activity in mice in vivo. Journal of Anesthesia, 2016, 30, 1091-1094.	1.7	11

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37	Optical surgical navigation for nodal staging: to see or not to see?. Proceedings of SPIE, 2016, , .	0.8	0
38	Determining the Performance of Fluorescence Molecular Imaging Devices Using Traceable Working Standards With SI Units of Radiance. IEEE Transactions on Medical Imaging, 2016, 35, 802-811.	8.9	33
39	Lymphatic transport in patients with chronic venous insufficiency and venous leg ulcers following sequential pneumatic compression. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2016, 4, 9-17.	1.6	36
40	Influence of chelator and near-infrared dye labeling on biocharacteristics of dual-labeled trastuzumab-based imaging agents. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2016, 28, 362-369.	2.2	1
41	Changes in lymph node metastasis patterns after surgical removal of a popliteal lymph node in mice. , 2016, , .		0
42	Changes in lymph node metastasis patterns after surgical removal of a popliteal lymph node in mice. , 2016, , .		0
43	Changes in lymph node metastasis patterns after surgical removal of a popliteal lymph node in mice. , 2016, , .		0
44	Changes in lymph node metastasis patterns after surgical removal of a popliteal lymph node in mice. , 2016, , .		0
45	Longitudinal Lymphatic Response to Surgery and Radiation in Head and Neck Cancer Patients. , 2016, , .		0
46	Near-Infrared Fluorescence Lymphatic Imaging in the Pediatric Population. , 2016, , .		0
47	The camKK2/camKIV relay is an essential regulator of hepatic cancer. Hepatology, 2015, 62, 505-520.	7.3	99
48	Experimental Comparison of Continuous-Wave and Frequency-Domain Fluorescence Tomography in a Commercial Multi-Modal Scanner. IEEE Transactions on Medical Imaging, 2015, 34, 1197-1211.	8.9	2
49	Comparison of DOTA and NODAGA as chelators for ⁶⁴ Cu-labeled immunoconjugates. Nuclear Medicine and Biology, 2015, 42, 177-183.	0.6	53
50	Deglycosylation of mAb by EndoS for Improved Molecular Imaging. Molecular Imaging and Biology, 2015, 17, 195-203.	2.6	15
51	Longitudinal far red gene-reporter imaging of cancer metastasis in preclinical models: a tool for accelerating drug discovery. Biomedical Optics Express, 2015, 6, 3346.	2.9	8
52	Near-infrared fluorescence lymphatic imaging in a patient treated for venous occlusion. Journal of Vascular Surgery Cases, 2015, 1, 201-204.	0.2	5
53	Near-Infrared Fluorescence Lymphatic Imaging in Lymphangiomatosis. Lymphatic Research and Biology, 2015, 13, 195-201.	1.1	10
54	A review of performance of near-infrared fluorescence imaging devices used in clinical studies. British Journal of Radiology, 2015, 88, 20140547.	2.2	134

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55	Abstract P5-01-04: In vivo lymphatic imaging of a human inflammatory breast cancer model. , 2015, , .		1
56	Preclinical characterization and validation of a dual-labeled trastuzumab-based imaging agent for diagnosing breast cancer. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2015, 27, 74-82.	2.2	4
57	In Vivo Lymphatic Imaging of a Human Inflammatory Breast Cancer Model. Journal of Cancer, 2014, 5, 774-783.	2.5	24
58	Stable confinement of positron emission tomography and magnetic resonance agents within carbon nanotubes for bimodal imaging. Nanomedicine, 2014, 9, 2499-2509.	3.3	41
59	Toward nodal staging of axillary lymph node basins through intradermal administration of fluorescent imaging agents. Biomedical Optics Express, 2014, 5, 183.	2.9	16
60	Non-invasive fluorescence imaging under ambient light conditions using a modulated ICCD and laser diode. Biomedical Optics Express, 2014, 5, 562.	2.9	19
61	An abnormal lymphatic phenotype is associated with subcutaneous adipose tissue deposits in Dercum's disease. Obesity, 2014, 22, 2186-2192.	3.0	30
62	A matter of collection and detection for intraoperative and noninvasive near-infrared fluorescence molecular imaging: To see or not to see?. Medical Physics, 2014, 41, 022105.	3.0	46
63	Targeting Pili in Enterococcal Pathogenesis. Infection and Immunity, 2014, 82, 1540-1547.	2.2	39
64	Small animal fluorescence and bioluminescence tomography: a review of approaches, algorithms and technology update. Physics in Medicine and Biology, 2014, 59, R1-R64.	3.0	170
65	Investigational Lymphatic Imaging at the Bedside in a Pediatric Postoperative Chylothorax Patient. Pediatric Cardiology, 2014, 35, 1295-1300.	1.3	21
66	Lymphatic vessel abnormalities arising from disorders of Ras signal transduction. Trends in Cardiovascular Medicine, 2014, 24, 121-127.	4.9	28
67	Emerging lymphatic imaging technologies for mouse and man. Journal of Clinical Investigation, 2014, 124, 905-914.	8.2	99
68	Clinical Translation and Discovery with Near-infrared Fluorescence Lymphatic Imaging. , 2014, , .		0
69	Assessing lymphatic response to treatments in head and neck cancer using near-infrared fluorescence imaging. Proceedings of SPIE, 2014, , .	0.8	0
70	Intradermal administration of fluorescent contrast agents for delivery to axillary lymph nodes. Proceedings of SPIE, 2014, , .	0.8	0
71	Performance evaluation of integrating detectors for near-infrared fluorescence molecular imaging. Proceedings of SPIE, 2014, , .	0.8	0
72	Improvements in frequency-domain based NIRF optical tomography modality for preclinical studies. Proceedings of SPIE, 2014, , .	0.8	0

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73	Performance evaluation of fluorescence tomography in a Siemens Inveon multimodality scanner. Proceedings of SPIE, 2014, , .	0.8	0
74	Spatio-Temporal Changes of Lymphatic Contractility and Drainage Patterns following Lymphadenectomy in Mice. PLoS ONE, 2014, 9, e106034.	2.5	34
75	Evidence for SH2 Domain-Containing 5â€²-Inositol Phosphatase-2 (SHIP2) Contributing to a Lymphatic Dysfunction. PLoS ONE, 2014, 9, e112548.	2.5	13
76	Abstract 2052: Assessing lymphatic response to treatments in head and neck cancer using near-infrared fluorescence imaging. , 2014, , .		0
77	Abstract 2055: Modulated near-infrared fluorescence light imaging of primary tumor margins, cancer positive lymph nodes, and freshly excised human cancers with imaging agent targeting EpCAM. , 2014, , .		0
78	Abstract 4298: Comparison of dual labeling strategies for NIRF/PET hybrid imaging. , 2014, , .		0
79	Tumor Margin Detection Using Quantitative NIRF Molecular Imaging Targeting EpCAM Validated by Far Red Gene Reporter iRFP. Molecular Imaging and Biology, 2013, 15, 560-568.	2.6	40
80	Cytokines are systemic effectors of lymphatic function in acute inflammation. Cytokine, 2013, 64, 362-369.	3.2	99
81	A peptide probe for targeted brown adipose tissue imaging. Nature Communications, 2013, 4, 2472.	12.8	55
82	Multimodal Chelation Platform for Near-Infrared Fluorescence/Nuclear Imaging. Journal of Medicinal Chemistry, 2013, 56, 406-416.	6.4	37
83	Development of a QDots 800 based fluorescent solid phantom for validation of NIRF imaging platforms. , 2013, , .		0
84	Advancing the translation of optical imaging agents for clinical imaging. Biomedical Optics Express, 2013, 4, 160.	2.9	16
85	Direct visualization of changes of lymphatic function and drainage pathways in lymph node metastasis of B16F10 melanoma using near-infrared fluorescence imaging. Biomedical Optics Express, 2013, 4, 967.	2.9	25
86	Photons across medicine: relating optical and nuclear imaging. Biomedical Optics Express, 2013, 4, 2751.	2.9	5
87	Far-red fluorescence gene reporter tomography for determination of placement and viability of cell-based gene therapies. Optics Express, 2013, 21, 24129.	3.4	1
88	Non-invasive imaging of prostate cancer progression in nude mice using iRFP gene reporter. Proceedings of SPIE, 2013, , .	0.8	2
89	Lymphatic abnormalities are associated with <i>RASA1</i> gene mutations in mouse and man. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8621-8626.	7.1	116
90	In vivo imaging of orthotopic prostate cancer with far-red gene reporter fluorescence tomography and in vivo validation. Journal of Biomedical Optics, 2013, 18, 101305.	2.6	18

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91	The need for performance standards in clinical translation and adoption of fluorescence molecular imaging. <i>Medical Physics</i> , 2013, 40, 040402.	3.0	13
92	Detection of lymphangiogenesis by near-infrared fluorescence imaging and responses to VEGF-C during healing in a mouse full-thickness wound model. <i>Wound Repair and Regeneration</i> , 2013, 21, 604-615.	3.0	12
93	Non-invasive Optical Imaging of the Lymphatic Vasculature of a Mouse. <i>Journal of Visualized Experiments</i> , 2013, , e4326.	0.3	16
94	Lymphatic Vascular Response to Acute Inflammation. <i>PLoS ONE</i> , 2013, 8, e76078.	2.5	17
95	Advancing the Translation of Optical Imaging Agents Through Dual Labeling. , 2013, , .		0
96	Determination of detection limitation of NIRF device using QDots 800 based fluorescent solid phantom. , 2013, , .		0
97	Accelerating the translation of molecular fluorescence imaging. , 2013, , .		0
98	Pre-clinical Validation of Near-Infrared Molecular Imaging Agents and Devices for Intraoperative Guidance. , 2013, , .		0
99	Performance validation of EMCCD and ICCD based near-infrared fluorescence imaging systems on a fluorescence solid phantom. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
100	Seeing it through: translational validation of new medical imaging modalities. <i>Biomedical Optics Express</i> , 2012, 3, 764.	2.9	20
101	Lymphatic abnormalities in the normal contralateral arms of subjects with breast cancer-related lymphedema as assessed by near-infrared fluorescent imaging. <i>Biomedical Optics Express</i> , 2012, 3, 1256.	2.9	47
102	Automated analysis of investigational near-infrared fluorescence lymphatic imaging in humans. <i>Biomedical Optics Express</i> , 2012, 3, 1713.	2.9	11
103	Comparison of mAbs Targeting Epithelial Cell Adhesion Molecule for the Detection of Prostate Cancer Lymph Node Metastases with Multimodal Contrast Agents: Quantitative Small-Animal PET/CT and NIRF. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1427-1437.	5.0	47
104	A compact frequency-domain photon migration system for integration into commercial hybrid small animal imaging scanners for fluorescence tomography. <i>Physics in Medicine and Biology</i> , 2012, 57, 8135-8152.	3.0	16
105	Altered lymphatic function and architecture in salt-induced hypertension assessed by near-infrared fluorescence imaging. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	2.6	14
106	Fluorescence-enhanced optical tomography and nuclear imaging system for small animals. , 2012, , .		0
107	Discovery in translation: near-infrared fluorescence imaging. , 2012, , .		0
108	Imaging B. anthracis heme catabolism in mice using the IFP1.4 gene reporter. , 2012, , .		0

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109	Frequency domain photon migration measurements of dense monodisperse charged lattices and analysis using solutions of Ornstein Zernike equations. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 114-120.	9.4	0
110	Translation of Near-Infrared Fluorescence Imaging Technologies: Emerging Clinical Applications. <i>Annual Review of Medicine</i> , 2012, 63, 217-231.	12.2	314
111	RASA1 maintains the lymphatic vasculature in a quiescent functional state in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 733-747.	8.2	111
112	Imaging prostate cancer lymph node metastases with a multimodality contrast agent. <i>Prostate</i> , 2012, 72, 129-146.	2.3	48
113	Near-infrared fluorescence imaging of lymphatics in head and neck lymphedema. <i>Head and Neck</i> , 2012, 34, 448-453.	2.0	43
114	Quantifying multimodal contrast agent biological activity using near-infrared flow cytometry. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 338-345.	0.8	5
115	Albumin-Binding Domain Conjugate for Near-Infrared Fluorescence Lymphatic Imaging. <i>Molecular Imaging and Biology</i> , 2012, 14, 301-314.	2.6	33
116	Dual-Labeling Strategies for Nuclear and Fluorescence Molecular Imaging: A Review and Analysis. <i>Molecular Imaging and Biology</i> , 2012, 14, 261-276.	2.6	112
117	The Role of Lymphatics in Cancer as Assessed by Near-Infrared Fluorescence Imaging. <i>Annals of Biomedical Engineering</i> , 2012, 40, 408-421.	2.5	25
118	Frequency-domain Fluorescence-enhanced Optical Tomography for Primary Prostate Cancer with PET Validation in Siemens Inveon Scanner: A Preliminary Result. , 2012, , .		0
119	Hybrid PET/CT and Frequency-Domain Based NIRF Optical Tomography Modality for Preclinical Studies. , 2012, , .		1
120	Assessment of Lymphatic Contractile Function After Manual Lymphatic Drainage Using Near-Infrared Fluorescence Imaging. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 756-764.e1.	0.9	125
121	Mouse phenotyping with near-infrared fluorescence lymphatic imaging. <i>Biomedical Optics Express</i> , 2011, 2, 1403.	2.9	36
122	Reconstruction of sectional images in frequency-domain based photoacoustic imaging. <i>Optics Express</i> , 2011, 19, 23286.	3.4	5
123	Reduction of noise floor for molecular, fluorescence-enhanced optical imaging. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
124	MINIMIZING EXCITATION LIGHT LEAKAGE AND MAXIMIZING MEASUREMENT SENSITIVITY FOR MOLECULAR IMAGING WITH NEAR-INFRARED FLUORESCENCE. <i>Journal of Innovative Optical Health Sciences</i> , 2011, 04, 301-307.	1.0	7
125	Functional imaging in tumor-associated lymphatics. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
126	Near-infrared fluorescence imaging of lymphatics in head and neck lymphedema. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1

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127	Assessment of Free Dye in Solutions of Dual-Labeled Antibody Conjugates for In Vivo Molecular Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 32-42.	2.6	9
128	Characterization of chemical, radiochemical and optical properties of a dual-labeled MMP-9 targeting peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3769-3776.	3.0	38
129	Fluorescence-enhanced optical tomography with a radiative transfer-based model. , 2011, , .		0
130	Improvement of fluorescence-enhanced optical tomography with improved optical filtering and accurate model-based reconstruction algorithms. <i>Journal of Biomedical Optics</i> , 2011, 16, 126002.	2.6	22
131	Fluorescence-enhanced optical tomography using phase information. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
132	Fully parallel adaptive finite element simulation using the simplified spherical harmonics approximations for frequency-domain fluorescence-enhanced optical imaging. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
133	Radiofrequency circuit design and performance evaluation for small animal frequency-domain NIR fluorescence optical tomography. , 2011, , .		2
134	Validation of ALFIA: a platform for quantifying near-infrared fluorescent images of lymphatic propulsion in humans. , 2011, , .		0
135	An image analysis system for near-infrared (NIR) fluorescence lymph imaging. , 2011, , .		0
136	Matrix Metalloproteinase-9 is a Diagnostic Marker of Heterotopic Ossification in a Murine Model. <i>Tissue Engineering - Part A</i> , 2011, 17, 2487-2496.	3.1	39
137	Abstract 5233: Abnormal lymphatic drainage and function from vascular endothelial growth factor (VEGF)-C overexpressing B16F10 melanoma. , 2011, , .		0
138	Single dose toxicity study of IRDye 800CW in Sprague-Dawley rats. , 2010, , .		2
139	Reduction of excitation light leakage to improve near-infrared fluorescence imaging for tissue surface and deep tissue imaging. <i>Medical Physics</i> , 2010, 37, 5961-5970.	3.0	32
140	Single-Dose Intravenous Toxicity Study of IRDye 800CW in Sprague-Dawley Rats. <i>Molecular Imaging and Biology</i> , 2010, 12, 583-594.	2.6	203
141	Functional lymphatic imaging in tumor-bearing mice. <i>Journal of Immunological Methods</i> , 2010, 360, 167-172.	1.4	55
142	Near-Infrared Fluorescence Imaging in Humans with Indocyanine Green: A Review and Update. <i>Open Surgical Oncology Journal (Online)</i> , 2010, 2, 12-25.	1.7	212
143	A parallel adaptive finite element simplified spherical harmonics approximation solver for frequency domain fluorescence molecular imaging. <i>Physics in Medicine and Biology</i> , 2010, 55, 4625-4645.	3.0	42
144	Direct evidence of lymphatic function improvement after advanced pneumatic compression device treatment of lymphedema. <i>Biomedical Optics Express</i> , 2010, 1, 114.	2.9	86

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145	Detection of Cancer Metastases with a Dual-labeled Near-Infrared/Position Emission Tomography Imaging Agent. <i>Translational Oncology</i> , 2010, 3, 307-IN1.	3.7	79
146	Human Lymphatic Architecture and Dynamic Transport Imaged Using Near-infrared Fluorescence. <i>Translational Oncology</i> , 2010, 3, 362-IN7.	3.7	116
147	Hydrogel Microsphere Encapsulation of a Cell-Based Gene Therapy System Increases Cell Survival of Injected Cells, Transgene Expression, and Bone Volume in a Model of Heterotopic Ossification. <i>Tissue Engineering - Part A</i> , 2010, 16, 3727-3736.	3.1	62
148	Near-Infrared Fluorescence Imaging in Humans with Indocyanine Green: A Review and Update~!2009-12-07~!2009-12-23~!2010-05-26~!. <i>Open Surgical Oncology Journal (Online)</i> , 2010, 2, 12-25.	1.7	255
149	NIR fluorescence imaging for in vivo assessment of normal and diseased lymphatics. , 2010, , .		0
150	Lymphatic imaging in humans with near-infrared fluorescence. <i>Current Opinion in Biotechnology</i> , 2009, 20, 74-82.	6.6	220
151	Characterization and performance of a near-infrared 2-deoxyglucose optical imaging agent for mouse cancer models. <i>Analytical Biochemistry</i> , 2009, 384, 254-262.	2.4	116
152	Noise filtration in fluorescence-enhanced optical tomography: breast phantom studies. <i>Inverse Problems in Science and Engineering</i> , 2009, 17, 97-104.	1.2	1
153	Virus-like Particle (VLP) Lymphatic Trafficking and Immune Response Generation After Immunization by Different Routes. <i>Journal of Immunotherapy</i> , 2009, 32, 118-128.	2.4	131
154	Fast intersections on nested tetrahedrons (FINT): An algorithm for adaptive finite element based distributed parameter estimation. <i>Journal of Computational Physics</i> , 2008, 227, 5778-5798.	3.8	10
155	<i>New Horizons for Imaging Lymphatic Function</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1131, 13-36.	3.8	119
156	Molecular imaging with optics: primer and case for near-infrared fluorescence techniques in personalized medicine. <i>Journal of Biomedical Optics</i> , 2008, 13, 041303.	2.6	100
157	In vivo fluorescent optical imaging of cytotoxic T lymphocyte migration using IRDye800CW near-infrared dye. <i>Applied Optics</i> , 2008, 47, 5944.	2.1	22
158	Near infrared fluorescent optical imaging for nodal staging. <i>Journal of Biomedical Optics</i> , 2008, 13, 041312.	2.6	49
159	Imaging of Lymph Flow in Breast Cancer Patients after Microdose Administration of a Near-Infrared Fluorophore: Feasibility Study. <i>Radiology</i> , 2008, 246, 734-741.	7.3	292
160	Radiative transport-based frequency-domain fluorescence tomography. <i>Physics in Medicine and Biology</i> , 2008, 53, 2069-2088.	3.0	75
161	Dual-Labeled Trastuzumab-Based Imaging Agent for the Detection of Human Epidermal Growth Factor Receptor 2 Overexpression in Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1501-1510.	5.0	175
162	ADAPTIVE TECHNIQUE FOR FLUORESCENCE ENHANCED OPTICAL TOMOGRAPHY USING TETRAHEDRAL DUAL-MESH. , 2007, , .		0

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163	Quantitative imaging of lymph function. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H3109-H3118.	3.2	103
164	COMPARISON OF RADIATIVE TRANSPORT, MONTE CARLO, AND DIFFUSION FORWARD MODELS FOR SMALL ANIMAL OPTICAL TOMOGRAPHY. , 2007, , .		0
165	Monte Carlo simulation of time-dependent, transport-limited fluorescent boundary measurements in frequency domain. Medical Physics, 2007, 34, 1298-1311.	3.0	7
166	Comparison of visible and near-infrared wavelength-excitabile fluorescent dyes for molecular imaging of cancer. Journal of Biomedical Optics, 2007, 12, 024017.	2.6	193
167	Fluorescence-enhanced three-dimensional lifetime imaging: a phantom study. Physics in Medicine and Biology, 2007, 52, 4155-4170.	3.0	14
168	Fully adaptive finite element based tomography using tetrahedral dual-meshing for fluorescence enhanced optical imaging in tissue. Optics Express, 2007, 15, 6955.	3.4	50
169	Noninvasive Quantitative Imaging of Lymph Function in Mice. Lymphatic Research and Biology, 2007, 5, 219-232.	1.1	98
170	A New Optical and Nuclear Dual-Labeled Imaging Agent Targeting Interleukin 11 Receptor Alpha-Chain. Bioconjugate Chemistry, 2007, 18, 397-402.	3.6	85
171	Sensitivity and Depth Penetration of Continuous Wave Versus Frequency-domain Photon Migration Near-infrared Fluorescence Contrast-enhanced Imaging \hat{A} . Photochemistry and Photobiology, 2007, 77, 420-430.	2.5	3
172	Sensitivity and depth penetration of continuous wave versus frequency-domain photon migration near-infrared fluorescence contrast-enhanced imaging. Photochemistry and Photobiology, 2007, 78, 103-103.	2.5	0
173	Radiative transport in fluorescence-enhanced frequency domain photon migration. Medical Physics, 2006, 33, 4685-4700.	3.0	25
174	Plane-wave fluorescence tomography with adaptive finite elements. Optics Letters, 2006, 31, 193.	3.3	30
175	Non-contact fluorescence optical tomography with scanning patterned illumination. Optics Express, 2006, 14, 6516.	3.4	95
176	Assessment of a fluorescence-enhanced optical imaging system using the Hotelling observer. Optics Express, 2006, 14, 7642.	3.4	9
177	Dual optical and nuclear imaging in human melanoma xenografts using a single targeted imaging probe. Nuclear Medicine and Biology, 2006, 33, 349-358.	0.6	126
178	Evaluation of Ingredient Concentration in Powders Using Two-Speed Photon Migration Theory and Measurements. Journal of Pharmaceutical Sciences, 2006, 95, 530-541.	3.3	4
179	Fluorescence-enhanced optical tomography of a large tissue phantom using point illumination geometries. Journal of Biomedical Optics, 2006, 11, 044007.	2.6	11
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