

Huabei Jiang

List of Publications by Year in Descending Order

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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.

192 papers	2,596 citations	26 h-index	43 g-index
224 ext. papers	3,398 ext. citations	4.2 avg, IF	5.53 L-index

#	Paper	IF	Citations
192	Integrated Wideband Chip-Scale RF Transceivers for Radar Sensing and UWB Communications: A Survey. <i>IEEE Circuits and Systems Magazine</i> , 2022 , 22, 40-76	3.2	4
191	Evaluation of Tracheal Stenosis in Rabbits Using Multispectral Optoacoustic Tomography.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 860305	5.8	0
190	Enhancing Finite Element-Based Photoacoustic Tomography by Localized Reconstruction Method. <i>Photonics</i> , 2022 , 9, 337	2.2	
189	A 164-M 915-MHz Sub-Sampling Phase-Tracking Zero-IF Receiver With 5-Mb/s Data Rate for Short-Range Applications. <i>IEEE Journal of Solid-State Circuits</i> , 2022 , 1-1	5.5	
188	A 28 nm CMOS 10 bit 100 MS/s Asynchronous SAR ADC with Low-Power Switching Procedure and Timing-Protection Scheme. <i>Electronics (Switzerland)</i> , 2021 , 10, 2856	2.6	
187	Wideband Gain Enhancement of an AMC Cavity-Backed Dual-Polarized Antenna. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	2
186	Self-assembled semiconducting polymer based hybrid nanoagents for synergistic tumor treatment. <i>Biomaterials</i> , 2021 , 279, 121188	15.6	2
185	An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. <i>Advanced Functional Materials</i> , 2021 , 31, 2101107	15.6	15
184	Neuroimaging of depression with diffuse optical tomography during repetitive transcranial magnetic stimulation. <i>Scientific Reports</i> , 2021 , 11, 7328	4.9	0
183	Photoacoustic Microscopy Imaging from Acoustic Resolution to Optical Resolution Enhancement with Deep Learning 2021 ,		2
182	A Multi-Frequency pMUT Array Based on Ceramic PZT for Endoscopic Photoacoustic Imaging 2021 ,		2
181	Photoacoustic imaging in evaluating early intestinal ischemia injury and reperfusion injury in rat models. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 2968-2979	3.6	2
180	Measurement and Error Analysis of Cu Film Thickness With Ta Barrier Layer on Wafer for CMP Application. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	3
179	MRC-Based Double Figure-of-Eight Coil Sensor System With Triple-Mode Operation Capability for Biomedical Applications. <i>IEEE Sensors Journal</i> , 2021 , 21, 14491-14502	4	2
178	A 98.6 dB SNDR SAR ADC with a Mismatch Error Shaping Technique Implemented with Double Sampling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	0
177	Flexible Tri-Band Dual-Polarized MIMO Belt Strap Antenna towards Wearable Applications in Intelligent Internet of Medical Things. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
176	Compact Dual-Polarized Wideband Antenna with Dual-/Single-Band Shifting for Micro Base Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3

175	Wideband Gain Enhancement of High-Isolation Fabry-Pérot Antenna Array with Tandem Circular Parasitic Patches and Radial Gradient PRS. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
174	Reflection mode photoacoustic/thermoacoustic dual modality imaging based on a hollow concave array. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021 , 0-0	0.6	1
173	High-Precision Thickness Measurement of Cu Film on Si-Based Wafer Using Erasable Printed Eddy Current Coil and High-Sensitivity Associated Circuit Techniques. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
172	56.2: Invited Paper: Breaking Resolution/Field-of-view Invariant in Near-eye Displays using Multiple Display Panels. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 410-411	0.5	
171	In vivo liver thermoacoustic imaging and demonstration based on localization wire. <i>Medical Physics</i> , 2021 , 48, 1608-1615	4.4	1
170	Large-Scale Huygens Metasurfaces for Holographic 3D Near-Eye Displays. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000538	8.3	5
169	42.1: Invited Paper: Design Considerations for Near-eye Displays using a Holographic Display Method. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 520-521	0.5	
168	Three-dimensional optical imaging of brain activation during transcranial magnetic stimulation. <i>Journal of X-Ray Science and Technology</i> , 2021 , 29, 891-902	2.1	
167	An Area-Efficient SAR ADC With Mismatch Error Shaping Technique Achieving 102-dB SFDR 90.2-dB SNDR Over 20-kHz Bandwidth. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2021 , 29, 1575-1585	2.6	2
166	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-Locked Stretchable Strain Sensor. <i>Advanced Materials</i> , 2021 , e2104078	24	10
165	Wideband Gain Enhancement of a Dual-Polarized MIMO Vehicular Antenna. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7897-7907	6.8	5
164	Morphology-dependent resonance enhanced nonlinear photoacoustic effect in nanoparticle suspension: a temporal-spatial model. <i>Biomedical Optics Express</i> , 2021 , 12, 7280-7296	3.5	
163	Thermoacoustic assessment of hematocrit changes in human forearms*. <i>Chinese Physics B</i> , 2021 , 30, 094302	1.2	1
162	Development of Dual-Frequency PMUT Arrays Based on Thin Ceramic PZT for Endoscopic Photoacoustic Imaging. <i>Journal of Microelectromechanical Systems</i> , 2021 , 30, 770-782	2.5	3
161	In Vivo Evaluation of a Miniaturized Fluorescence Molecular Tomography (FMT) Endoscope for Breast Cancer Detection Using Targeted Nanoprobes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
160	Facile Hydrothermal Synthesis of Fe ₂ O ₃ /rGO Composites for Low-Cost Supercapacitors. <i>Nano</i> , 2020 , 15, 2050162	1.1	1
159	Detecting hemodynamic changes in the foot vessels of diabetic patients by photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020 , 13, e202000011	3.1	6
158	Precision Improvement of Power-Efficient Capacitive Sensor Readout Circuit Using Multi-Nested Clocks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 2578-2587	3.9	4

157	A Low Power Pre-Setting Based Sub-Radix-2 Approximation for Multi-bit/cycle SAR ADCs. <i>IEEE Access</i> , 2020 , 8, 83062-83069	3.5	
156	A Multi-Loop Slew-Rate-Enhanced NMOS LDO Handling 1-A-Load-Current Step With Fast Transient for 5G Applications. <i>IEEE Journal of Solid-State Circuits</i> , 2020 , 55, 3076-3086	5.5	17
155	Pre-migration: A General Extension for Photoacoustic Imaging Reconstruction. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 1097-1105	4.5	5
154	In-vivo hemodynamic imaging of acute prenatal ethanol exposure in fetal brain by photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020 , 13, e201960161	3.1	3
153	Detection and Monitoring of Osteoporosis in a Rat Model by Thermoacoustic Tomography. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020 , 4, 234-239	2.8	4
152	A bioinspired analogous nerve towards artificial intelligence. <i>Nature Communications</i> , 2020 , 11, 268	17.4	34
151	Focusing light through scattering media by reinforced hybrid algorithms. <i>APL Photonics</i> , 2020 , 5, 016109	5.2	16
150	PEGylated gold nanorods with a broad absorption band in the first near-infrared window for multifunctional photoacoustic imaging.. <i>RSC Advances</i> , 2020 , 10, 4561-4567	3.7	5
149	High Power Angular Radial Staggered Vane Backward Wave Oscillator at W-Band. <i>IEEE Electron Device Letters</i> , 2020 , 41, 765-768	4.4	1
148	A Photoacoustic-Surface-Acoustic-Wave Sensor for Ring-Stage Malaria Parasite Detection. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 881-885	3.5	6
147	Wide Field-of-View Locating and Multimodal Vital Sign Monitoring Based on X -Band CMOS-Integrated Phased-Array Radar Sensor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4054-4065	4.1	15
146	Photoacoustic imaging of hemodynamic changes in forearm skeletal muscle during cuff occlusion. <i>Biomedical Optics Express</i> , 2020 , 11, 4560-4570	3.5	10
145	Assessment of liver function reserve by photoacoustic tomography: a feasibility study. <i>Biomedical Optics Express</i> , 2020 , 11, 3985-3995	3.5	4
144	In vivo Monitoring Hemodynamic Changes in Finger Vessels Using Photoacoustic Tomography 2020 , ,		2
143	A 600-mA, Fast-Transient Low-Dropout Regulator With Pseudo-ESR Technique in 0.18- μm CMOS Process. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2020 , 28, 403-413	2.6	6
142	Fan-shaped scanning approach for miniaturized photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020 , 13, e201960102	3.1	
141	Resolution enhancement of near-eye displays by overlapping images. <i>Optics Communications</i> , 2020 , 458, 124723	2	2
140	A Broadband Resonant Noise Matching Technique for Piezoelectric Ultrasound Transducers. <i>IEEE Sensors Journal</i> , 2020 , 20, 4290-4299	4	5

139	An improved method for quantitative recovery of conductivity using tomographically measured thermoacoustic data. <i>Journal of X-Ray Science and Technology</i> , 2020 , 28, 137-145	2.1	1
138	MEMS Ultrasound Transducers for Endoscopic Photoacoustic Imaging Applications. <i>Micromachines</i> , 2020 , 11,	3.3	16
137	A Ceramic PZT-based PMUT Array for Endoscopic Photoacoustic Imaging. <i>Journal of Microelectromechanical Systems</i> , 2020 , 29, 1038-1043	2.5	10
136	Reducing Acoustic Inhomogeneity Based on Speed of Sound Autofocus in Microwave Induced Thermoacoustic Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2206-2214	5	9
135	Thermoacoustic tomography of germinal matrix hemorrhage in neonatal mouse cerebrum. <i>Journal of X-Ray Science and Technology</i> , 2020 , 28, 83-93	2.1	5
134	A Piezoelectric MEMS Loud Speaker Based on Ceramic PZT 2019 ,		1
133	Convolutional neural network for breast cancer diagnosis using diffuse optical tomography. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2019 , 2, 1	2.9	14
132	Noncontact Thickness Measurement of Cu Film on Silicon Wafer Using Magnetic Resonance Coupling for Stress Free Polishing Application. <i>IEEE Access</i> , 2019 , 7, 75330-75341	3.5	2
131	Nondestructive Detection and Analysis of Skidding Damage for Bearing Steel 100Cr6 Using Improved Magnetic Barkhausen Noise Technique. <i>Journal of Nondestructive Evaluation</i> , 2019 , 38, 1	2.1	3
130	\$\text{K}\alpha\$-Band Symmetric V-Shaped Meander-Line Slow Wave Structure. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 4650-4657	1.3	17
129	Efficient visible light modulation based on electrically tunable all dielectric metasurfaces embedded in thin-layer nematic liquid crystals. <i>Scientific Reports</i> , 2019 , 9, 8673	4.9	23
128	Thermoacoustic elastography: recovery of bulk elastic modulus of heterogeneous media using tomographically measured thermoacoustic measurements. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 625-635	3.6	2
127	A four-way broadband filtering power divider with improved matching network for X-band application. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2155-2160	1.2	3
126	Multispectral optoacoustic imaging of dynamic redox correlation and pathophysiological progression utilizing upconversion nanoprobe. <i>Nature Communications</i> , 2019 , 10, 1087	17.4	89
125	Analysis and Design of Coil-Based Electromagnetic-Induced Thermoacoustic for Rail Internal-Flaw Inspection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 2691-2702	6.1	4
124	KNN/PDMS/C-based lead-free piezoelectric composite film for flexible nanogenerator. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7558-7566	2.1	11
123	Multifunctional nanoparticles for intracellular drug delivery and photoacoustic imaging of mesenchymal stem cells. <i>Drug Delivery and Translational Research</i> , 2019 , 9, 652-666	6.2	7
122	Noninvasive Electromagnetic Wave Sensing of Glucose. <i>Sensors</i> , 2019 , 19,	3.8	27

121	Technical Note: Anti-phase microwave illumination-based thermoacoustic tomography of in vivo human finger joints. <i>Medical Physics</i> , 2019 , 46, 2363-2369	4.4	4
120	Photoacoustic assessment of hemodynamic changes in foot vessels. <i>Journal of Biophotonics</i> , 2019 , 12, e201900004	3.1	14
119	Artificial intelligence-assisted light control and computational imaging through scattering media. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1930006	1.2	17
118	Photoacoustic imaging for the evaluation of early tumor response to antivasular treatment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 160-170	3.6	10
117	Compact Broadband Four-Port MIMO Antenna for 5G and IoT Applications 2019 ,		3
116	Controllably Enhancing Stretchability of Highly Sensitive Fiber-Based Strain Sensors for Intelligent Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2431-2440	9.5	32
115	Technical Note: Design of a handheld dipole antenna for a compact thermoacoustic imaging system. <i>Medical Physics</i> , 2019 , 46, 851-856	4.4	10
114	Bandstop Frequency-Selective Structures Based on Stepped-Impedance Loop Resonators: Design, Analysis, and Measurement. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1053-1064	4.9	9
113	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4867-4875	9.5	3
112	Thermoacoustic Tomography of In Vivo Human Finger Joints. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 1598-1608	5	25
111	Cu ₂ O concave hexapod microcrystals: selective facet etching and highly improved photocatalytic performance. <i>Journal of Materials Science</i> , 2019 , 54, 2876-2884	4.3	2
110	Photoacoustic Resonance Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-7	3.8	10
109	A spatio-temporal multiplexing multi-view display using a lenticular lens and a beam steering screen. <i>Optics Communications</i> , 2018 , 420, 168-173	2	5
108	A 10-bit 300 MS/s 5.8 mW SAR ADC With Two-Stage Interpolation for PET Imaging. <i>IEEE Sensors Journal</i> , 2018 , 18, 2006-2014	4	4
107	A 16-mW 1-GS/s With 49.6-dB SNDR TI-SAR ADC for Software-Defined Radio in 65-nm CMOS. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018 , 26, 572-583	2.6	7
106	Improved Design of the Vivaldi Dielectric Notch Radiator With Etched Slots and a Parasitic Patch. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1064-1068	3.8	8
105	Fast noninvasive functional diffuse optical tomography for brain imaging. <i>Journal of Biophotonics</i> , 2018 , 11, e201600267	3.1	14
104	Hierarchically distributed microstructure design of haptic sensors for personalized fingertip mechanosensational manipulation. <i>Materials Horizons</i> , 2018 , 5, 920-931	14.4	22

103	Synthesis and evolution of Fe_2O_3 nanorods for enhanced visible-light-driven photocatalysis. <i>Journal of Materials Science</i> , 2018 , 53, 15850-15858	4.3	6
102	Noninvasive Glucose Measurement by Microwave Biosensor with Accuracy Enhancement 2018 ,		2
101	70-2: Projection-based Multi-view Three-dimensional Display with Angular Steering Screen. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 934-937	0.5	0
100	A High-Speed 2-bit/Cycle SAR ADC With Time-Domain Quantization. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018 , 26, 2175-2179	2.6	6
99	Facile synthesis of ring-like Fe_2O_3 assembly composed of small hematite particles for highly efficient photocatalysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2610-2617	2.1	7
98	A Compressed Sensing Based Miniaturized Photoacoustic Imaging System 2018 ,		2
97	Design and Fabrication of a Piezoelectric Micromachined Ultrasonic Transducer Array Based on Ceramic PZT 2018 ,		11
96	Seed-Mediated Synthesis of Tunable-Aspect-Ratio Gold Nanorods for Near-Infrared Photoacoustic Imaging. <i>Nanoscale Research Letters</i> , 2018 , 13, 313	5	20
95	"Guide Star" Assisted Noninvasive Photoacoustic Measurement of Glucose. <i>ACS Sensors</i> , 2018 , 3, 2550-2557	5.7	13
94	Concave structure of Cu_2O truncated microcubes: PVP assisted {100} facet etching and improved facet-dependent photocatalytic properties. <i>CrystEngComm</i> , 2018 , 20, 6580-6588	3.3	13
93	Electromagnetic/Acoustic Sensing for Biomedical Applications. <i>Sensors</i> , 2018 , 18,	3.8	10
92	Directly printed wearable electronic sensing textiles towards human-machine interfaces. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12841-12848	7.1	37
91	Portable photoacoustic system for noninvasive blood temperature measurement 2018 ,		8
90	Phase-domain photoacoustic sensing. <i>Applied Physics Letters</i> , 2017 , 110, 033701	3.4	9
89	Surface engineering of semiconducting polymer nanoparticles for amplified photoacoustic imaging. <i>Biomaterials</i> , 2017 , 127, 97-106	15.6	105
88	Hybrid Perovskite Light-Emitting Diodes Based on Perovskite Nanocrystals with Organic-Inorganic Mixed Cations. <i>Advanced Materials</i> , 2017 , 29, 1606405	24	189
87	Monocrystalline hematite nanostructures: three-dimensionally oriented aggregation synthesis and their comparative visible-light photocatalytic activities. <i>CrystEngComm</i> , 2017 , 19, 1926-1932	3.3	6
86	An analytical study of photoacoustic and thermoacoustic generation efficiency towards contrast agent and film design optimization. <i>Photoacoustics</i> , 2017 , 7, 1-11	9	26

85	Effect of sintered temperature on structural and piezoelectric properties of barium titanate ceramic prepared by nano-scale precursors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9322-9327	2.1	8
84	A 13.5–19 GHz 20.6-dB Gain CMOS Power Amplifier for FMCW Radar Application. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 377-379	2.6	11
83	A compact and lightweight off-axis lightguide prism in near to eye display. <i>Optics Communications</i> , 2017 , 393, 143-151	2	3
82	Miniature Endoscope for Multimodal Imaging. <i>ACS Photonics</i> , 2017 , 4, 174-180	6.3	34
81	A 0.9–1.6 GHz Cognitive Radio Receiver With Spread Spectrum Frequency Synthesizer for Spectrum Sensing. <i>IEEE Sensors Journal</i> , 2017 , 17, 7569-7577	4	3
80	Adaptive Photoacoustic Sensing Using Matched Filter 2017 , 1, 1-3		6
79	Response to Comment on Multiple stimulated emission fluorescence photoacoustic sensing and spectroscopy [Appl. Phys. Lett. 111, 056101 (2017)]. <i>Applied Physics Letters</i> , 2017 , 111, 056102	3.4	
78	Single laser pulse generates dual photoacoustic signals for differential contrast photoacoustic imaging. <i>Scientific Reports</i> , 2017 , 7, 626	4.9	50
77	A Multiple Vibration Modes Separation Technique Based on 3*5 Element Energy Harvester Array: Frequency, Bandwidth Adjustment, and Electrical Characterization. <i>IEEE Sensors Journal</i> , 2017 , 17, 6378-6384	4.384	5
76	Efficient directional and L1-optimized intra-prediction for light field image compression 2017 ,		8
75	Targeted Molecular Imaging of Pancreatic Cancer with a Miniature Endoscope. <i>Applied Sciences (Switzerland)</i> , 2017 , 7,	2.6	3
74	A Low-Power and Highly Linear 14-bit Parallel Sampling TDC With Power Gating and DEM in 65-nm CMOS. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2016 , 24, 1083-1091	2.6	14
73	Near-Infrared Optical Imaging Noninvasively Detects Acutely Damaged Muscle. <i>American Journal of Pathology</i> , 2016 , 186, 2692-700	5.8	5
72	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. <i>Advanced Functional Materials</i> , 2016 , 26, 7708-7716	15.6	112
71	Live demonstration: A Ku-band FMCW synthetic aperture radar transceiver for micro-UAVs 2016 ,		2
70	Surface acoustic wave RF sensing and actuation for lab-on-a-chip platforms 2016 ,		2
69	A high gain decibel-linear programmable gain amplifier of synthetic aperture radar receiver 2016 ,		4
68	Morphology-Controlled Synthesis and Electrochemical Characteristics of Fe ₂ O ₃ Nanorods. <i>Nano</i> , 2016 , 11, 1630003	1.1	6

67	Ultrasound (US) transducer of higher operating frequency detects photoacoustic (PA) signals due to the contrast in elastic property. <i>AIP Advances</i> , 2016 , 6, 025210	1.5	7
66	L1-optimized linear prediction for light field image compression 2016 ,		11
65	Multichannel Time Skew Calibration for Time-Interleaved ADCs Using Clock Signal. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 2669-2682	2.2	3
64	A Fractional-N Counter-Assisted DPLL With Parallel Sampling ILFD. <i>IEEE Journal of Solid-State Circuits</i> , 2016 , 51, 1361-1373	5.5	1
63	Micro-Doppler Photoacoustic Effect and Sensing by Ultrasound Radar. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 152-157	3.8	10
62	Single-Wavelength Blood Oxygen Saturation Sensing With Combined Optical Absorption and Scattering. <i>IEEE Sensors Journal</i> , 2016 , 16, 1943-1948	4	22
61	A Filter Bank Mismatch Calibration Technique for Frequency-Interleaved ADCs. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 3847-3862	2.2	5
60	Wearable scanning photoacoustic brain imaging in behaving rats. <i>Journal of Biophotonics</i> , 2016 , 9, 570-579	3.1	23
59	Quality of experience measurement for light field 3D displays on multilayer LCDs. <i>Journal of the Society for Information Display</i> , 2016 , 24, 726-740	2.1	9
58	Wearable 3-D Photoacoustic Tomography for Functional Brain Imaging in Behaving Rats. <i>Scientific Reports</i> , 2016 , 6, 25470	4.9	51
57	Two schemes for quantitative photoacoustic tomography based on Monte Carlo simulation. <i>Medical Physics</i> , 2016 , 43, 3987	4.4	31
56	Photoacoustic induced surface acoustic wave sensor for concurrent opto-mechanical microfluidic sensing of dyes and plasmonic nanoparticles. <i>RSC Advances</i> , 2016 , 6, 50238-50244	3.7	9
55	High-Accuracy Time-Mode Duty-Cycle-Modulation-Based Temperature Sensor for Energy-Efficient System Applications. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 2317-2330	2.2	
54	Remarkable In Vivo Nonlinear Photoacoustic Imaging Based on Near-Infrared Organic Dyes. <i>Small</i> , 2016 , 12, 5239-5244	11	26
53	Moiré reduction method for slanted-lenticular-based quasi-three-dimensional displays. <i>Optics Communications</i> , 2016 , 381, 314-322	2	7
52	Source follower-based high-speed switched capacitor amplifier for pipelined ADCs. <i>Electronics Letters</i> , 2015 , 51, 21-23	1.1	3
51	A novel detachable head-mounted device for simultaneous EEG and photoacoustic monitoring of epilepsy in freely moving rats. <i>Neuroscience Research</i> , 2015 , 91, 57-62	2.9	6
50	Noninvasive high-speed photoacoustic tomography of cerebral hemodynamics in awake-moving rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1224-32	7.3	43

49	Ring Oscillator Based Injection Locked Frequency Divider Using Dual Injection Paths. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 322-324	2.6	13
48	Photoacoustic imaging of acupuncture effect in small animals. <i>Biomedical Optics Express</i> , 2015 , 6, 433-423.5	3.5	7
47	High resolution functional photoacoustic tomography of breast cancer. <i>Medical Physics</i> , 2015 , 42, 5321-84.4	4.4	39
46	Focused Magnetic Resonance Coupling Coils for Electromagnetic Therapy Applications. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 2602-2610	5	4
45	Towards real-time detection of seizures in awake rats with GPU-accelerated diffuse optical tomography. <i>Journal of Neuroscience Methods</i> , 2015 , 240, 28-36	3	13
44	High resolution three-dimensional photoacoustic imaging of human finger joints in vivo. <i>Applied Physics Letters</i> , 2015 , 107, 063701	3.4	44
43	Two-layer optimized light field display using depth initialization 2015 ,		2
42	Area-detection fibre-optic system for spatially offset Raman spectroscopy and Raman tomography in reflection mode. <i>Electronics Letters</i> , 2015 , 51, 1684-1686	1.1	2
41	Comparing the magnetic resonant coupling radiofrequency stimulation to the traditional approaches: Ex-vivo tissue voltage measurement and electromagnetic simulation analysis. <i>AIP Advances</i> , 2015 , 5, 097110	1.5	
40	FMTPen: A Miniaturized Handheld Fluorescence Molecular Tomography Probe for Image-Guided Cancer Surgery. <i>Photonics</i> , 2015 , 2, 279-287	2.2	4
39	A Statistic-Based Calibration Method for TIADC System. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	6
38	HER-2/neu targeted delivery of a nanoprobe enables dual photoacoustic and fluorescence tomography of ovarian cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 669-77	6	28
37	A high-impedance dual-mode SAW resonator for ultra low power and high data rate FSK modulator. <i>Sensors and Actuators A: Physical</i> , 2014 , 220, 188-193	3.9	4
36	Coherent photoacoustic-ultrasound correlation and imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2507-2512	5	41
35	A 3.54 nJ/bit-RX, 0.671 nJ/bit-TX Burst Mode Super-Regenerative UWB Transceiver in 0.18- μm CMOS. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 2473-2481	3.9	15
34	Non-invasive detection of optical changes elicited by seizure activity using time-series analysis of light scattering images in a rat model of generalized seizure. <i>Journal of Neuroscience Methods</i> , 2014 , 227, 18-28	3	2
33	Pre-seizure state identified by diffuse optical tomography. <i>Scientific Reports</i> , 2014 , 4, 3798	4.9	17
32	Photoacoustic computed microscopy. <i>Scientific Reports</i> , 2014 , 4, 4960	4.9	20

31	Osteoarthritis and psoriatic arthritis: findings in three-dimensional biophotonics imaging. <i>Bio-Medical Materials and Engineering</i> , 2014 , 24, 3063-71	1	1
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