Manojit Pramanik

List of Publications by Year
in descending order

182 papers	6,743 citations	61857 43 h-index	64668 79 g-index
205 all docs	205 docs citations	205 times ranked	5774 citing authors

#	Article	IF	Citations
1	Broadband Absorbing Semiconducting Polymer Nanoparticles for Photoacoustic Imaging in Second Near-Infrared Window. Nano Letters, 2017, 17, 4964-4969.	4.5	356
2	Light-driven liquid metal nanotransformers for biomedical theranostics. Nature Communications, 2017, 8, 15432.	5.8	327
3	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. ACS Nano, 2018, 12, 2643-2651.	7.3	294
4	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. Nature Communications, 2020, 11, 1857.	5.8	294
5	Metabolizable Semiconducting Polymer Nanoparticles for Second Nearâ€Infrared Photoacoustic Imaging. Advanced Materials, 2019, 31, e1808166.	11.1	288
6	Sentinel Lymph Nodes in the Rat: Noninvasive Photoacoustic and US Imaging with a Clinical US System. Radiology, 2010, 256, 102-110.	3.6	225
7	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. Advanced Materials, 2017, 29, 1604764.	11.1	220
8	Thermoacoustic and photoacoustic sensing of temperature. Journal of Biomedical Optics, 2009, 14, 054024.	1.4	199
9	Design and evaluation of a novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography. Medical Physics, 2008, 35, 2218-2223.	1.6	167
10	Recent advances toward preclinical and clinical translation of photoacoustic tomography: a review. Journal of Biomedical Optics, 2016, 22, 041006.	1.4	163
11	Molecular photoacoustic imaging of angiogenesis with integrinâ€targeted gold nanobeacons. FASEB Journal, 2011, 25, 875-882.	0.2	160
12	Amphiphilic semiconducting polymer as multifunctional nanocarrier for fluorescence/photoacoustic imaging guided chemo-photothermal therapy. Biomaterials, 2017, 145, 168-177.	5.7	155
13	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. Biomaterials, 2010, 31, 4088-4093.	5.7	154
14	Redox-Activatable and Acid-Enhanced Nanotheranostics for Second Near-Infrared Photoacoustic Tomography and Combined Photothermal Tumor Therapy. ACS Nano, 2019, 13, 5816-5825.	7.3	154
15	Single-walled carbon nanotubes as a multimodal-thermoacoustic and photoacoustic-contrast agent. Journal of Biomedical Optics, 2009, 14, 034018.	1.4	151
16	Self-quenched semiconducting polymer nanoparticles for amplified inÂvivo photoacoustic imaging. Biomaterials, 2017, 119, 1-8.	5.7	151
17	Photoacoustic imaging in the second near-infrared window: a review. Journal of Biomedical Optics, 2019, 24, 1.	1.4	122
18	In vivocarbon nanotube-enhanced non-invasive photoacoustic mapping of the sentinel lymph node. Physics in Medicine and Biology, 2009, 54, 3291-3301.	1.6	120

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19	Performance characterization of low-cost, high-speed, portable pulsed laser diode photoacoustic tomography (PLD-PAT) system. Biomedical Optics Express, 2015, 6, 4118.	1.5	108
20	Recent advances in photoacoustic contrast agents for in vivo imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1618.	3.3	101
21	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. Angewandte Chemie - International Edition, 2009, 48, 4170-4173.	7.2	92
22	Carbazoleâ€Linked Nearâ€Infrared Azaâ€BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deepâ€Tissue Imaging. Chemistry - A European Journal, 2017, 23, 6570-6578.	1.7	83
23	Another decade of photoacoustic imaging. Physics in Medicine and Biology, 2021, 66, 05TR01.	1.6	77
24	Recent Developments in Vascular Imaging Techniques in Tissue Engineering and Regenerative Medicine. BioMed Research International, 2015, 2015, 1-9.	0.9	74
25	High frame rate photoacoustic imaging at 7000 frames per second using clinical ultrasound system. Biomedical Optics Express, 2016, 7, 312.	1.5	73
26	pH-sensitive and biodegradable charge-transfer nanocomplex for second near-infrared photoacoustic tumor imaging. Nano Research, 2019, 12, 49-55.	5.8	70
27	Basis pursuit deconvolution for improving model-based reconstructed images in photoacoustic tomography. Biomedical Optics Express, 2014, 5, 1363.	1.5	69
28	Improving tangential resolution with a modified delay-and-sum reconstruction algorithm in photoacoustic and thermoacoustic tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 621.	0.8	61
29	Fast photoacoustic imaging systems using pulsed laser diodes: a review. Biomedical Engineering Letters, 2018, 8, 167-181.	2.1	61
30	Advances in Monte Carlo Simulation for Light Propagation in Tissue. IEEE Reviews in Biomedical Engineering, 2017, 10, 122-135.	13.1	60
31	Deep Neural Network-Based Sinogram Super-Resolution and Bandwidth Enhancement for Limited-Data Photoacoustic Tomography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2660-2673.	1.7	60
32	A dual-functional benzobisthiadiazole derivative as an effective theranostic agent for near-infrared photoacoustic imaging and photothermal therapy. Journal of Materials Chemistry B, 2016, 4, 1696-1703.	2.9	59
33	Experimental validation of tangential resolution improvement in photoacoustic tomography using modified delay-and-sum reconstruction algorithm. Journal of Biomedical Optics, 2016, 21, 086011.	1.4	58
34	Dynamic in vivo imaging of small animal brain using pulsed laser diode-based photoacoustic tomography system. Journal of Biomedical Optics, 2017, 22, 1.	1.4	58
35	Deep neural network-based bandwidth enhancement of photoacoustic data. Journal of Biomedical Optics, 2017, 22, 1.	1.4	56
36	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 378-388.	0.4	55

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37	Least squares QR-based decomposition provides an efficient way of computing optimal regularization parameter in photoacoustic tomography. Journal of Biomedical Optics, 2013, 18, 080501.	1.4	53
38	Nonâ€invasive sentinel lymph node mapping and needle guidance using clinical handheld photoacoustic imaging system in small animal. Journal of Biophotonics, 2018, 11, e201700061.	1.1	53
39	Optimizing light delivery through fiber bundle in photoacoustic imaging with clinical ultrasound system: Monte Carlo simulation and experimental validation. Journal of Biomedical Optics, 2016, 22, 041008.	1.4	51
40	Performance Characterization of a Switchable Acoustic Resolution and Optical Resolution Photoacoustic Microscopy System. Sensors, 2017, 17, 357.	2.1	51
41	Tangential resolution improvement in thermoacoustic and photoacoustic tomography using a negative acoustic lens. Journal of Biomedical Optics, 2009, 14, 024028.	1.4	49
42	A Facile Synthesis of Novel Self-Assembled Gold Nanorods Designed for Near-Infrared Imaging. Journal of Nanoscience and Nanotechnology, 2010, 10, 8118-8123.	0.9	46
43	Convolutional neural network for resolution enhancement and noise reduction in acoustic resolution photoacoustic microscopy. Biomedical Optics Express, 2020, 11, 6826.	1.5	45
44	Image distortion in thermoacoustic tomography caused by microwave diffraction. Physical Review E, 2008, 77, 031923.	0.8	44
45	Pulsed laser diode based optoacoustic imaging of biological tissues. Biomedical Physics and Engineering Express, 2015, 1, 045010.	0.6	42
46	Microsphere-aided optical microscopy and its applications for super-resolution imaging. Optics Communications, 2017, 404, 32-41.	1.0	42
47	In vivo studies of transdermal nanoparticle delivery with microneedles using photoacoustic microscopy. Biomedical Optics Express, 2017, 8, 5483.	1.5	41
48	High-speed, low-cost, pulsed-laser-diode-based second-generation desktop photoacoustic tomography system. Optics Letters, 2019, 44, 81.	1.7	40
49	Deconvolution-based deblurring of reconstructed images in photoacoustic/thermoacoustic tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1994.	0.8	37
50	Monte Carlo simulation of light transport in turbid medium with embedded objectâ€"spherical, cylindrical, ellipsoidal, or cuboidal objects embedded within multilayered tissues. Journal of Biomedical Optics, 2014, 19, 045003.	1.4	37
51	Super-resolution photoacoustic microscopy using photonic nanojets: a simulation study. Journal of Biomedical Optics, 2014, 19, 116003.	1.4	35
52	On-chip generation of microbubbles in photoacoustic contrast agents for dual modal ultrasound/photoacoustic in vivo animal imaging. Scientific Reports, 2018, 8, 6401.	1.6	35
53	Photoacoustic tomography of foreign bodies in soft biological tissue. Journal of Biomedical Optics, 2011, 16, 046017.	1.4	34
54	Handâ€held, clinical dual mode ultrasound â€•photoacoustic imaging of rat urinary bladder and its applications. Journal of Biophotonics, 2018, 11, e201700317.	1.1	33

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55	Eigenspace-Based Minimum Variance Combined With Delay Multiply and Sum Beamformer: Application to Linear-Array Photoacoustic Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	1.9	33
56	Near-infrared light-responsive liposomal contrast agent for photoacoustic imaging and drug release applications. Journal of Biomedical Optics, 2016, 22, 041007.	1.4	31
57	1064 nm acoustic resolution photoacoustic microscopy. Journal of Biophotonics, 2019, 12, e201800357.	1.1	30
58	Measurement of large discontinuities using single white light interferogram. Optics Express, 2014, 22, 27373.	1.7	29
59	Monte Carlo simulation of light transport in tissue for optimizing light delivery in photoacoustic imaging of the sentinel lymph node. Journal of Biomedical Optics, 2013, 18, 106008.	1.4	27
60	Deep learning approach to improve tangential resolution in photoacoustic tomography. Biomedical Optics Express, 2020, 11, 7311.	1.5	25
61	Photoacoustic imaging aided with deep learning: a review. Biomedical Engineering Letters, 2022, 12, 155-173.	2.1	25
62	Multi-colour microscopic interferometry for optical metrology and imaging applications. Optics and Lasers in Engineering, 2016, 84, 10-25.	2.0	24
63	Fractional Regularization to Improve Photoacoustic Tomographic Image Reconstruction. IEEE Transactions on Medical Imaging, 2019, 38, 1935-1947.	5.4	24
64	Nearâ€infrared lightâ€sensitive liposomes for enhanced plasmid DNA transfection. Bioengineering and Translational Medicine, 2016, 1, 357-364.	3.9	23
65	Image-guided filtering for improving photoacoustic tomographic image reconstruction. Journal of Biomedical Optics, 2018, 23, 1.	1.4	23
66	Microsphere enabled subdiffraction-limited optical-resolution photoacoustic microscopy: a simulation study. Journal of Biomedical Optics, 2016, 22, 045001.	1.4	22
67	Enhanced contrast acousticâ€resolution photoacoustic microscopy using doubleâ€stage delayâ€multiplyâ€andâ€sum beamformer for vasculature imaging. Journal of Biophotonics, 2019, 12, e201900133.	1.1	22
68	In situ synthesis of gold nanostars within liposomes for controlled drug release and photoacoustic imaging. Science China Materials, 2016, 59, 892-900.	3.5	21
69	Photoacoustic imaging of lamina cribrosa microcapillaries in porcine eyes. Applied Optics, 2018, 57, 4865.	0.9	21
70	Contrast-enhanced photoacoustic imaging in the second near-infrared window using semiconducting polymer nanoparticles. Journal of Biomedical Optics, 2018, 24, 1.	1.4	20
71	Experimentally validated Raman Monte Carlo simulation for a cuboid object to obtain Raman spectroscopic signatures for hidden material. Journal of Raman Spectroscopy, 2015, 46, 669-676.	1.2	18
72	A Comparative Study of Continuous Versus Stop-and-Go Scanning in Circular Scanning Photoacoustic Tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	18

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73	Combined ultrasound and photoacoustic imaging of blood clot during microbubble-assisted sonothrombolysis. Journal of Biomedical Optics, 2019, 24, 1.	1.4	18
74	PA-Fuse: deep supervised approach for the fusion of photoacoustic images with distinct reconstruction characteristics. Biomedical Optics Express, 2019, 10, 2227.	1.5	18
75	Impact of sensor apodization on the tangential resolution in photoacoustic tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 245.	0.8	18
76	Importance sampling-based Monte Carlo simulation of time-domain optical coherence tomography with embedded objects. Applied Optics, 2016, 55, 2921.	2.1	17
77	In vivo detection of venous sinus distension due to intracranial hypotension in small animal using pulsedâ€laserâ€diode photoacoustic tomography. Journal of Biophotonics, 2020, 13, e201960162.	1.1	17
78	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.	1.9	16
79	Photoacoustic imaging depth comparison at 532-, 800-, and 1064-nm wavelengths: Monte Carlo simulation and experimental validation. Journal of Biomedical Optics, 2019, 24, 1.	1.4	16
80	Experimental investigation of perturbation Monte-Carlo based derivative estimation for imaging low-scattering tissue. Optics Express, 2005, 13, 985.	1.7	15
81	Accelerated image reconstruction using extrapolated Tikhonov filtering for photoacoustic tomography. Medical Physics, 2018, 45, 3749-3767.	1.6	15
82	Binary photoacoustic tomography for improved vasculature imaging. Journal of Biomedical Optics, 2021, 26, .	1.4	15
83	Modeling Errors Compensation With Total Least Squares for Limited Data Photoacoustic Tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14.	1.9	14
84	Real-time monitoring of temperature using a pulsed laser-diode-based photoacoustic system. Optics Letters, 2020, 45, 718.	1.7	14
85	Hybrid Carbon Dot Assembly as a Reactive Oxygen Species Nanogenerator for Ultrasound-Assisted Tumor Ablation. Jacs Au, 2021, 1, 2328-2338.	3.6	14
86	Labelâ€free high frame rate imaging of circulating blood clots using a dual modal ultrasound and photoacoustic system. Journal of Biophotonics, 2021, 14, e202000371.	1.1	13
87	An optical coherence photoacoustic microscopy system using a fiber optic sensor. APL Photonics, 2021, 6, .	3.0	13
88	Eigenspace-based minimum variance beamformer combined with sign coherence factor: Application to linear-array photoacoustic imaging. Ultrasonics, 2020, 108, 106174.	2.1	13
89	Use of acoustic reflector to make a compact photoacoustic tomography system. Journal of Biomedical Optics, 2017, 22, 026009.	1.4	12
90	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.	0.8	12

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91	Multi-angle data acquisition to compensate transducer finite size in photoacoustic tomography. Photoacoustics, 2022, 27, 100373.	4.4	12
92	Vector extrapolation methods for accelerating iterative reconstruction methods in limited-data photoacoustic tomography. Journal of Biomedical Optics, 2018, 23, 1.	1.4	11
93	A High-performance Compact Photoacoustic Tomography System for In Vivo Small-animal Brain Imaging. Journal of Visualized Experiments, 2017, , .	0.2	10
94	Nonâ€local means improves totalâ€variation constrained photoacoustic image reconstruction. Journal of Biophotonics, 2021, 14, e202000191.	1.1	10
95	Sounding out the hidden data: A concise review of deep learning in photoacoustic imaging. Experimental Biology and Medicine, 2021, 246, 1355-1367.	1.1	10
96	Efficient nonlinear beamformer based on Pâ€™th root of detected signals for linear-array photoacoustic tomography: application to sentinel lymph node imaging. Journal of Biomedical Optics, 2018, 23, 1.	1.4	10
97	Looking Deeper: Multimodal and contrast-enhanced photoacoustic imaging offer a clearer view within tissues for more accurate diagnosis. IEEE Pulse, 2015, 6, 38-41.	0.1	9
98	Simulating photoacoustic waves from individual nanoparticle of various shapes using k-Wave. Biomedical Physics and Engineering Express, 2016, 2, 035013.	0.6	9
99	Review on Heart-Rate Estimation from Photoplethysmography and Accelerometer Signals During Physical Exercise. Journal of the Indian Institute of Science, 2017, 97, 313-324.	0.9	9
100	Application of phase shifting electronic speckle pattern interferometry in studies of photoinduced shrinkage of photopolymer layers. Optics Express, 2017, 25, 9647.	1.7	9
101	Validation of delayâ€multiplyâ€andâ€standardâ€deviation weighting factor for improved photoacoustic imaging of sentinel lymph node. Journal of Biophotonics, 2019, 12, e201800292.	1.1	9
102	Deep-learning-based multi-transducer photoacoustic tomography imaging without radius calibration. Optics Letters, 2021, 46, 4510.	1.7	8
103	Tissue temperature monitoring using thermoacoustic and photoacoustic techniques. Proceedings of SPIE, 2010, , .	0.8	7
104	Enhancing reproducibility of ultrasonic measurements by new users. Proceedings of SPIE, 2013, , .	0.8	7
105	Switchable Acoustic and Optical Resolution Photoacoustic Microscopy for In Vivo Small-animal Blood Vasculature Imaging. Journal of Visualized Experiments, 2017, , .	0.2	7
106	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. Ultrasonics, 2019, 96, 55-63.	2.1	7
107	Dimensionality reduced plug and play priors for improving photoacoustic tomographic imaging with limited noisy data. Biomedical Optics Express, 2021, 12, 1320.	1.5	7
108	High frame rate (â^¼3ÂHz) circular photoacoustic tomography using single-element ultrasound transducer aided with deep learning. Journal of Biomedical Optics, 2022, 27, .	1.4	6

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109	Use of two wavelengths in microscopic TV holography for nondestructive testing. Optical Engineering, 2014, 53, 110501.	0.5	5
110	High resolution, labelâ€free photoacoustic imaging of live chicken embryo developing in bioengineered eggshell. Journal of Biophotonics, 2020, 13, e201960108.	1.1	5
111	Spatially variant regularization based on model resolution and fidelity embedding characteristics improves photoacoustic tomography. Journal of Biomedical Optics, 2018, 23, 1.	1.4	5
112	Photonic nanojet engineering to achieve super-resolution in photoacoustic microscopy: a simulation study. Proceedings of SPIE, 2017, , .	0.8	4
113	Nanoprobes: Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite (Adv. Mater. 6/2017). Advanced Materials, 2017, 29, .	11.1	4
114	Hand-held Clinical Photoacoustic Imaging System for Real-time Non-invasive Small Animal Imaging. Journal of Visualized Experiments, 2017, , .	0.2	4
115	Ultrasonic Implantation and Imaging of Sound-Sensitive Theranostic Agents for the Treatment of Arterial Inflammation. ACS Applied Materials & Interfaces, 2021, 13, 24422-24430.	4.0	4
116	Nanotechnology Facilitated Cultured Neuronal Network and Its Applications. International Journal of Molecular Sciences, 2021, 22, 5552.	1.8	4
117	Photoacoustic imaging of teeth for dentine imaging and enamel characterization. , 2018, , .		4
118	Raman Monte Carlo simulation for light propagation for tissue with embedded objects. , 2018, , .		4
119	High frame rate photoacoustic imaging using clinical ultrasound system. , 2016, , .		3
120	High-speed pre-clinical brain imaging using pulsed laser diode based photoacoustic tomography (PLD-PAT) system. Proceedings of SPIE, 2016, , .	0.8	3
121	A dual function theranostic agent for near-infrared photoacoustic imaging and photothermal therapy. Proceedings of SPIE, 2016, , .	0.8	3
122	Axial accuracy and signal enhancement in acoustic-resolution photoacoustic microscopy by laser jitter effect correction and pulse energy compensation. Biomedical Optics Express, 2021, 12, 1834.	1.5	3
123	Novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography using carbon nanotubes (CNTs) as a dual contrast agent. Proceedings of SPIE, 2009, , .	0.8	2
124	In vivo photoacoustic (PA) mapping of sentinel lymph nodes (SLNs) using carbon nanotubes (CNTs) as a contrast agent. , 2009, , .		2
125	Photoacoustic and thermoacoustic signal characteristics study. , 2013, , .		2
126	Two-wavelength microscopic speckle interferometry using colour CCD camera. , 2015, , .		2

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127	Modified delay-and-sum reconstruction algorithm to improve tangential resolution in photoacoustic tomography. Proceedings of SPIE, 2017, , .	0.8	2
128	Pulsed laser diode photoacoustic tomography (PLD-PAT) system for fast in vivo imaging of small animal brain. Proceedings of SPIE, 2017, , .	0.8	2
129	Investigating the Acoustic Response and Contrast Enhancement of Drug-Loadable PLGA Microparticles with Various Shapes and Morphologies. Ultrasound in Medicine and Biology, 2021, 47, 1844-1856.	0.7	2
130	Vector extrapolation methods for accelerating iterative reconstruction methods in limited-data photoacoustic tomography. Journal of Biomedical Optics, 2018, 23, 1.	1.4	2
131	Pulsed laser diode based photoacoustic tomography system using multiple acoustic reflector based single element ultrasound transducers. , 2019, , .		2
132	High resolution and deep tissue imaging using a near infrared acoustic resolution photoacoustic microscopy. , 2018, , .		2
133	RF diffraction effect in RF-induced thermoacoustic tomography: calibration and distortion. , 2008, , .		1
134	Photoacoustic tomography of foreign bodies in soft biological tissue. , 2010, , .		1
135	White light interferometer with color CCD for 3D-surface profiling of microsystems. , 2015, , .		1
136	Deep imaging with low-cost photoacoustic tomography system with pulsed diode laser. Proceedings of SPIE, 2015, , .	0.8	1
137	Compact holographic optical element-based electronic speckle pattern interferometer for rotation and vibration measurements. , 2017, , .		1
138	Optimising probe holder design for sentinel lymph node imaging using clinical photoacoustic system with Monte Carlo simulation. , 2017, , .		1
139	Raman Monte Carlo Simulation of Tooth Model with Embedded Sphere for Different Launch Beam Configurations. , 2018, , .		1
140	Pulsed Laser Diode-Based Desktop Photoacoustic Tomography for Monitoring Wash-In and Wash-Out of Dye in Rat Cortical Vasculature. Journal of Visualized Experiments, 2019, , .	0.2	1
141	Wiener filtering for deblurring of reconstructed images in photoacoustic tomography with finite size apodized transducers. , 2019, , .		1
142	Combined optical and acoustic resolution photoacoustic microscopy. , 2017, , .		1
143	Microfluidics-based microbubbles in methylene blue solution for photoacoustic and ultrasound imaging. , 2018, , .		1
144	Genetic algorithm for feedback-based wavefront shaping in optical imaging. , 2019, , .		1

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145	Phase shifting white light interferometry using colour CCD for optical metrology and bio-imaging applications. , 2018, , .		1
146	Multiple single-element transducer photoacoustic computed tomography system. , 2018, , .		1
147	High frame rate photoacoustic imaging of blood clots. , 2019, , .		1
148	Applications of higher-order phase shifting algorithms for multiple-wavelength metrology. , 2019, , .		1
149	A robust modified delay-and-sum algorithm for photoacoustic tomography imaging with apodized sensors. , 2019, , .		1
150	Photo-acoustic tomographic image reconstruction from reduced data using physically inspired regularization. Journal of Instrumentation, 2020, 15, P12028-P12028.	0.5	1
151	In vivo photoacoustic and ultrasonic mapping of rat sentinel lymph nodes with a modified commercial ultrasound imaging system. Proceedings of SPIE, 2010, , .	0.8	0
152	k-Wave simulation to understand the photoacoustic signal characteristics from various shapes of nanoparticles. Proceedings of SPIE, 2015, , .	0.8	0
153	High speed photoacoustic tomography system with low cost portable pulsed diode laser. , 2015, , .		0
154	White light single-shot interferometry with colour CCD camera for optical inspection of microsystems. , 2015, , .		0
155	Quantitative measurement of displacement in photopolymer layers during holographic recording using phase shifting electronic speckle pattern interferometry. Proceedings of SPIE, 2016, , .	0.8	0
156	Effect of monomer diffusion on photoinduced shrinkage in photopolymer layers determined by electronic speckle pattern interferometry. Proceedings of SPIE, 2017, , .	0.8	0
157	Compact photoacoustic tomography system. Proceedings of SPIE, 2017, , .	0.8	0
158	A study of laser irradiation-aided sonothrombolysis using gold nanoparticles-coated microbubbles via combined ultrasound (US) and photoacoustic (PA) imaging. , 2021, , .		0
159	A study of the effect of microbubbles with different gas cores and saline solution on microbubbles-assisted sonothrombolysis via combined ultrasound and photoacoustic imaging. , 2021, , .		0
160	Application of deep learning to improve tangential resolution in photoacoustic tomography. , 2021, , .		0
161	Improving out-of-focus resolution in acoustic resolution photoacoustic microscopy using deep learning. , 2021, , .		0
162	Multi-cavity PLGA particles as a theranostic agent. Journal of the Acoustical Society of America, 2021, 149, A118-A118.	0.5	0

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163	10.1063/5.0059351.1. , 2021, , .		0
164	Photoacoustic microscopy imaging for microneedle drug delivery. , 2018, , .		0
165	Photoacoustic cystography using handheld dual modal clinical ultrasound photoacoustic imaging system. , 2018, , .		0
166	Microcapillary imaging of lamina cribrosa in porcine eyes using photoacoustic microscopy. , 2018, , .		0
167	Photoacoustic imaging at 1064nm wavelength with exogenous contrast agents. , 2018, , .		0
168	Comparison of continuous and stop-and-go scanning techniques in photoacoustic tomography. , 2018, , .		0
169	Super-resolution photoacoustic microscopy using a localized near-field of a plasmonic nanoaperture: a three-dimensional simulation study. , 2018, , .		0
170	Photoacoustic monitoring of tissue temperature at high temporal resolution. , 2019, , .		0
171	A study of the effect of PEG-40 surfactant concentration on the stability of microbubbles post-injection through various needle sizes and its ultrasound imaging performance. , 2019, , .		0
172	A study of blood clots using photoacoustic imaging during sonothrombolysis. , 2019, , .		0
173	An efficient image formation algorithm for real-time linear-array photoacoustic tomography. , 2019, , .		0
174	Multiple wavelength fringe analysis for surface profile measurements. , 2019, , .		0
175	In vivo evaluation of cerebral venous sinus morphology using pulsed-laser-diode-based desktop photoacoustic tomography system. , 2020, , .		0
176	Monte Carlo simulations and photoacoustic experiments to compare imaging depth at 532 nm, 800 nm, and 1064 nm. , 2020, , .		0
177	RGB speckle pattern interferometry for surface metrology. , 2020, , .		0
178	Simultaneous profiling of optically smooth and rough surfaces using dual-wavelength interferometry. , 2020, , .		0
179	Photoacoustic imaging of live chicken embryo at multiple developmental stages. , 2020, , .		0
180	Multi-transducer photoacoustic tomography imaging without radius calibration using deep learning. , 2022, , .		0

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181	Accuracy of peak-power compensation in fiber-guided and free-space acoustic-resolution photoacoustic microscopy. Biomedical Optics Express, 2022, 13, 1774.	1.5	0
182	High frame rate multi-transducer photoacoustic tomography with deep learning. , 2022, , .		0