

Eva M Sevick-Muraca

List of Publications by Year in descending order

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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	QUANTITATIVE OPTICAL SPECTROSCOPY FOR TISSUE DIAGNOSIS. Annual Review of Physical Chemistry, 1996, 47, 555-606.	10.8	1,181
2	Quantitation of time- and frequency-resolved optical spectra for the determination of tissue oxygenation. Analytical Biochemistry, 1991, 195, 330-351.	2.4	381
3	Fluorescence-enhanced, near infrared diagnostic imaging with contrast agents. Current Opinion in Chemical Biology, 2002, 6, 642-650.	6.1	338
4	Developments Toward Diagnostic Breast Cancer Imaging Using Near-Infrared Optical Measurements and Fluorescent Contrast Agents ¹ . Neoplasia, 2000, 2, 388-417.	5.3	319
5	Translation of Near-Infrared Fluorescence Imaging Technologies: Emerging Clinical Applications. Annual Review of Medicine, 2012, 63, 217-231.	12.2	314
6	Imaging of Lymph Flow in Breast Cancer Patients after Microdose Administration of a Near-Infrared Fluorophore: Feasibility Study. Radiology, 2008, 246, 734-741.	7.3	292
7	Near-Infrared Fluorescence Imaging in Humans with Indocyanine Green: A Review and Update~!2009-12-07~!2009-12-23~!2010-05-26~!. Open Surgical Oncology Journal (Online), 2010, 2, 12-25.	1.7	255
8	Lymphatic imaging in humans with near-infrared fluorescence. Current Opinion in Biotechnology, 2009, 20, 74-82.	6.6	220
9	Near-Infrared Fluorescence Imaging in Humans with Indocyanine Green: A Review and Update. Open Surgical Oncology Journal (Online), 2010, 2, 12-25.	1.7	212
10	Single-Dose Intravenous Toxicity Study of IRDye 800CW in Sprague-Dawley Rats. Molecular Imaging and Biology, 2010, 12, 583-594.	2.6	203
11	Near-infrared optical imaging of epidermal growth factor receptor in breast cancer xenografts. Cancer Research, 2003, 63, 7870-5.	0.9	203
12	Imaging of Spontaneous Canine Mammary Tumors Using Fluorescent Contrast Agents. Photochemistry and Photobiology, 1999, 70, 87-94.	2.5	202
13	Comparison of visible and near-infrared wavelength-excitable fluorescent dyes for molecular imaging of cancer. Journal of Biomedical Optics, 2007, 12, 024017.	2.6	193
14	Fluid shear stress activates YAP1 to promote cancer cell motility. Nature Communications, 2017, 8, 14122.	12.8	181
15	Adaptive finite element based tomography for fluorescence optical imaging in tissue. Optics Express, 2004, 12, 5402.	3.4	178
16	Dual-Labeled Trastuzumab-Based Imaging Agent for the Detection of Human Epidermal Growth Factor Receptor 2 Overexpression in Breast Cancer. Journal of Nuclear Medicine, 2007, 48, 1501-1510.	5.0	175
17	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
18	Optical properties of normal and diseased breast tissues: prognosis for optical mammography. Journal of Biomedical Optics, 1996, 1, 342.	2.6	168

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19	Fluorescence and Absorption Contrast Mechanisms for Biomedical Optical Imaging Using Frequency-Domain Techniques. <i>Photochemistry and Photobiology</i> , 1997, 66, 55-64.	2.5	156
20	Fluorescence-enhanced optical imaging in large tissue volumes using a gain-modulated ICCD camera. <i>Physics in Medicine and Biology</i> , 2003, 48, 1701-1720.	3.0	153
21	Pharmacokinetics of ICG and HPPH-car for the Detection of Normal and Tumor Tissue Using Fluorescence, Near-infrared Reflectance Imaging: A Case Study. <i>Photochemistry and Photobiology</i> , 2000, 72, 94.	2.5	147
22	Three-dimensional, Bayesian image reconstruction from sparse and noisy data sets: Near-infrared fluorescence tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9619-9624.	7.1	139
23	A review of performance of near-infrared fluorescence imaging devices used in clinical studies. <i>British Journal of Radiology</i> , 2015, 88, 20140547.	2.2	134
24	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
25	Dual optical and nuclear imaging in human melanoma xenografts using a single targeted imaging probe. <i>Nuclear Medicine and Biology</i> , 2006, 33, 349-358.	0.6	126
26	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
27	Truncated Newton's optimization scheme for absorption and fluorescence optical tomography: Part I theory and formulation. <i>Optics Express</i> , 1999, 4, 353.	3.4	119
28	New Horizons for Imaging Lymphatic Function. <i>Annals of the New York Academy of Sciences</i> , 2008, 1131, 13-36.	3.8	119
29	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
30	Human Lymphatic Architecture and Dynamic Transport Imaged Using Near-infrared Fluorescence. <i>Translational Oncology</i> , 2010, 3, 362-IN7.	3.7	116
31	Lymphatic abnormalities are associated with <i>RASA1</i> gene mutations in mouse and man. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8621-8626.	7.1	116
32	Highly sensitive object location in tissue models with linear in-phase and anti-phase multi-element optical arrays in one and two dimensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 3423-3427.	7.1	114
33	Fluorescence lifetime-based sensing in tissues: a computational study. <i>Biophysical Journal</i> , 1995, 68, 1574-1582.	0.5	113
34	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
35	<i>RASA1</i> maintains the lymphatic vasculature in a quiescent functional state in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 733-747.	8.2	111
36	New diagnostic modalities in the evaluation of lymphedema. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2017, 5, 261-273.	1.6	106

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37	Three-dimensional fluorescence lifetime tomography. <i>Medical Physics</i> , 2005, 32, 992-1000.	3.0	104
38	Quantitative imaging of lymph function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H3109-H3118.	3.2	103
39	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
40	Cytokines are systemic effectors of lymphatic function in acute inflammation. <i>Cytokine</i> , 2013, 64, 362-369.	3.2	99
41	Emerging lymphatic imaging technologies for mouse and man. <i>Journal of Clinical Investigation</i> , 2014, 124, 905-914.	8.2	99
42	The camKK2/camKIV relay is an essential regulator of hepatic cancer. <i>Hepatology</i> , 2015, 62, 505-520.	7.3	99
43	Noninvasive Quantitative Imaging of Lymph Function in Mice. <i>Lymphatic Research and Biology</i> , 2007, 5, 219-232.	1.1	98
44	Diagnostic imaging of breast cancer using fluorescence-enhanced optical tomography: phantom studies. <i>Journal of Biomedical Optics</i> , 2004, 9, 488.	2.6	95
45	Quality analysis of in vivo near-infrared fluorescence and conventional gamma images acquired using a dual-labeled tumor-targeting probe. <i>Journal of Biomedical Optics</i> , 2005, 10, 054010.	2.6	95
46	Non-contact fluorescence optical tomography with scanning patterned illumination. <i>Optics Express</i> , 2006, 14, 6516.	3.4	95
47	Near-Infrared Optical Imaging of Integrin $\alpha_5\beta_1$ in Human Tumor Xenografts. <i>Molecular Imaging</i> , 2004, 3, 343-351.	1.4	95
48	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
49	Origin of phosphorescence signals reemitted from tissues. <i>Optics Letters</i> , 1994, 19, 1928.	3.3	85
50	A New Optical and Nuclear Dual-Labeled Imaging Agent Targeting Interleukin 11 Receptor Alpha-Chain. <i>Bioconjugate Chemistry</i> , 2007, 18, 397-402.	3.6	85
51	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
52	Near-Infrared Fluorescence Optical Imaging and Tomography. <i>Disease Markers</i> , 2004, 19, 107-121.	1.3	75
53	Radiative transport-based frequency-domain fluorescence tomography. <i>Physics in Medicine and Biology</i> , 2008, 53, 2069-2088.	3.0	75
54	Biomedical optical tomography using dynamic parameterization and Bayesian conditioning on photon migration measurements. <i>Applied Optics</i> , 1999, 38, 2138.	2.1	71

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55	Near-infrared fluorescence contrast-enhanced imaging with intensified charge-coupled device homodyne detection: measurement precision and accuracy. <i>Journal of Biomedical Optics</i> , 2003, 8, 111.	2.6	69
56	Three-dimensional Bayesian optical image reconstruction with domain decomposition. <i>IEEE Transactions on Medical Imaging</i> , 2001, 20, 147-163.	8.9	65
57	Three-dimensional fluorescence enhanced optical tomography using referenced frequency-domain photon migration measurements at emission and excitation wavelengths. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 759.	1.5	63
58	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
59	Multipixel Techniques for Frequency-Domain Photon Migration Imaging. <i>Biotechnology Progress</i> , 1997, 13, 669-680.	2.6	61
60	Three-dimensional unconstrained and constrained image-reconstruction techniques applied to fluorescence, frequency-domain photon migration. <i>Applied Optics</i> , 2001, 40, 2206.	2.1	59
61	Functional lymphatic imaging in tumor-bearing mice. <i>Journal of Immunological Methods</i> , 2010, 360, 167-172.	1.4	55
62	A peptide probe for targeted brown adipose tissue imaging. <i>Nature Communications</i> , 2013, 4, 2472.	12.8	55
63	Sensitivity and Depth Penetration of Continuous Wave Versus Frequency-domain Photon Migration Near-infrared Fluorescence Contrast-enhanced Imaging. <i>Photochemistry and Photobiology</i> , 2003, 77, 420.	2.5	53
64	Comparison of DOTA and NODAGA as chelators for ⁶⁴ Cu-labeled immunoconjugates. <i>Nuclear Medicine and Biology</i> , 2015, 42, 177-183.	0.6	53
65	Fully adaptive finite element based tomography using tetrahedral dual-meshing for fluorescence enhanced optical imaging in tissue. <i>Optics Express</i> , 2007, 15, 6955.	3.4	50
66	Fluorescence-enhanced optical tomography using referenced measurements of heterogeneous media. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 824-836.	8.9	49
67	Near infrared fluorescent optical imaging for nodal staging. <i>Journal of Biomedical Optics</i> , 2008, 13, 041312.	2.6	49
68	Fluorescence Lifetime Spectroscopy in Multiply Scattering Media with Dyes Exhibiting Multiexponential Decay Kinetics. <i>Biophysical Journal</i> , 2002, 83, 1165-1176.	0.5	48
69	Evaluation of anatomical structure and non-uniform distribution of imaging agent in near-infrared fluorescence-enhanced optical tomography. <i>Optics Express</i> , 2005, 13, 10182.	3.4	48
70	Imaging prostate cancer lymph node metastases with a multimodality contrast agent. <i>Prostate</i> , 2012, 72, 129-146.	2.3	48
71	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
72	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

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73	Tomographic fluorescence imaging in tissue phantoms: a novel reconstruction algorithm and imaging geometry. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 137-154.	8.9	46
74	A matter of collection and detection for intraoperative and noninvasive near-infrared fluorescence molecular imaging: To see or not to see?. <i>Medical Physics</i> , 2014, 41, 022105.	3.0	46
75	Frequency domain imaging of absorbers obscured by scattering. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 16, 169-185.	3.8	45
76	Detection of Single and Multiple Targets in Tissue Phantoms with Fluorescence-enhanced Optical Imaging: Feasibility Study. <i>Radiology</i> , 2005, 235, 148-154.	7.3	44
77	Fully adaptive FEM based fluorescence optical tomography from time-dependent measurements with area illumination and detection. <i>Medical Physics</i> , 2006, 33, 1299-1310.	3.0	44
78	Fluorescence-lifetime determination in tissues or other scattering media from measurement of excitation and emission kinetics. <i>Applied Optics</i> , 1996, 35, 2325.	2.1	43
79	Precise analysis of frequency domain photon migration measurement for characterization of concentrated colloidal suspensions. <i>Review of Scientific Instruments</i> , 2002, 73, 383-393.	1.3	43
80	Near-infrared fluorescence imaging of lymphatics in head and neck lymphedema. <i>Head and Neck</i> , 2012, 34, 448-453.	2.0	43
81	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
82	Stable confinement of positron emission tomography and magnetic resonance agents within carbon nanotubes for bimodal imaging. <i>Nanomedicine</i> , 2014, 9, 2499-2509.	3.3	41
83	Tumor Margin Detection Using Quantitative NIRF Molecular Imaging Targeting EpCAM Validated by Far Red Gene Reporter iRFP. <i>Molecular Imaging and Biology</i> , 2013, 15, 560-568.	2.6	40
84	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
85	Targeting Pili in Enterococcal Pathogenesis. <i>Infection and Immunity</i> , 2014, 82, 1540-1547.	2.2	39
86	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
87	Active constrained truncated Newton method for simple-bound optical tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1627.	1.5	37
88	Multimodal Chelation Platform for Near-Infrared Fluorescence/Nuclear Imaging. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 406-416.	6.4	37
89	Mouse phenotyping with near-infrared fluorescence lymphatic imaging. <i>Biomedical Optics Express</i> , 2011, 2, 1403.	2.9	36
90	Lymphatic transport in patients with chronic venous insufficiency and venous leg ulcers following sequential pneumatic compression. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2016, 4, 9-17.	1.6	36

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91	Measurement of the fluorescence lifetime in scattering media by frequency-domain photon migration. <i>Applied Optics</i> , 1999, 38, 4930.	2.1	35
92	A numerical study of gradient-based nonlinear optimization methods for contrast enhanced optical tomography. <i>Optics Express</i> , 2001, 9, 49.	3.4	35
93	Spatio-Temporal Changes of Lymphatic Contractility and Drainage Patterns following Lymphadenectomy in Mice. <i>PLoS ONE</i> , 2014, 9, e106034.	2.5	34
94	Albumin-Binding Domain Conjugate for Near-Infrared Fluorescence Lymphatic Imaging. <i>Molecular Imaging and Biology</i> , 2012, 14, 301-314.	2.6	33
95	Determining the Performance of Fluorescence Molecular Imaging Devices Using Traceable Working Standards With SI Units of Radiance. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 802-811.	8.9	33
96	Protease-Activatable Adeno-Associated Virus Vector for Gene Delivery to Damaged Heart Tissue. <i>Molecular Therapy</i> , 2019, 27, 611-622.	8.2	33
97	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
98	Error consideration in contrast-enhanced three-dimensional optical tomography. <i>Optics Letters</i> , 2001, 26, 704.	3.3	31
99	Application of Frequency Domain Photon Migration to Particle Size Analysis and Monitoring of Pharmaceutical Powders. <i>Analytical Chemistry</i> , 2003, 75, 1720-1725.	6.5	31
100	A comparison of exact and approximate adjoint sensitivities in fluorescence tomography. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 1215-1223.	8.9	31
101	Nanotopography-based lymphatic delivery for improved anti-tumor responses to checkpoint blockade immunotherapy. <i>Theranostics</i> , 2019, 9, 8332-8343.	10.0	31
102	Quantifying molecular specificity of $\alpha v \beta 3$ integrin-targeted optical contrast agents with dynamic optical imaging. <i>Journal of Biomedical Optics</i> , 2005, 10, 034019.	2.6	30
103	Plane-wave fluorescence tomography with adaptive finite elements. <i>Optics Letters</i> , 2006, 31, 193.	3.3	30
104	An abnormal lymphatic phenotype is associated with subcutaneous adipose tissue deposits in Dercum's disease. <i>Obesity</i> , 2014, 22, 2186-2192.	3.0	30
105	Measurement of particle-size distribution and volume fraction in concentrated suspensions with photon migration techniques. <i>Applied Optics</i> , 1997, 36, 3310.	2.1	28
106	Fluorescence Lifetime Spectroscopy of a pH-Sensitive Dye Encapsulated in Hydrogel Beads. <i>Biotechnology Progress</i> , 2004, 20, 1561-1566.	2.6	28
107	Lymphatic vessel abnormalities arising from disorders of Ras signal transduction. <i>Trends in Cardiovascular Medicine</i> , 2014, 24, 121-127.	4.9	28
108	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

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109	Fluorescence Lifetime Spectroscopy for pH Sensing in Scattering Media. <i>Analytical Chemistry</i> , 2003, 75, 4325-4329.	6.5	27
110	Imaging Dose-dependent Pharmacokinetics of an RGD-Fluorescent Dye Conjugate Targeted to $\alpha v \beta 3$ Receptor Expressed in Kaposi's Sarcoma. <i>Molecular Imaging</i> , 2005, 4, 153535002005051.	1.4	27
111	Particle Sizing Using Frequency Domain Photon Migration. <i>Particle and Particle Systems Characterization</i> , 1998, 15, 9-15.	2.3	26
112	Near-infrared fluorescence contrast-enhanced imaging with area illumination and area detection: the forward imaging problem. <i>Applied Optics</i> , 2003, 42, 4125.	2.1	26
113	Radiative transport in fluorescence-enhanced frequency domain photon migration. <i>Medical Physics</i> , 2006, 33, 4685-4700.	3.0	25
114	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
115	Direct visualization of changes of lymphatic function and drainage pathways in lymph node metastasis of B16F10 melanoma using near-infrared fluorescence imaging. <i>Biomedical Optics Express</i> , 2013, 4, 967.	2.9	25
116	Fluorescence imaging of lymphatic outflow of cerebrospinal fluid in mice. <i>Journal of Immunological Methods</i> , 2017, 449, 37-43.	1.4	25
117	Imaging dose-dependent pharmacokinetics of an RGD-fluorescent dye conjugate targeted to $\alpha v \beta 3$ receptor expressed in Kaposi's sarcoma. <i>Molecular Imaging</i> , 2005, 4, 75-87.	1.4	25
118	Influence of the refractive index-mismatch at the boundaries measured in fluorescence-enhanced frequency-domain photon migration imaging. <i>Optics Express</i> , 2002, 10, 653.	3.4	24
119	In Vivo Lymphatic Imaging of a Human Inflammatory Breast Cancer Model. <i>Journal of Cancer</i> , 2014, 5, 774-783.	2.5	24
120	Photon migration in a model of the head measured using time- and frequency-domain techniques: potentials of spectroscopy and imaging. , 1991, , .		23
121	Approach for Particle Sizing in Dense Polydisperse Colloidal Suspension Using Multiple Scattered Light. <i>Langmuir</i> , 2001, 17, 6142-6147.	3.5	23
122	Improved Excitation Light Rejection Enhances Small-Animal Fluorescent Optical Imaging. <i>Molecular Imaging</i> , 2005, 4, 153535002005051.	1.4	23
123	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
124	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
125	Longitudinal monitoring of the head and neck lymphatics in response to surgery and radiation. <i>Head and Neck</i> , 2017, 39, 1177-1188.	2.0	22
126	Photon-migration measurement of latex size distribution in concentrated suspensions. <i>AIChE Journal</i> , 1997, 43, 655-664.	3.6	21

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127	Determination of optical properties in semi-infinite turbid media using imaging measurements of frequency-domain photon migration obtained with an intensified charge-coupled device. <i>Journal of Biomedical Optics</i> , 2004, 9, 1336.	2.6	21
128	Investigational Lymphatic Imaging at the Bedside in a Pediatric Postoperative Chylothorax Patient. <i>Pediatric Cardiology</i> , 2014, 35, 1295-1300.	1.3	21
129	Investigation of static structure factor in dense suspensions by use of multiply scattered light. <i>Applied Optics</i> , 1999, 38, 197.	2.1	20
130	Fluorescence-enhanced absorption imaging using frequency-domain photon migration: tolerance to measurement error. <i>Journal of Biomedical Optics</i> , 2001, 6, 58.	2.6	20
131	Fluorescence photon migration by the boundary element method. <i>Journal of Computational Physics</i> , 2005, 210, 109-132.	3.8	20
132	Seeing it through: translational validation of new medical imaging modalities. <i>Biomedical Optics Express</i> , 2012, 3, 764.	2.9	20
133	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
134	Probing Static Structure of Colloid-Polymer Suspensions with Multiply Scattered Light. <i>Journal of Colloid and Interface Science</i> , 1999, 209, 142-153.	9.4	19
135	Non-invasive fluorescence imaging under ambient light conditions using a modulated ICCD and laser diode. <i>Biomedical Optics Express</i> , 2014, 5, 562.	2.9	19
136	The Development and Treatment of Lymphatic Dysfunction in Cancer Patients and Survivors. <i>Cancers</i> , 2020, 12, 2280.	3.7	19
137	Volume of Pharmaceutical Powders Probed by Frequency-Domain Photon Migration Measurements of Multiply Scattered Light. <i>Analytical Chemistry</i> , 2002, 74, 4228-4234.	6.5	18
138	Measurement of Low-Dose Active Pharmaceutical Ingredient in a Pharmaceutical Blend Using Frequency-Domain Photon Migration. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 635-645.	3.3	18
139	In vivo imaging of orthotopic prostate cancer with far-red gene reporter fluorescence tomography and in vivo validation. <i>Journal of Biomedical Optics</i> , 2013, 18, 101305.	2.6	18
140	Lymphatic Vascular Response to Acute Inflammation. <i>PLoS ONE</i> , 2013, 8, e76078.	2.5	17
141	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
142	Advancing the translation of optical imaging agents for clinical imaging. <i>Biomedical Optics Express</i> , 2013, 4, 160.	2.9	16
143	Non-invasive Optical Imaging of the Lymphatic Vasculature of a Mouse. <i>Journal of Visualized Experiments</i> , 2013, , e4326.	0.3	16
144	Toward nodal staging of axillary lymph node basins through intradermal administration of fluorescent imaging agents. <i>Biomedical Optics Express</i> , 2014, 5, 183.	2.9	16

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145	Lymphatic delivery of etanercept via nanotopography improves response to collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2017, 19, 116.	3.5	16
146	Near-Infrared Optical Imaging of Integrin $\alpha_5\beta_3$ in Human Tumor Xenografts. <i>Molecular Imaging</i> , 2004, 3, 153535002004041.	1.4	15
147	Deglycosylation of mAb by EndoS for Improved Molecular Imaging. <i>Molecular Imaging and Biology</i> , 2015, 17, 195-203.	2.6	15
148	Improved excitation light rejection enhances small-animal fluorescent optical imaging. <i>Molecular Imaging</i> , 2005, 4, 194-204.	1.4	15
149	Measurements of FRET in a Glucose-sensitive Affinity System with Frequency-domain Lifetime Spectroscopy. <i>Photochemistry and Photobiology</i> , 2005, 81, 1386.	2.5	14
150	Fluorescence-enhanced three-dimensional lifetime imaging: a phantom study. <i>Physics in Medicine and Biology</i> , 2007, 52, 4155-4170.	3.0	14
151	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
152	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
153	<title>Three-dimensional optical tomography</title>. , 1999, 3597, 97.		13
154	The need for performance standards in clinical translation and adoption of fluorescence molecular imaging. <i>Medical Physics</i> , 2013, 40, 040402.	3.0	13
155	Near-Infrared Fluorescence Lymphatic Imaging of a Toddler With Congenital Lymphedema. <i>Pediatrics</i> , 2017, 139, e20154456.	2.1	13
156	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
157	Evidence for SH2 Domain-Containing 5 α -Inositol Phosphatase-2 (SHIP2) Contributing to a Lymphatic Dysfunction. <i>PLoS ONE</i> , 2014, 9, e112548.	2.5	13
158	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
159	Radiation Dose-Dependent Changes in Lymphatic Remodeling. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 852-860.	0.8	12
160	Inversion algorithms for particle sizing with photon migration measurement. <i>AIChE Journal</i> , 2001, 47, 1487-1498.	3.6	11
161	Fluorescence-enhanced optical tomography of a large tissue phantom using point illumination geometries. <i>Journal of Biomedical Optics</i> , 2006, 11, 044007.	2.6	11
162	Automated analysis of investigational near-infrared fluorescence lymphatic imaging in humans. <i>Biomedical Optics Express</i> , 2012, 3, 1713.	2.9	11

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