

Huabei Jiang

List of Publications by Year in descending order

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219
papers

4,147
citations

117625

34
h-index

161849

54
g-index

224
all docs

224
docs citations

224
times ranked

4969
citing authors

#	ARTICLE	IF	CITATIONS
1	A 98.6 dB SNDR SAR ADC With a Mismatch Error Shaping Technique Implemented With Double Sampling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 774-778.	3.0	2
2	Flexible Tri-Band Dual-Polarized MIMO Belt Strap Antenna Toward Wearable Applications in Intelligent Internet of Medical Things. IEEE Transactions on Antennas and Propagation, 2022, 70, 197-208.	5.1	15
3	High-Precision Thickness Measurement of Cu Film on Si-Based Wafer Using Erasable Printed Eddy Current Coil and High-Sensitivity Associated Circuit Techniques. IEEE Transactions on Industrial Electronics, 2022, 69, 9556-9565.	7.9	6
4	Glaucoma screening using an attention-guided stereo ensemble network. Methods, 2022, 202, 14-21.	3.8	15
5	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-Locked Stretchable Strain Sensor. Advanced Materials, 2022, 34, e2104078.	21.0	39
6	Enhanced piezoelectric performance of multi-layered flexible polyvinylidene fluoride/BaTiO ₃ /rGO films for monitoring human body motions. Journal of Materials Science: Materials in Electronics, 2022, 33, 4291-4304.	2.2	9
7	Integrated Wideband Chip-Scale RF Transceivers for Radar Sensing and UWB Communications: A Survey. IEEE Circuits and Systems Magazine, 2022, 22, 40-76.	2.3	13
8	Evaluation of Tracheal Stenosis in Rabbits Using Multispectral Optoacoustic Tomography. Frontiers in Bioengineering and Biotechnology, 2022, 10, 860305.	4.1	1
9	Fast Fault Diagnosis Method Of Rolling Bearings In Multi-Sensor Measurement Environment. , 2022, , .		1
10	Enhancing Finite Element-Based Photoacoustic Tomography by Localized Reconstruction Method. Photonics, 2022, 9, 337.	2.0	1
11	A 164- μ W 915-MHz Sub-Sampling Phase-Tracking Zero-IF Receiver With 5-Mb/s Data Rate for Short-Range Applications. IEEE Journal of Solid-State Circuits, 2022, 57, 2658-2671.	5.4	2
12	Anti-phase microwave illumination-based thermoacoustic tomography for in vivo detection of rheumatoid arthritis in the finger joints. , 2022, , .		0
13	Gain-Enhanced Wideband Antenna Sensor Integrated with CMOS-Based Transceiver Chip for Human Respiratory Monitoring in Telemedicine Diagnosis. , 2022, , .		1
14	A Floating-Body Transistor-Based Power Amplifier for Sub-6-GHz 5G Applications in SOI CMOS 130-nm Process. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4088-4092.	3.0	2
15	A Signal Response Visualization Gas Recognition Algorithm Based on a Wavelet Transform Coefficient Map-Capsule Network for Artificial Olfaction. IEEE Sensors Journal, 2022, 22, 14717-14726.	4.7	5
16	Measurement and Error Analysis of Cu Film Thickness With Ta Barrier Layer on Wafer for CMP Application. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	5
17	MRC-Based Double Figure-of-Eight Coil Sensor System With Triple-Mode Operation Capability for Biomedical Applications. IEEE Sensors Journal, 2021, 21, 14491-14502.	4.7	19
18	Compact Dual-Polarized Wideband Antenna With Dual-/Single-Band Shifting for Microbase Station Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7323-7332.	5.1	28

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19	Wideband Gain Enhancement of High-Isolation Fabry-Pérot Antenna Array With Tandem Circular Parasitic Patches and Radial Gradient PRS. IEEE Transactions on Antennas and Propagation, 2021, 69, 7959-7964.	5.1	28
20	Reflection mode photoacoustic/thermoacoustic dual modality imaging based on hollow concave array. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 100701.	0.5	2
21	56.2: Invited Paper: Breaking Resolution/Field-of-view Invariant in Near-Eye Displays using Multiple Display Panels. Digest of Technical Papers SID International Symposium, 2021, 52, 410-411.	0.3	0
22	In vivo liver thermoacoustic imaging and demonstration based on localization wire. Medical Physics, 2021, 48, 1608-1615.	3.0	3
23	An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. Advanced Functional Materials, 2021, 31, 2101107.	14.9	46
24	Neuroimaging of depression with diffuse optical tomography during repetitive transcranial magnetic stimulation. Scientific Reports, 2021, 11, 7328.	3.3	3
25	Integrated thermoacoustic and ultrasound imaging based on the combination of a hollow concave transducer array and a linear transducer array. Physics in Medicine and Biology, 2021, 66, 115011.	3.0	9
26	Photoacoustic Microscopy Imaging from Acoustic Resolution to Optical Resolution Enhancement with Deep Learning. , 2021, , .		5
27	Partial Discharge Detection Based on Long Short-Term Memory Neural Network Classifier with Efficient Feature Extraction Methods. , 2021, , .		4
28	A Multi-Frequency pMUT Array Based on Ceramic PZT for Endoscopic Photoacoustic Imaging. , 2021, , .		10
29	Photoacoustic imaging in evaluating early intestinal ischemia injury and reperfusion injury in rat models. Quantitative Imaging in Medicine and Surgery, 2021, 11, 2968-2979.	2.0	3
30	Large-Scale Huygens™ Metasurfaces for Holographic 3D Near-Eye Displays. Laser and Photonics Reviews, 2021, 15, 2000538.	8.7	23
31	42.1: Invited Paper: Design Considerations for Near-Eye Displays using a Holographic Display Method. Digest of Technical Papers SID International Symposium, 2021, 52, 520-521.	0.3	0
32	Three-dimensional optical imaging of brain activation during transcranial magnetic stimulation. Journal of X-Ray Science and Technology, 2021, 29, 891-902.	1.0	0
33	An Area-Efficient SAR ADC With Mismatch Error Shaping Technique Achieving 102-dB SFDR 90.2-dB SNDR Over 20-kHz Bandwidth. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2021, 29, 1575-1585.	3.1	9
34	Wideband Gain Enhancement of a Dual-Polarized MIMO Vehicular Antenna. IEEE Transactions on Vehicular Technology, 2021, 70, 7897-7907.	6.3	30
35	Morphology-Dependent Resonance Enhanced Nonlinear Photoacoustic Effect in Nanoparticle Suspension: A Temporal-spatial Model. Biomedical Optics Express, 2021, 12, 7280-7296.	2.9	0
36	Thermoacoustic assessment of hematocrit changes in human forearms*. Chinese Physics B, 2021, 30, 094302.	1.4	2

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37	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	17
38	Wideband Gain Enhancement of an AMC Cavity-Backed Dual-Polarized Antenna. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 12703-12712.	6.3	23
39	Self-assembled semiconducting polymer based hybrid nanoagents for synergistic tumor treatment. <i>Biomaterials</i> , 2021, 279, 121188.	11.4	11
40	First assessment of thermoacoustic tomography for in vivo detection of rheumatoid arthritis in the finger joints detection of rheumatoid arthritis in the finger joints. <i>Medical Physics</i> , 2021, , .	3.0	7
41	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.	3.1	1
42	A 600-mA, Fast-Transient Low-Dropout Regulator With Pseudo-ESR Technique in 0.18- μ m CMOS Process. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2020, 28, 403-413.	3.1	12
43	Fan-shaped scanning approach for miniaturized photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020, 13, e201960102.	2.3	0
44	Resolution enhancement of near-eye displays by overlapping images. <i>Optics Communications</i> , 2020, 458, 124723.	2.1	3
45	A Broadband Resonant Noise Matching Technique for Piezoelectric Ultrasound Transducers. <i>IEEE Sensors Journal</i> , 2020, 20, 4290-4299.	4.7	13
46	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.	1.0	2
47	MEMS Ultrasound Transducers for Endoscopic Photoacoustic Imaging Applications. <i>Micromachines</i> , 2020, 11, 928.	2.9	30
48	A Ceramic PZT-Based PMUT Array for Endoscopic Photoacoustic Imaging. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1038-1043.	2.5	22
49	A Noninvasive Field-Enhanced Magnetic Stimulator Using Secondary Ferrite Core and Resonant Structure. , 2020, , .		1
50	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, 9389.	4.1	5
51	Facile Hydrothermal Synthesis of Fe ₂ O ₃ /rGO Composites for Low-Cost Supercapacitors. <i>Nano</i> , 2020, 15, 2050162.	1.0	1
52	Detecting hemodynamic changes in the foot vessels of diabetic patients by photoacoustic tomography. <i>Journal of Biophotonics</i> , 2020, 13, e202000011.	2.3	23
53	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.	5.4	7
54	A Low Power Pre-Setting Based Sub-Radix-2 Approximation for Multi-bit/cycle SAR ADCs. <i>IEEE Access</i> , 2020, 8, 83062-83069.	4.2	1

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55	A Multi-Loop Slew-Rate-Enhanced NMOS LDO Handling 1-A-Load-Current Step With Fast Transient for 5G Applications. IEEE Journal of Solid-State Circuits, 2020, 55, 3076-3086.	5.4	36
56	Pre-migration: A General Extension for Photoacoustic Imaging Reconstruction. IEEE Transactions on Computational Imaging, 2020, 6, 1097-1105.	4.4	10
57	In vivo hemodynamic imaging of acute prenatal ethanol exposure in fetal brain by photoacoustic tomography. Journal of Biophotonics, 2020, 13, e201960161.	2.3	12
58	Detection and Monitoring of Osteoporosis in a Rat Model by Thermoacoustic Tomography. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 234-239.	3.4	11
59	A bioinspired analogous nerve towards artificial intelligence. Nature Communications, 2020, 11, 268.	12.8	80
60	Focusing light through scattering media by reinforced hybrid algorithms. APL Photonics, 2020, 5, .	5.7	38
61	PEGylated gold nanorods with a broad absorption band in the first near-infrared window for <i>in vivo</i> multifunctional photoacoustic imaging. RSC Advances, 2020, 10, 4561-4567.	3.6	7
62	High Power Angular Radial Staggered Vane Backward Wave Oscillator at W-Band. IEEE Electron Device Letters, 2020, 41, 765-768.	3.9	7
63	A Photoacoustic-Surface-Acoustic-Wave Sensor for Ring-Stage Malaria Parasite Detection. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 881-885.	3.0	11
64	Thermoacoustic tomography of germinal matrix hemorrhage in neonatal mouse cerebrum. Journal of X-Ray Science and Technology, 2020, 28, 83-93.	1.0	11
65	Wide Field-of-View Locating and Multimodal Vital Sign Monitoring Based on X-Band CMOS-Integrated Phased-Array Radar Sensor. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4054-4065.	4.6	36
66	Photoacoustic imaging of hemodynamic changes in forearm skeletal muscle during cuff occlusion. Biomedical Optics Express, 2020, 11, 4560.	2.9	29
67	Assessment of liver function reserve by photoacoustic tomography: a feasibility study. Biomedical Optics Express, 2020, 11, 3985.	2.9	11
68	Dynamic Monitoring of Intestinal Ischemia-reperfusion Injury in Rats by Photoacoustic Tomography. , 2020, , .		0
69	In vivo Monitoring Hemodynamic Changes in Finger Vessels Using Photoacoustic Tomography. , 2020, , .		2
70	Artificial intelligence-assisted light control and computational imaging through scattering media. Journal of Innovative Optical Health Sciences, 2019, 12, 1930006.	1.0	32
71	A Piezoelectric MEMS Loud Speaker Based on Ceramic PZT. , 2019, , .		7
72	Convolutional neural network for breast cancer diagnosis using diffuse optical tomography. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 1.	3.7	48

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73	Noncontact Thickness Measurement of Cu Film on Silicon Wafer Using Magnetic Resonance Coupling for Stress Free Polishing Application. IEEE Access, 2019, 7, 75330-75341.	4.2	4
74	Nondestructive Detection and Analysis of Skidding Damage for Bearing Steel 100Cr6 Using Improved Magnetic Barkhausen Noise Technique. Journal of Nondestructive Evaluation, 2019, 38, 1.	2.4	10
75	\$Ka\$ -Band Symmetric V-Shaped Meander-Line Slow Wave Structure. IEEE Transactions on Plasma Science, 2019, 47, 4650-4657.	1.3	27
76	Efficient visible light modulation based on electrically tunable all dielectric metasurfaces embedded in thin-layer nematic liquid crystals. Scientific Reports, 2019, 9, 8673.	3.3	41
77	Thermoacoustic elastography: recovery of bulk elastic modulus of heterogeneous media using tomographically measured thermoacoustic measurements. Quantitative Imaging in Medicine and Surgery, 2019, 9, 625-635.	2.0	5
78	A four-way broadband filtering power divider with improved matching network for X-band application. Microwave and Optical Technology Letters, 2019, 61, 2155-2160.	1.4	4
79	Portable Photoacoustic Sensor for Noninvasive Glucose Monitoring. , 2019, , .		3
80	Multispectral optoacoustic imaging of dynamic redox correlation and pathophysiological progression utilizing upconversion nanoprobes. Nature Communications, 2019, 10, 1087.	12.8	126
81	Analysis and Design of Coil-Based Electromagnetic-Induced Thermoacoustic for Rail Internal-Flaw Inspection. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2691-2702.	8.0	27
82	KNN/PDMS/C-based lead-free piezoelectric composite film for flexible nanogenerator. Journal of Materials Science: Materials in Electronics, 2019, 30, 7558-7566.	2.2	20
83	Multifunctional nanoparticles for intracellular drug delivery and photoacoustic imaging of mesenchymal stem cells. Drug Delivery and Translational Research, 2019, 9, 652-666.	5.8	12
84	Noninvasive Electromagnetic Wave Sensing of Glucose. Sensors, 2019, 19, 1151.	3.8	59
85	Technical Note: Anti-phase microwave illumination-based thermoacoustic tomography of in vivo human finger joints. Medical Physics, 2019, 46, 2363-2369.	3.0	18
86	Photoacoustic assessment of hemodynamic changes in foot vessels. Journal of Biophotonics, 2019, 12, e201900004.	2.3	23
87	Compact Broadband Four-Port MIMO Antenna for 5G and IoT Applications. , 2019, , .		4
88	A Novel Beam Forming Electrode for Sheet Beam Electron Gun. , 2019, , .		0
89	Reducing Acoustic Inhomogeneity Based on Speed of Sound Autofocus in Microwave Induced Thermoacoustic Tomography. IEEE Transactions on Biomedical Engineering, 2019, 67, 1-1.	4.2	15
90	Continuous wave laser excitation based portable optoacoustic imaging system for melanoma detection. , 2019, , .		5

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91	Controllably Enhancing Stretchability of Highly Sensitive Fiber-Based Strain Sensors for Intelligent Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2431-2440.	8.0	47
92	Technical Note: Design of a handheld dipole antenna for a compact thermoacoustic imaging system. <i>Medical Physics</i> , 2019, 46, 851-856.	3.0	24
93	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.	5.1	21
94	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.	8.0	4
95	Thermoacoustic Tomography of <i>In Vivo</i> Human Finger Joints. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1598-1608.	4.2	46
96	Cu ₂ O concave hexapod microcrystals: selective facet etching and highly improved photocatalytic performance. <i>Journal of Materials Science</i> , 2019, 54, 2876-2884.	3.7	4
97	Photoacoustic Resonance Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	2.9	15
98	Photoacoustic imaging for the evaluation of early tumor response to antivasular treatment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 160-170.	2.0	15
99	A spatio-temporal multiplexing multi-view display using a lenticular lens and a beam steering screen. <i>Optics Communications</i> , 2018, 420, 168-173.	2.1	8
100	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.	4.7	6
101	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.	3.1	14
102	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.	4.0	19
103	Fast noninvasive functional diffuse optical tomography for brain imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201600267.	2.3	21
104	Facile synthesis of ring-like γ -Fe ₂ O ₃ assembly composed of small hematite particles for highly efficient photocatalysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2610-2617.	2.2	11
105	Investigation and Study for Rail Internal-Flaw Inspection Technique. , 2018, , .		4
106	Wireless Power Transfer and Thermoacoustic Generation Applied in Rail. , 2018, , .		3
107	A Compressed Sensing Based Miniaturized Photoacoustic Imaging System. , 2018, , .		2
108	Design and Fabrication of a Piezoelectric Micromachined Ultrasonic Transducer Array Based on Ceramic PZT. , 2018, , .		14

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109	Seed-Mediated Synthesis of Tunable-Aspect-Ratio Gold Nanorods for Near-Infrared Photoacoustic Imaging. <i>Nanoscale Research Letters</i> , 2018, 13, 313.	5.7	27
110	Guide Star-Assisted Noninvasive Photoacoustic Measurement of Glucose. <i>ACS Sensors</i> , 2018, 3, 2550-2557.	7.8	21
111	Concave structure of Cu ₂ O truncated microcubes: PVP assisted {100} facet etching and improved facet-dependent photocatalytic properties. <i>CrystEngComm</i> , 2018, 20, 6580-6588.	2.6	13
112	Electromagnetic-Acoustic Sensing for Biomedical Applications. <i>Sensors</i> , 2018, 18, 3203.	3.8	17
113	Directly printed wearable electronic sensing textiles towards human-machine interfaces. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12841-12848.	5.5	54
114	Portable photoacoustic system for noninvasive blood temperature measurement. , 2018, , .		11
115	Hierarchically distributed microstructure design of haptic sensors for personalized fingertip mechanosensational manipulation. <i>Materials Horizons</i> , 2018, 5, 920-931.	12.2	37
116	Synthesis and evolution of γ -Fe ₂ O ₃ nanorods for enhanced visible-light-driven photocatalysis. <i>Journal of Materials Science</i> , 2018, 53, 15850-15858.	3.7	9
117	Noninvasive Glucose Measurement by Microwave Biosensor with Accuracy Enhancement. , 2018, , .		3
118	70°: Projection-based Multi-view Three-dimensional Display with Angular Steering Screen. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 934-937.	0.3	1
119	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.	3.1	10
120	Phase-domain photoacoustic sensing. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	12
121	Surface engineering of semiconducting polymer nanoparticles for amplified photoacoustic imaging. <i>Biomaterials</i> , 2017, 127, 97-106.	11.4	119
122	Hybrid Perovskite Light-Emitting Diodes Based on Perovskite Nanocrystals with Organic-Inorganic Mixed Cations. <i>Advanced Materials</i> , 2017, 29, 1606405.	21.0	235
123	Monocrystalline hematite nanostructures: three-dimensionally oriented aggregation synthesis and their comparative visible-light photocatalytic activities. <i>CrystEngComm</i> , 2017, 19, 1926-1932.	2.6	6
124	An analytical study of photoacoustic and thermoacoustic generation efficiency towards contrast agent and film design optimization. <i>Photoacoustics</i> , 2017, 7, 1-11.	7.8	35
125	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.	2.2	14
126	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.	3.2	28

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127	A compact and lightweight off-axis lightguide prism in near to eye display. Optics Communications, 2017, 393, 143-151.	2.1	4
128	Miniature Endoscope for Multimodal Imaging. ACS Photonics, 2017, 4, 174-180.	6.6	46
129	A 0.9~2.6 GHz Cognitive Radio Receiver With Spread Spectrum Frequency Synthesizer for Spectrum Sensing. IEEE Sensors Journal, 2017, 17, 7569-7577.	4.7	4
130	Adaptive Photoacoustic Sensing Using Matched Filter. , 2017, 1, 1-3.		12
131	Response to "Comment on "Multiple stimulated emission fluorescence photoacoustic sensing and spectroscopy" [Appl. Phys. Lett. 111, 056101 (2017)]. Applied Physics Letters, 2017, 111, 056102.	3.3	0
132	Single laser pulse generates dual photoacoustic signals for differential contrast photoacoustic imaging. Scientific Reports, 2017, 7, 626.	3.3	71
133	A Multiple Vibration Modes Separation Technique Based on 3*5 Element Energy Harvester Array: Frequency, Bandwidth Adjustment, and Electrical Characterization. IEEE Sensors Journal, 2017, 17, 6378-6384.	4.7	7
134	Three-dimensional reconstruction for photon counting imaging using a planar catadioptric method. , 2017, , .		2
135	Efficient directional and L1-optimized intra-prediction for light field image compression. , 2017, , .		9
136	Dual-pulse nonlinear photoacoustic imaging: Physics, sensing and imaging system design. , 2017, , .		0
137	Horizontal-parallax-only light field 3D display based on stacked LCDs. , 2017, , .		0
138	Targeted Molecular Imaging of Pancreatic Cancer with a Miniature Endoscope. Applied Sciences (Switzerland), 2017, 7, 1241.	2.5	3
139	Wearable scanning photoacoustic brain imaging in behaving rats. Journal of Biophotonics, 2016, 9, 570-575.	2.3	27
140	Quality of experience measurement for light field 3D displays on multilayer LCDs. Journal of the Society for Information Display, 2016, 24, 726-740.	2.1	15
141	Nonlinear electromagnetic-acoustic sensing and imaging. , 2016, , .		1
142	Wearable 3-D Photoacoustic Tomography for Functional Brain Imaging in Behaving Rats. Scientific Reports, 2016, 6, 25470.	3.3	64
143	Two schemes for quantitative photoacoustic tomography based on Monte Carlo simulation. Medical Physics, 2016, 43, 3987-3997.	3.0	39
144	An analog baseband chain of synthetic aperture radar receiver. , 2016, , .		0

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145	Photoacoustic induced surface acoustic wave sensor for concurrent opto-mechanical microfluidic sensing of dyes and plasmonic nanoparticles. RSC Advances, 2016, 6, 50238-50244.	3.6	17
146	High-Accuracy Time-Mode Duty-Cycle-Modulation-Based Temperature Sensor for Energy-Efficient System Applications. Circuits, Systems, and Signal Processing, 2016, 35, 2317-2330.	2.0	0
147	Remarkable In Vivo Nonlinear Photoacoustic Imaging Based on Near-Infrared Organic Dyes. Small, 2016, 12, 5239-5244.	10.0	31
148	Moiré-reduction method for slanted-lenticular-based quasi-three-dimensional displays. Optics Communications, 2016, 381, 314-322.	2.1	10
149	Near-Infrared Optical Imaging Noninvasively Detects Acutely Damaged Muscle. American Journal of Pathology, 2016, 186, 2692-2700.	3.8	5
150	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. Advanced Functional Materials, 2016, 26, 7708-7716.	14.9	163
151	Live demonstration: A Ku-band FMCW synthetic aperture radar transceiver for micro-UAVs. , 2016, , .		4
152	Electromagnetic acoustics towards revolutionary imaging and therapy. , 2016, , .		0
153	Surface acoustic wave RF sensing and actuation for lab-on-a-chip platforms. , 2016, , .		2
154	A high gain decibel-linear programmable gain amplifier of synthetic aperture radar receiver. , 2016, , .		7
155	Morphology-Controlled Synthesis and Electrochemical Characteristics of Fe ₂ O ₃ Nanorods. Nano, 2016, 11, 1630003.	1.0	7
156	THERMOACOUSTIC IMAGING OF FINGER JOINTS AND BONES: A FEASIBILITY STUDY. , 2016, , .		0
157	Ultrasound (US) transducer of higher operating frequency detects photoacoustic (PA) signals due to the contrast in elastic property. AIP Advances, 2016, 6, .	1.3	12
158	L1-optimized linear prediction for light field image compression. , 2016, , .		14
159	Multichannel Time Skew Calibration for Time-Interleaved ADCs Using Clock Signal. Circuits, Systems, and Signal Processing, 2016, 35, 2669-2682.	2.0	6
160	A Fractional-N Counter-Assisted DPLL With Parallel Sampling ILFD. IEEE Journal of Solid-State Circuits, 2016, 51, 1361-1373.	5.4	2
161	Micro-Doppler Photoacoustic Effect and Sensing by Ultrasound Radar. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 152-157.	2.9	21
162	Single-Wavelength Blood Oxygen Saturation Sensing With Combined Optical Absorption and Scattering. IEEE Sensors Journal, 2016, 16, 1943-1948.	4.7	41

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163	A Filter Bank Mismatch Calibration Technique for Frequency-Interleaved ADCs. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3847-3862.	2.0	5
164	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.	3.1	18
165	High resolution three-dimensional photoacoustic imaging of human finger joints <i>in vivo</i> . <i>Applied Physics Letters</i> , 2015, 107, .	3.3	52
166	Two-layer optimized light field display using depth initialization. , 2015, , .		4
167	Area-€detection fibre-€optic system for spatially offset Raman spectroscopy and Raman tomography in reflection mode. <i>Electronics Letters</i> , 2015, 51, 1684-1686.	1.0	2
168	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.	1.3	0
169	FMTPen: A Miniaturized Handheld Fluorescence Molecular Tomography Probe for Image-Guided Cancer Surgery. <i>Photonics</i> , 2015, 2, 279-287.	2.0	4
170	A Statistic-Based Calibration Method for TIADC System. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	7
171	Source follower-€based high-€speed switched capacitor amplifier for pipelined ADCs. <i>Electronics Letters</i> , 2015, 51, 21-23.	1.0	5
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