

Manojit Pramanik

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163
papers

4,942
citations

37
h-index

67
g-index

205
ext. papers

5,986
ext. citations

5
avg, IF

6.41
L-index

#	Paper	IF	Citations
163	Photoacoustic imaging aided with deep learning: a review.. <i>Biomedical Engineering Letters</i> , 2022 , 12, 1553-1573	3.5	3
162	Accuracy of peak-power compensation in fiber-guided and free-space acoustic-resolution photoacoustic microscopy.. <i>Biomedical Optics Express</i> , 2022 , 13, 1774-1783	3.5	
161	Multi-angle data acquisition to compensate transducer finite size in photoacoustic tomography. <i>Photoacoustics</i> , 2022 , 100373	9	1
160	Hybrid Carbon Dot Assembly as a Reactive Oxygen Species Nanogenerator for Ultrasound-Assisted Tumor Ablation.. <i>Jacs Au</i> , 2021 , 1, 2328-2338		2
159	Sounding out the hidden data: A concise review of deep learning in photoacoustic imaging. <i>Experimental Biology and Medicine</i> , 2021 , 246, 1355-1367	3.7	3
158	Axial accuracy and signal enhancement in acoustic-resolution photoacoustic microscopy by laser jitter effect correction and pulse energy compensation. <i>Biomedical Optics Express</i> , 2021 , 12, 1834-1845	3.5	2
157	Multi-cavity PLGA particles as a theranostic agent. <i>Journal of the Acoustical Society of America</i> , 2021 , 149, A118-A118	2.2	
156	Ultrasonic Implantation and Imaging of Sound-Sensitive Theranostic Agents for the Treatment of Arterial Inflammation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24422-24430	9.5	3
155	Nanotechnology Facilitated Cultured Neuronal Network and Its Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
154	Investigating the Acoustic Response and Contrast Enhancement of Drug-Loadable PLGA Microparticles with Various Shapes and Morphologies. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 1844-1856	3.5	1
153	Non-local means improves total-variation constrained photoacoustic image reconstruction. <i>Journal of Biophotonics</i> , 2021 , 14, e202000191	3.1	4
152	Label-free high frame rate imaging of circulating blood clots using a dual modal ultrasound and photoacoustic system. <i>Journal of Biophotonics</i> , 2021 , 14, e202000371	3.1	4
151	Dimensionality reduced plug and play priors for improving photoacoustic tomographic imaging with limited noisy data. <i>Biomedical Optics Express</i> , 2021 , 12, 1320-1338	3.5	1
150	Binary photoacoustic tomography for improved vasculature imaging. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	6
149	An optical coherence photoacoustic microscopy system using a fiber optic sensor. <i>APL Photonics</i> , 2021 , 6, 096103	5.2	2
148	Deep-learning-based multi-transducer photoacoustic tomography imaging without radius calibration. <i>Optics Letters</i> , 2021 , 46, 4510-4513	3	2
147	In vivo detection of venous sinus distension due to intracranial hypotension in small animal using pulsed-laser-diode photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020 , 13, e201960162	3.1	13

146	Deep Neural Network-Based Sinogram Super-Resolution and Bandwidth Enhancement for Limited-Data Photoacoustic Tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 2660-2673	3.2	32
145	Recent advances in photoacoustic contrast agents for in vivo imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1618	9.2	48
144	Deep learning approach to improve tangential resolution in photoacoustic tomography. <i>Biomedical Optics Express</i> , 2020 , 11, 7311-7323	3.5	11
143	Convolutional neural network for resolution enhancement and noise reduction in acoustic resolution photoacoustic microscopy. <i>Biomedical Optics Express</i> , 2020 , 11, 6826-6839	3.5	22
142	Real-time monitoring of temperature using a pulsed laser-diode-based photoacoustic system. <i>Optics Letters</i> , 2020 , 45, 718-721	3	7
141	Photo-acoustic tomographic image reconstruction from reduced data using physically inspired regularization. <i>Journal of Instrumentation</i> , 2020 , 15, P12028-P12028	1	1
140	Eigenspace-based minimum variance beamformer combined with sign coherence factor: Application to linear-array photoacoustic imaging. <i>Ultrasonics</i> , 2020 , 108, 106174	3.5	7
139	High resolution, label-free photoacoustic imaging of live chicken embryo developing in bioengineered eggshell. <i>Journal of Biophotonics</i> , 2020 , 13, e201960108	3.1	3
138	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. <i>Nature Communications</i> , 2020 , 11, 1857	17.4	199
137	Another decade of photoacoustic imaging. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	20
136	Metabolizable Semiconducting Polymer Nanoparticles for Second Near-Infrared Photoacoustic Imaging. <i>Advanced Materials</i> , 2019 , 31, e1808166	24	226
135	Redox-Activatable and Acid-Enhanced Nanotheranostics for Second Near-Infrared Photoacoustic Tomography and Combined Photothermal Tumor Therapy. <i>ACS Nano</i> , 2019 , 13, 5816-5825	16.7	108
134	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. <i>Ultrasonics</i> , 2019 , 96, 55-63	3.5	4
133	A Comparative Study of Continuous Versus Stop-and-Go Scanning in Circular Scanning Photoacoustic Tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-9	3.8	12
132	Eigenspace-Based Minimum Variance Combined With Delay Multiply and Sum Beamformer: Application to Linear-Array Photoacoustic Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-8	3.8	20
131	Modeling Errors Compensation With Total Least Squares for Limited Data Photoacoustic Tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-14	3.8	12
130	Enhanced contrast acoustic-resolution photoacoustic microscopy using double-stage delay-multiply-and-sum beamformer for vasculature imaging. <i>Journal of Biophotonics</i> , 2019 , 12, e201900133	3.1	13
129	Combined ultrasound and photoacoustic imaging of blood clot during microbubble-assisted sonothrombolysis. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-8	3.5	7

128	Photoacoustic imaging depth comparison at 532-, 800-, and 1064-nm wavelengths: Monte Carlo simulation and experimental validation. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1	3.5	7
127	Photoacoustic imaging in the second near-infrared window: a review. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-20	3.5	77
126	Pulsed laser diode based photoacoustic tomography system using multiple acoustic reflector based single element ultrasound transducers 2019 ,		1
125	Genetic algorithm for feedback-based wavefront shaping in optical imaging 2019 ,		1
124	PA-Fuse: deep supervised approach for the fusion of photoacoustic images with distinct reconstruction characteristics. <i>Biomedical Optics Express</i> , 2019 , 10, 2227-2243	3.5	14
123	Impact of sensor apodization on the tangential resolution in photoacoustic tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, 245-252	1.8	11
122	High-speed, low-cost, pulsed-laser-diode-based second-generation desktop photoacoustic tomography system. <i>Optics Letters</i> , 2019 , 44, 81-84	3	27
121	A robust modified delay-and-sum algorithm for photoacoustic tomography imaging with apodized sensors 2019 ,		1
120	Wiener filtering for deblurring of reconstructed images in photoacoustic tomography with finite size apodized transducers 2019 ,		1
119	High-Resolution Optical Coherence Tomography (OCT) for Skin Imaging 2019 , 371-409		
118	Microneedles for Transdermal Drug Delivery 2019 , 223-270		2
117	Skin Structure and Biology 2019 , 1-14		2
116	Common Skin Diseases 2019 , 61-81		
115	Skin Tissue Engineering with Nanostructured Materials 2019 , 147-168		1
114	Needle-Free Jet Injectors for Dermal and Transdermal Delivery of Actives 2019 , 201-222		
113	Ultrasound-Enhanced Transdermal Drug Delivery 2019 , 271-289		1
112	Iontophoresis Enhanced Transdermal Drug Delivery 2019 , 291-307		0
111	Ultrasound Imaging in Dermatology 2019 , 309-339		

110 Quantitative Magnetic Resonance Imaging of the Skin **2019**, 341-369

109 Photoacoustic Imaging of Skin **2019**, 411-442

4

108 Laser Speckle Techniques for Flow Monitoring in Skin **2019**, 443-464

107 Wound Healing and Its Imaging **2019**, 15-34

106 Common Skin Diseases **2019**, 35-59

105 Common Skin Diseases **2019**, 83-103

1

104 Preclinical Models for Drug Screening and Target Validation **2019**, 105-146

103 Topical and Transdermal Delivery with Chemical Enhancers and Nanoparticles **2019**, 169-200

0

102 pH-sensitive and biodegradable charge-transfer nanocomplex for second near-infrared photoacoustic tumor imaging. *Nano Research*, **2019**, 12, 49-55

10 53

101 Fractional Regularization to Improve Photoacoustic Tomographic Image Reconstruction. *IEEE Transactions on Medical Imaging*, **2019**, 38, 1935-1947

11.7 16

100 Validation of delay-multiply-and-standard-deviation weighting factor for improved photoacoustic imaging of sentinel lymph node. *Journal of Biophotonics*, **2019**, 12, e201800292

3.1 5

99 1064 nm acoustic resolution photoacoustic microscopy. *Journal of Biophotonics*, **2019**, 12, e201800357

3.1 20

98 Super-resolution Photoacoustic Microscopy Using Near-Field Localization by a Plasmonic Metal Nanoaperture: A Simulation Study. *IEEE Journal of Selected Topics in Quantum Electronics*, **2019**, 25, 1-7

3.8 9

97 Fast photoacoustic imaging systems using pulsed laser diodes: a review. *Biomedical Engineering Letters*, **2018**, 8, 167-181

3.6 42

96 Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. *ACS Nano*, **2018**, 12, 2643-2651

16.7 209

95 Hand-held, clinical dual mode ultrasound - photoacoustic imaging of rat urinary bladder and its applications. *Journal of Biophotonics*, **2018**, 11, e201700317

3.1 24

94 Calibrating reconstruction radius in a multi single-element ultrasound-transducer-based photoacoustic computed tomography system. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2018**, 35, 764-771

1.8 9

93 On-chip generation of microbubbles in photoacoustic contrast agents for dual modal ultrasound/photoacoustic in vivo animal imaging. *Scientific Reports*, **2018**, 8, 6401

4.9 27

92	Accelerated image reconstruction using extrapolated Tikhonov filtering for photoacoustic tomography. <i>Medical Physics</i> , 2018 , 45, 3749	4.4	9
91	Efficient nonlinear beamformer based on PWh root of detected signals for linear-array photoacoustic tomography: application to sentinel lymph node imaging. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-12	3.5	8
90	Vector extrapolation methods for accelerating iterative reconstruction methods in limited-data photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1	3.5	2
89	Vector extrapolation methods for accelerating iterative reconstruction methods in limited-data photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-11	3.5	9
88	Image-guided filtering for improving photoacoustic tomographic image reconstruction. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-22	3.5	18
87	Contrast-enhanced photoacoustic imaging in the second near-infrared window using semiconducting polymer nanoparticles. <i>Journal of Biomedical Optics</i> , 2018 , 24, 1-7	3.5	17
86	Photoacoustic imaging of teeth for dentine imaging and enamel characterization 2018 ,		3
85	Microfluidics-based microbubbles in methylene blue solution for photoacoustic and ultrasound imaging 2018 ,		1
84	Photoacoustic imaging of lamina cribrosa microcapillaries in porcine eyes. <i>Applied Optics</i> , 2018 , 57, 4865-4871	4.7	15
83	High resolution and deep tissue imaging using a near infrared acoustic resolution photoacoustic microscopy 2018 ,		1
82	Phase shifting white light interferometry using colour CCD for optical metrology and bio-imaging applications 2018 ,		1
81	Raman Monte Carlo simulation for light propagation for tissue with embedded objects 2018 ,		2
80	Spatially variant regularization based on model resolution and fidelity embedding characteristics improves photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-4	3.5	3
79	Non-invasive sentinel lymph node mapping and needle guidance using clinical handheld photoacoustic imaging system in small animal. <i>Journal of Biophotonics</i> , 2018 , 11, e201700061	3.1	41
78	Carbazole-Linked Near-Infrared Aza-BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , 2017 , 23, 6570-6578	4.8	64
77	Compact holographic optical element-based electronic speckle pattern interferometer for rotation and vibration measurements 2017 ,		1
76	Photonic nanojet engineering to achieve super-resolution in photoacoustic microscopy: a simulation study 2017 ,		2
75	Optimising probe holder design for sentinel lymph node imaging using clinical photoacoustic system with Monte Carlo simulation 2017 ,		1

74	Nanoprobes: Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite (Adv. Mater. 6/2017). <i>Advanced Materials</i> , 2017 , 29,	24	4
73	Use of acoustic reflector to make a compact photoacoustic tomography system. <i>Journal of Biomedical Optics</i> , 2017 , 22, 26009	3.5	6
72	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. <i>Advanced Materials</i> , 2017 , 29, 1604764	24	194
71	Microsphere-aided optical microscopy and its applications for super-resolution imaging. <i>Optics Communications</i> , 2017 , 404, 32-41	2	23
70	Light-driven liquid metal nanotransformers for biomedical theranostics. <i>Nature Communications</i> , 2017 , 8, 15432	17.4	214
69	Modified delay-and-sum reconstruction algorithm to improve tangential resolution in photoacoustic tomography 2017 ,		2
68	Pulsed laser diode photoacoustic tomography (PLD-PAT) system for fast in vivo imaging of small animal brain 2017 ,		2
67	Self-quenched semiconducting polymer nanoparticles for amplified in vivo photoacoustic imaging. <i>Biomaterials</i> , 2017 , 119, 1-8	15.6	136
66	Hand-held Clinical Photoacoustic Imaging System for Real-time Non-invasive Small Animal Imaging. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
65	Review on Heart-Rate Estimation from Photoplethysmography and Accelerometer Signals During Physical Exercise. <i>Journal of the Indian Institute of Science</i> , 2017 , 97, 313-324	2.4	5
64	Amphiphilic semiconducting polymer as multifunctional nanocarrier for fluorescence/photoacoustic imaging guided chemo-photothermal therapy. <i>Biomaterials</i> , 2017 , 145, 168-177	15.6	135
63	Switchable Acoustic and Optical Resolution Photoacoustic Microscopy for In Vivo Small-animal Blood Vasculature Imaging. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
62	A High-performance Compact Photoacoustic Tomography System for In Vivo Small-animal Brain Imaging. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	8
61	Broadband Absorbing Semiconducting Polymer Nanoparticles for Photoacoustic Imaging in Second Near-Infrared Window. <i>Nano Letters</i> , 2017 , 17, 4964-4969	11.5	289
60	Advances in Monte Carlo Simulation for Light Propagation in Tissue. <i>IEEE Reviews in Biomedical Engineering</i> , 2017 , 10, 122-135	6.4	39
59	Application of phase shifting electronic speckle pattern interferometry in studies of photoinduced shrinkage of photopolymer layers. <i>Optics Express</i> , 2017 , 25, 9647-9653	3.3	6
58	studies of transdermal nanoparticle delivery with microneedles using photoacoustic microscopy. <i>Biomedical Optics Express</i> , 2017 , 8, 5483-5492	3.5	28
57	Performance Characterization of a Switchable Acoustic Resolution and Optical Resolution Photoacoustic Microscopy System. <i>Sensors</i> , 2017 , 17,	3.8	36

56	Deep neural network-based bandwidth enhancement of photoacoustic data. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-7	3.5	35
55	Dynamic in vivo imaging of small animal brain using pulsed laser diode-based photoacoustic tomography system. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-4	3.5	42
54	Combined optical and acoustic resolution photoacoustic microscopy 2017 ,		1
53	Recent advances toward preclinical and clinical translation of photoacoustic tomography: a review. <i>Journal of Biomedical Optics</i> , 2017 , 22, 41006	3.5	125
52	Near-infrared light-responsive liposomal contrast agent for photoacoustic imaging and drug release applications. <i>Journal of Biomedical Optics</i> , 2017 , 22, 41007	3.5	22
51	Optimizing light delivery through fiber bundle in photoacoustic imaging with clinical ultrasound system: Monte Carlo simulation and experimental validation. <i>Journal of Biomedical Optics</i> , 2017 , 22, 41008	3.5	40
50	Microsphere enabled subdiffraction-limited optical-resolution photoacoustic microscopy: a simulation study. <i>Journal of Biomedical Optics</i> , 2017 , 22, 45001	3.5	16
49	High frame rate photoacoustic imaging at 7000 frames per second using clinical ultrasound system. <i>Biomedical Optics Express</i> , 2016 , 7, 312-23	3.5	58
48	Experimental validation of tangential resolution improvement in photoacoustic tomography using modified delay-and-sum reconstruction algorithm. <i>Journal of Biomedical Optics</i> , 2016 , 21, 86011	3.5	41
47	Multi-colour microscopic interferometry for optical metrology and imaging applications. <i>Optics and Lasers in Engineering</i> , 2016 , 84, 10-25	4.6	17
46	High-speed pre-clinical brain imaging using pulsed laser diode based photoacoustic tomography (PLD-PAT) system 2016 ,		3
45	A dual-functional benzobisthiadiazole derivative as an effective theranostic agent for near-infrared photoacoustic imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1696-1703	7.3	54
44	A dual function theranostic agent for near-infrared photoacoustic imaging and photothermal therapy 2016 ,		3
43	Simulating photoacoustic waves from individual nanoparticle of various shapes using k-Wave. <i>Biomedical Physics and Engineering Express</i> , 2016 , 2, 035013	1.5	4
42	In situ synthesis of gold nanostars within liposomes for controlled drug release and photoacoustic imaging. <i>Science China Materials</i> , 2016 , 59, 892-900	7.1	16
41	Near-infrared light-sensitive liposomes for enhanced plasmid DNA transfection. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 357-364	14.8	19
40	Importance sampling-based Monte Carlo simulation of time-domain optical coherence tomography with embedded objects. <i>Applied Optics</i> , 2016 , 55, 2921-9	0.2	9
39	Two-wavelength microscopic speckle interferometry using colour CCD camera 2015 ,		2

38	Deep imaging with low-cost photoacoustic tomography system with pulsed diode laser 2015 ,		1
37	Pulsed laser diode based optoacoustic imaging of biological tissues. <i>Biomedical Physics and Engineering Express</i> , 2015 , 1, 045010	1.5	31
36	Performance characterization of low-cost, high-speed, portable pulsed laser diode photoacoustic tomography (PLD-PAT) system. <i>Biomedical Optics Express</i> , 2015 , 6, 4118-29	3.5	86
35	Experimentally validated Raman Monte Carlo simulation for a cuboid object to obtain Raman spectroscopic signatures for hidden material. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 669-676	2.3	14
34	Recent developments in vascular imaging techniques in tissue engineering and regenerative medicine. <i>BioMed Research International</i> , 2015 , 2015, 783983	3	55
33	Looking deeper: multimodal and contrast-enhanced photoacoustic imaging offer a clearer view within tissues for more accurate diagnosis. <i>IEEE Pulse</i> , 2015 , 6, 38-41	0.7	7
32	White light interferometer with color CCD for 3D-surface profiling of microsystems 2015 ,		1
31	Monte Carlo simulation of light transport in turbid medium with embedded object--spherical, cylindrical, ellipsoidal, or cuboidal objects embedded within multilayered tissues. <i>Journal of Biomedical Optics</i> , 2014 , 19, 045003	3.5	26
30	Improving tangential resolution with a modified delay-and-sum reconstruction algorithm in photoacoustic and thermoacoustic tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 621-7	1.8	44
29	Basis pursuit deconvolution for improving model-based reconstructed images in photoacoustic tomography. <i>Biomedical Optics Express</i> , 2014 , 5, 1363-77	3.5	52
28	Measurement of large discontinuities using single white light interferogram. <i>Optics Express</i> , 2014 , 22, 27373-80	3.3	21
27	Use of two wavelengths in microscopic TV holography for nondestructive testing. <i>Optical Engineering</i> , 2014 , 53, 110501	1.1	3
26	Super-resolution photoacoustic microscopy using photonic nanojets: a simulation study. <i>Journal of Biomedical Optics</i> , 2014 , 19, 116003	3.5	29
25	Enhancing reproducibility of ultrasonic measurements by new users 2013 ,		5
24	Deconvolution-based deblurring of reconstructed images in photoacoustic/thermoacoustic tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 1994-2001	1.8	30
23	Least squares QR-based decomposition provides an efficient way of computing optimal regularization parameter in photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2013 , 18, 80501	3.5	44
22	Monte Carlo simulation of light transport in tissue for optimizing light delivery in photoacoustic imaging of the sentinel lymph node. <i>Journal of Biomedical Optics</i> , 2013 , 18, 106008	3.5	23
21	Photoacoustic and thermoacoustic signal characteristics study 2013 ,		1

20	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 378-88	3.2	43
19	Photoacoustic tomography of foreign bodies in soft biological tissue. <i>Journal of Biomedical Optics</i> , 2011 , 16, 046017	3.5	29
18	Molecular photoacoustic imaging of angiogenesis with integrin-targeted gold nanobeacons. <i>FASEB Journal</i> , 2011 , 25, 875-82	0.9	138
17	Sentinel lymph nodes in the rat: noninvasive photoacoustic and US imaging with a clinical US system. <i>Radiology</i> , 2010 , 256, 102-10	20.5	185
16	Photoacoustic tomography of foreign bodies in soft biological tissue 2010 ,		1
15	Tissue temperature monitoring using thermoacoustic and photoacoustic techniques 2010 ,		6
14	A facile synthesis of novel self-assembled gold nanorods designed for near-infrared imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8118-23	1.3	32
13	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. <i>Biomaterials</i> , 2010 , 31, 4088-93	15.6	140
12	Novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography using carbon nanotubes (CNTs) as a dual contrast agent 2009 ,		2
11	In vivo photoacoustic (PA) mapping of sentinel lymph nodes (SLNs) using carbon nanotubes (CNTs) as a contrast agent 2009 ,		2
10	In vivo carbon nanotube-enhanced non-invasive photoacoustic mapping of the sentinel lymph node. <i>Physics in Medicine and Biology</i> , 2009 , 54, 3291-301	3.8	102
9	Thermoacoustic and photoacoustic sensing of temperature. <i>Journal of Biomedical Optics</i> , 2009 , 14, 054024	3.5	149
8	Tangential resolution improvement in thermoacoustic and photoacoustic tomography using a negative acoustic lens. <i>Journal of Biomedical Optics</i> , 2009 , 14, 024028	3.5	38
7	Single-walled carbon nanotubes as a multimodal-thermoacoustic and photoacoustic-contrast agent. <i>Journal of Biomedical Optics</i> , 2009 , 14, 034018	3.5	123
6	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. <i>Angewandte Chemie</i> , 2009 , 121, 4234-4237	3.6	127
5	Molecular photoacoustic tomography with colloidal nanobeacons. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4170-3	16.4	80
4	Design and evaluation of a novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography. <i>Medical Physics</i> , 2008 , 35, 2218-23	4.4	131
3	Image distortion in thermoacoustic tomography caused by microwave diffraction. <i>Physical Review E</i> , 2008 , 77, 031923	2.4	30

- 2 RF diffraction effect in RF-induced thermoacoustic tomography: calibration and distortion **2008**, 1
- 1 Experimental investigation of perturbation Monte-Carlo based derivative estimation for imaging low-scattering tissue. *Optics Express*, **2005**, 13, 985-97 33 11