

# Quing Zhu

## List of Publications by Year in descending order

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151  
papers

4,233  
citations

109321

35  
h-index

133252

59  
g-index

156  
all docs

156  
docs citations

156  
times ranked

3059  
citing authors

#	ARTICLE	IF	CITATIONS
1	A real-time photoacoustic tomography system for small animals. <i>Optics Express</i> , 2009, 17, 10489.	3.4	212
2	Benign versus Malignant Breast Masses: Optical Differentiation with US-guided Optical Imaging Reconstruction. <i>Radiology</i> , 2005, 237, 57-66.	7.3	189
3	Adhesion of Human Osteoblasts on Root-End Filling Materials. <i>Journal of Endodontics</i> , 2000, 26, 404-406.	3.1	175
4	Imaging tumor angiogenesis by use of combined near-infrared diffusive light and ultrasound. <i>Optics Letters</i> , 2003, 28, 337.	3.3	158
5	Utilizing Optical Tomography with Ultrasound Localization to Image Heterogeneous Hemoglobin Distribution in Large Breast Cancers. <i>Neoplasia</i> , 2005, 7, 263-270.	5.3	155
6	Ultrasound-Guided Optical Tomographic Imaging of Malignant and Benign Breast Lesions: Initial Clinical Results of 19 Cases. <i>Neoplasia</i> , 2003, 5, 379-388.	5.3	144
7	Emission and absorption properties of indocyanine green in Intralipid solution. <i>Journal of Biomedical Optics</i> , 2004, 9, 497.	2.6	117
8	Integrated optical coherence tomography, ultrasound and photoacoustic imaging for ovarian tissue characterization. <i>Biomedical Optics Express</i> , 2011, 2, 2551.	2.9	99
9	Early-Stage Invasive Breast Cancers: Potential Role of Optical Tomography with US Localization in Assisting Diagnosis. <i>Radiology</i> , 2010, 256, 367-378.	7.3	96
10	Imager that combines near-infrared diffusive light and ultrasound. <i>Optics Letters</i> , 1999, 24, 1050.	3.3	91
11	Optical scattering coefficient estimated by optical coherence tomography correlates with collagen content in ovarian tissue. <i>Journal of Biomedical Optics</i> , 2011, 16, 090504.	2.6	91
12	Photoacoustic imaging with low-cost sources; A review. <i>Photoacoustics</i> , 2019, 14, 1-11.	7.8	90
13	Simultaneous near-infrared diffusive light and ultrasound imaging. <i>Applied Optics</i> , 2001, 40, 6367.	2.1	84
14	Noninvasive Monitoring of Breast Cancer during Neoadjuvant Chemotherapy Using Optical Tomography with Ultrasound Localization. <i>Neoplasia</i> , 2008, 10, 1028-1040.	5.3	83
15	Breast Cancer: Assessing Response to Neoadjuvant Chemotherapy by Using US-guided Near-Infrared Tomography. <i>Radiology</i> , 2013, 266, 433-442.	7.3	78
16	A low-cost photoacoustic microscopy system with a laser diode excitation. <i>Biomedical Optics Express</i> , 2014, 5, 3053.	2.9	71
17	Potential Role of Coregistered Photoacoustic and Ultrasound Imaging in Ovarian Cancer Detection and Characterization. <i>Translational Oncology</i> , 2011, 4, 29-37.	3.7	68
18	Coregistered three-dimensional ultrasound and photoacoustic imaging system for ovarian tissue characterization. <i>Journal of Biomedical Optics</i> , 2009, 14, 054014.	2.6	63

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19	Calreticulin-Integrin Bidirectional Signaling Complex. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 354-358.	2.1	61
20	Evaluation of Ovarian Cancer: Initial Application of Coregistered Photoacoustic Tomography and US. <i>Radiology</i> , 2018, 289, 740-747.	7.3	60
21	Ultrasound-Guided Diffuse Optical Tomography for Predicting and Monitoring Neoadjuvant Chemotherapy of Breast Cancers. <i>Ultrasonic Imaging</i> , 2016, 38, 5-18.	2.6	53
22	Feasibility of co-registered ultrasound and acoustic-resolution photoacoustic imaging of human colorectal cancer. <i>Biomedical Optics Express</i> , 2018, 9, 5159.	2.9	53
23	FPGA-based reconfigurable processor for ultrafast interlaced ultrasound and photoacoustic imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012, 59, 1344-1353.	3.0	50
24	Laser scanning laser diode photoacoustic microscopy system. <i>Photoacoustics</i> , 2018, 9, 1-9.	7.8	50
25	Assessment of Functional Differences in Malignant and Benign Breast Lesions and Improvement of Diagnostic Accuracy by Using US-guided Diffuse Optical Tomography in Conjunction with Conventional US. <i>Radiology</i> , 2016, 280, 387-397.	7.3	49
26	Portable near-infrared diffusive light imager for breast cancer detection. <i>Journal of Biomedical Optics</i> , 2004, 9, 504.	2.6	46
27	Coregistered photoacoustic and ultrasound imaging and classification of ovarian cancer: <i>in vivo</i> and <i>in vivo</i> studies. <i>Journal of Biomedical Optics</i> , 2016, 21, 046006.	2.6	46
28	Compact ultrasound-guided diffuse optical tomography system for breast cancer imaging. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	46
29	Dual-mesh optical tomography reconstruction method with a depth correction that uses a priori ultrasound information. <i>Applied Optics</i> , 2004, 43, 1654.	2.1	45
30	Modeling of Noninvasive Microwave Characterization of Breast Tumors. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 1089-1094.	4.2	42
31	Optimal Probing of Optical Contrast of Breast Lesions of Different Size Located at Different Depths by US Localization. <i>Technology in Cancer Research and Treatment</i> , 2006, 5, 365-380.	1.9	41
32	Co-registered pulse-echo/photoacoustic transvaginal probe for real time imaging of ovarian tissue. <i>Journal of Biophotonics</i> , 2013, 6, 475-484.	2.3	39
33	Rotary mirror array for high-speed optical coherence tomography. <i>Optics Letters</i> , 2002, 27, 607.	3.3	38
34	Characterizing optical properties and spatial heterogeneity of human ovarian tissue using spatial frequency domain imaging. <i>Journal of Biomedical Optics</i> , 2016, 21, 101402.	2.6	36
35	Pathologic response prediction to neoadjuvant chemotherapy utilizing pretreatment near-infrared imaging parameters and tumor pathologic criteria. <i>Breast Cancer Research</i> , 2014, 16, 456.	5.0	35
36	Doppler angle and flow velocity mapping by combined Doppler shift and Doppler bandwidth measurements in optical Dopplertomography. <i>Optics Letters</i> , 2003, 28, 1120.	3.3	34

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37	Characterization of ovarian tissue based on quantitative analysis of photoacoustic microscopy images. <i>Biomedical Optics Express</i> , 2013, 4, 2763.	2.9	34
38	An overview of optical coherence tomography for ovarian tissue imaging and characterization. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 1-16.	6.1	34
39	Real-time colorectal cancer diagnosis using PR-OCT with deep learning. <i>Theranostics</i> , 2020, 10, 2587-2596.	10.0	34
40	Design of optimal light delivery system for co-registered transvaginal ultrasound and photoacoustic imaging of ovarian tissue. <i>Photoacoustics</i> , 2015, 3, 114-122.	7.8	32
41	Optical Tomography with Ultrasound Localization for Breast Cancer Diagnosis and Treatment Monitoring. <i>Surgical Oncology Clinics of North America</i> , 2007, 16, 307-321.	1.5	31
42	Diffuse optical tomography reconstruction method using ultrasound images as prior for regularization matrix. <i>Journal of Biomedical Optics</i> , 2017, 22, 026002.	2.6	31
43	In vivo photoacoustic tumor tomography using a quinoline-annulated porphyrin as NIR molecular contrast agent. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 972-983.	2.8	31
44	Synthesis and fluorescent characteristics of imidazole-indocyanine green conjugates. <i>Dyes and Pigments</i> , 2011, 89, 9-15.	3.7	30
45	Recognition algorithm for assisting ovarian cancer diagnosis from coregistered ultrasound and photoacoustic images: <i>ex vivo</i> study. <i>Journal of Biomedical Optics</i> , 2012, 17, 126003.	2.6	30
46	Enhanced fluorescence diffuse optical tomography with indocyanine green-encapsulating liposomes targeted to receptors for vascular endothelial growth factor in tumor vasculature. <i>Journal of Biomedical Optics</i> , 2013, 18, 126014.	2.6	30
47	Targeting tumor hypoxia: a third generation 2-nitroimidazole-indocyanine dye-conjugate with improved fluorescent yield. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11220-11227.	2.8	30
48	Design of miniaturized illumination for transvaginal co-registered photoacoustic and ultrasound imaging. <i>Biomedical Optics Express</i> , 2014, 5, 3074.	2.9	29
49	Mechanisms of the ultrasonic modulation of fluorescence in turbid media. <i>Journal of Applied Physics</i> , 2008, 104, 103102.	2.5	28
50	Indocyanine green enhanced co-registered diffuse optical tomography and photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 126006.	2.6	26
51	Classification and analysis of human ovarian tissue using full field optical coherence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 5182.	2.9	26
52	Classification of human ovarian cancer using functional, spectral, and imaging features obtained from in vivo photoacoustic imaging. <i>Biomedical Optics Express</i> , 2019, 10, 2303.	2.9	26
53	Interlaced photoacoustic and ultrasound imaging system with real-time coregistration for ovarian tissue characterization. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	2.6	24
54	A review of optical breast imaging: Multi-modality systems for breast cancer diagnosis. <i>European Journal of Radiology</i> , 2020, 129, 109067.	2.6	24

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55	A prototype hybrid intraoperative probe for ovarian cancer detection. <i>Optics Express</i> , 2009, 17, 7245.	3.4	23
56	Time-resolved optical measurements with spread spectrum excitation. <i>Optics Letters</i> , 2002, 27, 1806.	3.3	22
57	Time-resolved diffusive optical imaging using pseudo-random bit sequences. <i>Optics Express</i> , 2003, 11, 3445.	3.4	22
58	Imaging Tumor Oxyhemoglobin and Deoxyhemoglobin Concentrations with Ultrasound-Guided Diffuse Optical Tomography. <i>Technology in Cancer Research and Treatment</i> , 2011, 10, 417-429.	1.9	22
59	Structurally modified indocyanine green dyes. Modification of the polyene linker. <i>Dyes and Pigments</i> , 2013, 99, 275-283.	3.7	22
60	Two step imaging reconstruction using truncated pseudoinverse as a preliminary estimate in ultrasound guided diffuse optical tomography. <i>Biomedical Optics Express</i> , 2017, 8, 5437.	2.9	21
61	Optimized light delivery probe using ball lenses for co-registered photoacoustic and ultrasound endo-cavity subsurface imaging. <i>Photoacoustics</i> , 2019, 13, 66-75.	7.8	21
62	Digital signal processor-based real-time optical Doppler tomography system. <i>Journal of Biomedical Optics</i> , 2004, 9, 454.	2.6	20
63	Identifying an early treatment window for predicting breast cancer response to neoadjuvant chemotherapy using immunohistopathology and hemoglobin parameters. <i>Breast Cancer Research</i> , 2018, 20, 56.	5.0	20
64	Machine learning model with physical constraints for diffuse optical tomography. <i>Biomedical Optics Express</i> , 2021, 12, 5720.	2.9	20
65	Cytotoxic evaluation of root-end filling materials in cultures of human osteoblast-like cells and periodontal ligament cells. <i>Journal of Endodontics</i> , 1999, 25, 410-412.	3.1	19
66	Effect of the chest wall on breast lesion reconstruction. <i>Journal of Biomedical Optics</i> , 2009, 14, 044005.	2.6	19
67	Potential role of a hybrid intraoperative probe based on OCT and positron detection for ovarian cancer detection and characterization. <i>Biomedical Optics Express</i> , 2011, 2, 1918.	2.9	19
68	Low-cost compact multispectral spatial frequency domain imaging prototype for tissue characterization. <i>Biomedical Optics Express</i> , 2018, 9, 5503.	2.9	18
69	Quantitative analysis of estimated scattering coefficient and phase retardation for ovarian tissue characterization. <i>Biomedical Optics Express</i> , 2012, 3, 1548.	2.9	17
70	Optical Resolution Photoacoustic Microscopy of Ovary and Fallopian Tube. <i>Scientific Reports</i> , 2019, 9, 14306.	3.3	17
71	Assessing Rectal Cancer Treatment Response Using Coregistered Endorectal Photoacoustic and US Imaging Paired with Deep Learning». <i>Radiology</i> , 2021, 299, 349-358.	7.3	17
72	Two-step reconstruction method using global optimization and conjugate gradient for ultrasound-guided diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 016006.	2.6	16

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73	Correlating optical coherence elastography based strain measurements with collagen content of the human ovarian tissue. <i>Biomedical Optics Express</i> , 2015, 6, 3806.	2.9	16
74	Cyclic fatigue resistance, torsional resistance, and metallurgical characteristics of V taper 2 and V taper 2H rotary NiTi files. <i>Scanning</i> , 2016, 38, 564-570.	1.5	16
75	Role of blood oxygenation saturation in ovarian cancer diagnosis using multi-spectral photoacoustic tomography. <i>Journal of Biophotonics</i> , 2021, 14, e202000368.	2.3	16
76	Simultaneous optical coherence tomography imaging and beta particle detection. <i>Optics Letters</i> , 2003, 28, 1704.	3.3	15
77	Optical Tomography with Ultrasound Localization: Initial Clinical Results and Technical Challenges. <i>Technology in Cancer Research and Treatment</i> , 2005, 4, 235-244.	1.9	15
78	Utilizing spatial and spectral features of photoacoustic imaging for ovarian cancer detection and diagnosis. <i>Journal of Biomedical Optics</i> , 2015, 20, 016002.	2.6	15
79	Automated data selection method to improve robustness of diffuse optical tomography for breast cancer imaging. <i>Biomedical Optics Express</i> , 2016, 7, 4007.	2.9	15
80	The Angular Spectrum of the Scattering Coefficient Map Reveals Subsurface Colorectal Cancer. <i>Scientific Reports</i> , 2019, 9, 2998.	3.3	13
81	Co-registered photoacoustic and ultrasound imaging of human colorectal cancer. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	13
82	Reducing image artifact in diffuse optical tomography by iterative perturbation correction based on multiwavelength measurements. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	13
83	Optimal breast cancer diagnostic strategy using combined ultrasound and diffuse optical tomography. <i>Biomedical Optics Express</i> , 2020, 11, 2722.	2.9	13
84	Integrin expression in human dental pulp cells and their role in cell attachment on extracellular matrix proteins. <i>Journal of Endodontics</i> , 1998, 24, 641-644.	3.1	12
85	A three-parameter logistic model to characterize ovarian tissue using polarization-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2013, 4, 772.	2.9	12
86	Quantitative multispectral ex vivo optical evaluation of human ovarian tissue using spatial frequency domain imaging. <i>Biomedical Optics Express</i> , 2018, 9, 2451.	2.9	12
87	Estimation and imaging of breast lesions using a two-layer tissue structure by ultrasound-guided optical tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 066002.	2.6	11
88	Histogram analysis of en face scattering coefficient map predicts malignancy in human ovarian tissue. <i>Journal of Biophotonics</i> , 2019, 12, e201900115.	2.3	11
89	Breast tumor characterization via complex natural resonances. , 0, , .		10
90	Fast, limited-data photoacoustic imaging for multiplexed systems using a frequency-domain estimation technique. <i>Medical Physics</i> , 2011, 38, 1503-1518.	3.0	10

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91	Tuning to optimize SVM approach for assisting ovarian cancer diagnosis with photoacoustic imaging. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S975-S981.	0.6	10
92	Improving DOT reconstruction with a Born iterative method and US-guided sparse regularization. <i>Biomedical Optics Express</i> , 2019, 10, 2528.	2.9	10
93	Adaptive Boosting (AdaBoost)-based multiwavelength spatial frequency domain imaging and characterization for ex vivo human colorectal tissue assessment. <i>Journal of Biophotonics</i> , 2020, 13, e201960241.	2.3	9
94	Ultrasound segmentation-guided edge artifact reduction in diffuse optical tomography using connected component analysis. <i>Biomedical Optics Express</i> , 2021, 12, 5320.	2.9	9
95	Diffuse optical tomography using semiautomated coregistered ultrasound measurements. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	9
96	Deep learning-based method to accurately estimate breast tissue optical properties in the presence of the chest wall. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	9
97	Human colorectal cancer tissue assessment using optical coherence tomography catheter and deep learning. <i>Journal of Biophotonics</i> , 2022, 15, e202100349.	2.3	9
98	Power-efficient grating-based scanning optical delay line: time-domain configuration. <i>Electronics Letters</i> , 2004, 40, 97.	1.0	8
99	Optical tomography method that accounts for tilted chest wall in breast imaging. <i>Journal of Biomedical Optics</i> , 2010, 15, 041515.	2.6	8
100	Light shadowing effect of large breast lesions imaged by optical tomography in reflection geometry. <i>Journal of Biomedical Optics</i> , 2010, 15, 036003.	2.6	8
101	Artifact reduction method in ultrasound-guided diffuse optical tomography using exogenous contrast agents. <i>Journal of Biomedical Optics</i> , 2011, 16, 046015.	2.6	8
102	Synthesis of a 4-nitroimidazole indocyanine dye-conjugate and imaging of tumor hypoxia in BALB/c tumor-bearing female mice. <i>Dyes and Pigments</i> , 2016, 126, 251-260.	3.7	8
103	Diagnosing colorectal abnormalities using scattering coefficient maps acquired from optical coherence tomography. <i>Journal of Biophotonics</i> , 2021, 14, e202000276.	2.3	8
104	Photoacoustic tomography reconstruction using lag-based delay multiply and sum with a coherence factor improves in vivo ovarian cancer diagnosis. <i>Biomedical Optics Express</i> , 2021, 12, 2250.	2.9	8
105	Early Assessment Window for Predicting Breast Cancer Neoadjuvant Therapy using Biomarkers, Ultrasound, and Diffuse Optical Tomography. <i>Breast Cancer Research and Treatment</i> , 2021, 188, 615-630.	2.5	8
106	Special Section Guest Editorial: Photoacoustic Imaging and Sensing. <i>Journal of Biomedical Optics</i> , 2017, 22, 041001.	2.6	7
107	Improving breast cancer diagnosis by reducing chest wall effect in diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 036004.	2.6	7
108	Label-free quantitative optical assessment of human colon tissue using spatial frequency domain imaging. <i>Techniques in Coloproctology</i> , 2018, 22, 617-621.	1.8	7

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109	Target depth-regularized reconstruction in diffuse optical tomography using ultrasound segmentation as prior information. <i>Biomedical Optics Express</i> , 2020, 11, 3331.	2.9	6
110	Fiber endface illumination diffuser for endo-cavity photoacoustic imaging. <i>Optics Letters</i> , 2020, 45, 632.	3.3	6
111	An Automated Preprocessing Method for Diffuse Optical Tomography to Improve Breast Cancer Diagnosis. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381880279.	1.9	5
112	Prospective assessment of adjunctive ultrasound-guided diffuse optical tomography in women undergoing breast biopsy: Impact on BI-RADS assessments. <i>European Journal of Radiology</i> , 2021, 145, 110029.	2.6	5
113	Combined ultrasound and near infrared diffusive light imaging. , 0, , .		4
114	Light-emitting diode-based multiwavelength diffuse optical tomography system guided by ultrasound. <i>Journal of Biomedical Optics</i> , 2014, 19, 126003.	2.6	4
115	A review of co-registered transvaginal photoacoustic and ultrasound imaging for ovarian cancer diagnosis. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100381.	3.4	4
116	The role of integrin $\alpha 21$ in human dental pulp cell adhesion on laminin and fibronectin. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1998, 85, 314-318.	1.4	3
117	The design of a 1.75-D 1280-channel ultrasound imaging system. , 0, , .		3
118	Photoacoustic laser effects in live mouse blastocysts: pilot safety studies of DNA damage from photoacoustic imaging doses. <i>F&amp;S Science</i> , 2020, 1, 53-58.	0.9	3
119	Effect and correction of optode coupling errors in breast imaging using diffuse optical tomography. <i>Biomedical Optics Express</i> , 2021, 12, 689.	2.9	3
120	Co-Registered Ultrasound and Photoacoustic Probe with a Miniaturized Light Illumination Scheme for in vivo Ovarian Cancer Imaging. , 2014, , .		3
121	Low-cost ultrasound and optical gelatin-based phantoms. , 2019, , .		3
122	Elevation beamforming performance of a 1.75 D array. , 0, , .		2
123	Coherent artifacts in optical coherence tomography: observation and cancellation. , 0, , .		2
124	A Novel Electronic Architecture Used to Support Biomedical Photo-Acoustic Imaging. , 0, , .		2
125	Time-gating scheme based on a photodiode for single-photon counting. <i>Optics Letters</i> , 2011, 36, 2501.	3.3	2
126	Fiber endface photoacoustic generator for quantitative photoacoustic tomography. <i>Optics Letters</i> , 2021, 46, 2706.	3.3	2



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127	Rectal Cancer Treatment Management: Deep-Learning Neural Network Based on Photoacoustic Microscopy Image Outperforms Histogram-Feature-Based Classification. <i>Frontiers in Oncology</i> , 2021, 11, 715332.	2.8	2
128	Treatment of Male Breast Cancer by Dual Human Epidermal Growth Factor Receptor 2 (HER2) Blockade and Response Prediction Using Novel Optical Tomography Imaging: A Case Report. <i>Cureus</i> , 2017, 9, e1481.	0.5	2
129	Clustered targets imaged by optical tomography guided by ultrasound. <i>Journal of Biomedical Optics</i> , 2011, 16, 076018.	2.6	1
130	Development of a simultaneous PET/Ultrasound imaging system with near real-time reconstruction capability for point-of-care applications. , 2017, , .		1
131	Treasure hunt for peptides with undefined chemical modifications: Proteomics identification of differential albumin adducts of 2- $\epsilon$ -nitroimidazole- $\epsilon$ -indocyanine green in hypoxic tumor. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4376.	1.6	1
132	A multi spectral hand-held spatial frequency domain imaging system for imaging human colorectal cancer. , 2019, , .		1
133	Real-time colorectal cancer diagnosis using PR-OCT with deep learning. , 2020, , .		1
134	Auto encoder based deep learning reconstruction for diffuse optical tomography. , 2022, , .		1
135	Near Infrared Diffusive Light Imaging with Ultrasound Localization. <i>Optics and Photonics News</i> , 2001, 12, 31.	0.5	0
136	Novel image reconstruction algorithm for NIR diffusive tomography. , 0, , .		0
137	Beamforming scheme and parameter tradeoff in a 1.75 D ultrasound array design. , 0, , .		0
138	Preliminary experiment results of a 1.75D ultrasound array. , 0, , .		0
139	Imaging of fluid flow velocity using Doppler optical coherence tomography: preliminary results. , 0, , .		0
140	Optical Doppler coherence tomography algorithms: quantitative analysis. , 0, , .		0
141	2-D NIR imaging reconstruction with ultrasound guidance. , 0, , .		0
142	Engineering a Health Level Seven Standard Interface and Wireless Infrastructure to Improve the Efficiency of Electrocardiogram Analysis at Hartford Hospital. <i>Journal of Clinical Engineering</i> , 2010, 35, 95-97.	0.1	0
143	Co-registered ultrasound Doppler with ultrasound and photoacoustic imaging to improve delineation of ovarian lesion for photoacoustic imaging. , 2019, , .		0
144	Co-registered photoacoustic and ultrasound real-time imaging of colorectal cancer: ex-vivo studies. , 2019, , .		0

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145	Optimizing light delivery through ball-shaped multimode fiber tips in co-registered photoacoustic and ultrasound endo-cavity imaging: simulation and experimental validation. , 2019, , .		0
146	Ultrasound and acoustic resolution photoacoustic microscopy: a novel modality for surveilling human rectal cancer after therapy. , 2019, , .		0
147	AdaBoost-based multi-wavelength spatial frequency domain imaging for human colorectal tissue assessment. , 2020, , .		0
148	Dual-modality Photoacoustic and Ultrasound Imaging for Assessing Treatment Response in Colorectal Cancer: a pilot study. , 2020, , .		0
149	Effect of Breast Contour and Optode Coupling Error on Ultrasound-guided Diffuse Optical Tomography. , 2020, , .		0
150	Prospective Assessment of Adjunctive Ultrasound-Guided Diffuse Optical Tomography in Women Undergoing Breast Biopsy: Impact on BI-RADS Assessments. , 2022, , .		0
151	Difference Imaging From Single Measurements in Diffuse Optical Tomography: A Deep Learning Approach. , 2022, , .		0