Huabei Jiang

List of Publications by Year
in descending order

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219	4,147	117625	161849
papers	citations	34 h-index	54 g-index

224	224	224	4969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Perovskite Lightâ€Emitting Diodes Based on Perovskite Nanocrystals with Organicâ€“Inorganic Mixed Cations. Advanced Materials, 2017, 29, 1606405.	21.0	235
2	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. Advanced Functional Materials, 2016, 26, 7708-7716.	14.9	163
3	Contrast Agents for Photoacoustic and Thermoacoustic Imaging: A Review. International Journal of Molecular Sciences, 2014, 15, 23616-23639.	4.1	159
4	Multispectral optoacoustic imaging of dynamic redox correlation and pathophysiological progression utilizing upconversion nanoprobes. Nature Communications, 2019, 10, 1087.	12.8	126
5	Surface engineering of semiconducting polymer nanoparticles for amplified photoacoustic imaging. Biomaterials, 2017, 127, 97-106.	11.4	119
6	Spatially varying optical and acoustic property reconstruction using finite-element-based photoacoustic tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 878.	1.5	93
7	Evaluation of breast tumor margins in vivo with intraoperative photoacoustic imaging. Optics Express, 2012, 20, 8726.	3.4	92
8	A bioinspired analogous nerve towards artificial intelligence. Nature Communications, 2020, 11, 268.	12.8	80
9	Design and evaluation of a hybrid photoacoustic tomography and diffuse optical tomography system for breast cancer detection. Medical Physics, 2012, 39, 2584-2594.	3.0	79
10	Non-invasive imaging of epileptic seizuresin vivousing photoacoustic tomography. Physics in Medicine and Biology, 2008, 53, 1921-1931.	3.0	74
11	Single laser pulse generates dual photoacoustic signals for differential contrast photoacoustic imaging. Scientific Reports, 2017, 7, 626.	3.3	71
12	Wearable 3-D Photoacoustic Tomography for Functional Brain Imaging in Behaving Rats. Scientific Reports, 2016, 6, 25470.	3.3	64
13	AlN-based piezoelectric micromachined ultrasonic transducer for photoacoustic imaging. Applied Physics Letters, 2013, 103, .	3.3	59
14	Noninvasive Electromagnetic Wave Sensing of Glucose. Sensors, 2019, 19, 1151.	3.8	59
15	Coherent Photoacoustic-Ultrasound Correlation and Imaging. IEEE Transactions on Biomedical Engineering, 2014, 61, 2507-2512.	4.2	56
16	Noninvasive High-Speed Photoacoustic Tomography of Cerebral Hemodynamics in Awake-Moving Rats. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1224-1232.	4.3	54
17	Directly printed wearable electronic sensing textiles towards humanâ€“machine interfaces. Journal of Materials Chemistry C, 2018, 6, 12841-12848.	5.5	54
18	High resolution three-dimensional photoacoustic imaging of human finger joints in vivo. Applied Physics Letters, 2015, 107, .	3.3	52

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19	High resolution functional photoacoustic tomography of breast cancer. Medical Physics, 2015, 42, 5321-5328.	3.0	49
20	Convolutional neural network for breast cancer diagnosis using diffuse optical tomography. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 1.	3.7	48
21	Controllably Enhancing Stretchability of Highly Sensitive Fiber-Based Strain Sensors for Intelligent Monitoring. ACS Applied Materials & Interfaces, 2019, 11, 2431-2440.	8.0	47
22	Miniature Endoscope for Multimodal Imaging. ACS Photonics, 2017, 4, 174-180.	6.6	46
23	Thermoacoustic Tomography of In Vivo Human Finger Joints. IEEE Transactions on Biomedical Engineering, 2019, 66, 1598-1608.	4.2	46
24	An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. Advanced Functional Materials, 2021, 31, 2101107.	14.9	46
25	Photoacoustic resonance spectroscopy for biological tissue characterization. Journal of Biomedical Optics, 2014, 19, 067006.	2.6	45
26	Ultrasound-guided microwave imaging of breast cancer: Tissue phantom and pilot clinical experiments. Medical Physics, 2005, 32, 2528-2535.	3.0	42
27	Single-Wavelength Blood Oxygen Saturation Sensing With Combined Optical Absorption and Scattering. IEEE Sensors Journal, 2016, 16, 1943-1948.	4.7	41
28	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
29	Two schemes for quantitative photoacoustic tomography based on Monte Carlo simulation. Medical Physics, 2016, 43, 3987-3997.	3.0	39
30	Haptically Quantifying Young's Modulus of Soft Materials Using a Selfâ€Locked Stretchable Strain Sensor. Advanced Materials, 2022, 34, e2104078.	21.0	39
31	Focusing light through scattering media by reinforced hybrid algorithms. APL Photonics, 2020, 5, .	5.7	38
32	Hierarchically distributed microstructure design of haptic sensors for personalized fingertip mechanosensational manipulation. Materials Horizons, 2018, 5, 920-931.	12.2	37
33	HER-2/neu targeted delivery of a nanoprobe enables dual photoacoustic and fluorescence tomography of ovarian cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 669-677.	3.3	36
34	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
35	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
36	An analytical study of photoacoustic and thermoacoustic generation efficiency towards contrast agent and film design optimization. Photoacoustics, 2017, 7, 1-11.	7.8	35

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37	Artificial intelligence-assisted light control and computational imaging through scattering media. Journal of Innovative Optical Health Sciences, 2019, 12, 1930006.	1.0	32
38	Remarkable In Vivo Nonlinear Photoacoustic Imaging Based on Near-Infrared Organic Dyes. Small, 2016, 12, 5239-5244.	10.0	31
39	A Self-Powered Power Conditioning IC for Piezoelectric Energy Harvesting From Short-Duration Vibrations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 578-582.	3.0	30
40	MEMS Ultrasound Transducers for Endoscopic Photoacoustic Imaging Applications. Micromachines, 2020, 11, 928.	2.9	30
41	Wideband Gain Enhancement of a Dual-Polarized MIMO Vehicular Antenna. IEEE Transactions on Vehicular Technology, 2021, 70, 7897-7907.	6.3	30
42	Pre-seizure state identified by diffuse optical tomography. Scientific Reports, 2014, 4, 3798.	3.3	29
43	Photoacoustic computed microscopy. Scientific Reports, 2014, 4, 4960.	3.3	29
44	Photoacoustic imaging of hemodynamic changes in forearm skeletal muscle during cuff occlusion. Biomedical Optics Express, 2020, 11, 4560.	2.9	29
45	A 13.5â€“19 GHz 20.6-dB Gain CMOS Power Amplifier for FMCW Radar Application. IEEE Microwave and Wireless Components Letters, 2017, 27, 377-379.	3.2	28
46	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
47	Wideband Gain Enhancement of High-Isolation Fabryâ€“PÃ©rot Antenna Array With Tandem Circular Parasitic Patches and Radial Gradient PRS. IEEE Transactions on Antennas and Propagation, 2021, 69, 7959-7964.	5.1	28
48	Noninvasive real time tomographic imaging of epileptic foci and networks. NeuroImage, 2013, 66, 240-248.	4.2	27
49	Wearable scanning photoacoustic brain imaging in behaving rats. Journal of Biophotonics, 2016, 9, 570-575.	2.3	27
50	Seed-Mediated Synthesis of Tunable-Aspect-Ratio Gold Nanorods for Near-Infrared Photoacoustic Imaging. Nanoscale Research Letters, 2018, 13, 313.	5.7	27
51	Ka -Band Symmetric V-Shaped Meander-Line Slow Wave Structure. IEEE Transactions on Plasma Science, 2019, 47, 4650-4657.	1.3	27
52	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
53	Electrical circuit modeling and analysis of microwave acoustic interaction with biological tissues. Medical Physics, 2014, 41, 053302.	3.0	25
54	Technical Note: Design of a handheld dipole antenna for a compact thermoacoustic imaging system. Medical Physics, 2019, 46, 851-856.	3.0	24

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55	Photoacoustic assessment of hemodynamic changes in foot vessels. Journal of Biophotonics, 2019, 12, e201900004.	2.3	23
56	Detecting hemodynamic changes in the foot vessels of diabetic patients by photoacoustic tomography. Journal of Biophotonics, 2020, 13, e202000011.	2.3	23
57	Largeâ€Scale Huygensâ€™ Metasurfaces for Holographic 3D Nearâ€Eye Displays. Laser and Photonics Reviews, 2021, 15, 2000538.	8.7	23
58	Wideband Gain Enhancement of an AMC Cavity-Backed Dual-Polarized Antenna. IEEE Transactions on Vehicular Technology, 2021, 70, 12703-12712.	6.3	23
59	A Ceramic PZT-Based PMUT Array for Endoscopic Photoacoustic Imaging. Journal of Microelectromechanical Systems, 2020, 29, 1038-1043.	2.5	22
60	C-scan photoacoustic microscopy for invivo imaging of Drosophila pupae. Applied Physics Letters, 2012, 101, 013702.	3.3	21
61	Ring Oscillator Based Injection Locked Frequency Divider Using Dual Injection Paths. IEEE Microwave and Wireless Components Letters, 2015, 25, 322-324.	3.2	21
62	Micro-Doppler Photoacoustic Effect and Sensing by Ultrasound Radar. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 152-157.	2.9	21
63	Fast noninvasive functional diffuse optical tomography for brain imaging. Journal of Biophotonics, 2018, 11, e201600267.	2.3	21
64	â€œGuide Starâ€•Assisted Noninvasive Photoacoustic Measurement of Glucose. ACS Sensors, 2018, 3, 2550-2557.	7.8	21
65	Bandstop Frequency-Selective Structures Based on Stepped-Impedance Loop Resonators: Design, Analysis, and Measurement. IEEE Transactions on Antennas and Propagation, 2019, 67, 1053-1064.	5.1	21
66	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
67	Improved Design of the Vivaldi Dielectric Notch Radiator With Etched Slots and a Parasitic Patch. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1064-1068.	4.0	19
68	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
69	A Low-Power and Highly Linear 14-bit Parallel Sampling TDC With Power Gating and DEM in 65-nm CMOS. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 1083-1091.	3.1	18
70	Technical Note: Antiâ€phase microwave illuminationâ€based thermoacoustic tomography of inÂvivo human finger joints. Medical Physics, 2019, 46, 2363-2369.	3.0	18
71	A 3.54 nJ/bit-RX, 0.671 nJ/bit-TX Burst Mode Super-Regenerative UWB Transceiver<newline/> in 0.18-<formula formulatype="inline"><tex Notation="TeX">$mu{m m}$</tex></formula> CMOS. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2473-2481.	5.4	17
72	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

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73	Electromagneticâ€“Acoustic Sensing for Biomedical Applications. Sensors, 2018, 18, 3203.	3.8	17
74	Development of Dual-Frequency PMUT Arrays Based on Thin Ceramic PZT for Endoscopic Photoacoustic Imaging. Journal of Microelectromechanical Systems, 2021, 30, 770-782.	2.5	17
75	Towards real-time detection of seizures in awake rats with GPU-accelerated diffuse optical tomography. Journal of Neuroscience Methods, 2015, 240, 28-36.	2.5	16
76	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
77	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
78	Photoacoustic Resonance Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	15
79	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
80	Glaucoma screening using an attention-guided stereo ensemble network. Methods, 2022, 202, 14-21.	3.8	15
81	Photoacoustic imaging for the evaluation of early tumor response to antivascular treatment. Quantitative Imaging in Medicine and Surgery, 2019, 9, 160-170.	2.0	15
82	L1-optimized linear prediction for light field image compression. , 2016, , .		14
83	Effect of sintered temperature on structural and piezoelectric properties of barium titanate ceramic prepared by nano-scale precursors. Journal of Materials Science: Materials in Electronics, 2017, 28, 9322-9327.	2.2	14
84	A 16-mW 1-GS/s With 49.6-dB SNDR TI-SAR ADC for Software-Defined Radio in 65-nm CMOS. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 572-583.	3.1	14
85	Design and Fabrication of a Piezoelectric Micromachined Ultrasonic Transducer Array Based on Ceramic PZT. , 2018, , .		14
86	A statistic based time skew calibration method for time-interleaved ADCs. , 2014, , .		13
87	Concave structure of Cu₂O truncated microcubes: PVP assisted {100} facet etching and improved facet-dependent photocatalytic properties. CrystEngComm, 2018, 20, 6580-6588.	2.6	13
88	A Broadband Resonant Noise Matching Technique for Piezoelectric Ultrasound Transducers. IEEE Sensors Journal, 2020, 20, 4290-4299.	4.7	13
89	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
90	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

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91	Phase-domain photoacoustic sensing. Applied Physics Letters, 2017, 110, .	3.3	12
92	Adaptive Photoacoustic Sensing Using Matched Filter. , 2017, 1, 1-3.		12
93	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
94	A 600-mA, Fast-Transient Low-Dropout Regulator With Pseudo-ESR Technique in 0.18-mu m CMOS Process. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 403-413.	3.1	12
95	Inâ€vivo hemodynamic imaging of acute prenatal ethanol exposure in fetal brain by photoacoustic tomography. Journal of Biophotonics, 2020, 13, e201960161.	2.3	12
96	Facile synthesis of ring-like Î±-Fe2O3 assembly composed of small hematite particles for highly efficient photocatalysis. Journal of Materials Science: Materials in Electronics, 2018, 29, 2610-2617.	2.2	11
97	Portable photoacoustic system for noninvasive blood temperature measurement. , 2018, , .		11
98	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
99	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
100	Thermoacoustic tomography of germinal matrix hemorrhage in neonatal mouse cerebrum. Journal of X-Ray Science and Technology, 2020, 28, 83-93.	1.0	11
101	Assessment of liver function reserve by photoacoustic tomography: a feasibility study. Biomedical Optics Express, 2020, 11, 3985.	2.9	11
102	Self-assembled semiconducting polymer based hybrid nanoagents for synergistic tumor treatment. Biomaterials, 2021, 279, 121188.	11.4	11
103	Computer-aided classification of optical images for diagnosis of osteoarthritis in the finger joints. Journal of X-Ray Science and Technology, 2011, 19, 531-544.	1.0	10
104	Design of 1.94-GHz CMOS Noise-Cancellation VCO. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 368-374.	4.6	10
105	MoirÃ©-reduction method for slanted-lenticular-based quasi-three-dimensional displays. Optics Communications, 2016, 381, 314-322.	2.1	10
106	A High-Speed 2-bit/Cycle SAR ADC With Time-Domain Quantization. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 2175-2179.	3.1	10
107	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
108	Pre-migration: A General Extension for Photoacoustic Imaging Reconstruction. IEEE Transactions on Computational Imaging, 2020, 6, 1097-1105.	4.4	10

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109	A Multi-Frequency pMUT Array Based on Ceramic PZT for Endoscopic Photoacoustic Imaging. , 2021, , .		10
110	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. Journal of Neuroscience Methods, 2014, 227, 18-28.	2.5	9
111	Efficient directional and L1-optimized intra-prediction for light field image compression. , 2017, , .		9
112	Synthesis and evolution of Î±-Fe2O3 nanorods for enhanced visible-light-driven photocatalysis. Journal of Materials Science, 2018, 53, 15850-15858.	3.7	9
113	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
114	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
115	Enhanced piezoelectric performance of multi-layered flexible polyvinylidene fluorideâ€“BaTiO3â€“rGO films for monitoring human body motions. Journal of Materials Science: Materials in Electronics, 2022, 33, 4291-4304.	2.2	9
116	Photoacoustic imaging of acupuncture effect in small animals. Biomedical Optics Express, 2015, 6, 433.	2.9	8
117	Focused Magnetic Resonance Coupling Coils for Electromagnetic Therapy Applications. IEEE Transactions on Biomedical Engineering, 2015, 62, 2602-2610.	4.2	8
118	A spatio-temporal multiplexing multi-view display using a lenticular lens and a beam steering screen. Optics Communications, 2018, 420, 168-173.	2.1	8
119	A low power interference robust IR-UWB transceiver SoC for WBAN applications. , 2012, , .		7
120	Analysis and design of high performance frequency-interleaved ADC. , 2013, , .		7
121	A Statistic-Based Calibration Method for TIADC System. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	7
122	A novel detachable head-mounted device for simultaneous EEG and photoacoustic monitoring of epilepsy in freely moving rats. Neuroscience Research, 2015, 91, 57-62.	1.9	7
123	A high gain decibel-linear programmable gain amplifier of synthetic aperture radar receiver. , 2016, , .		7
124	Morphology-Controlled Synthesis and Electrochemical Characteristics of Fe2O3 Nanorods. Nano, 2016, 11, 1630003.	1.0	7
125	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
126	A Piezoelectric MEMS Loud Speaker Based on Ceramic PZT. , 2019, , .		7

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127	Precision Improvement of Power-Efficient Capacitive Senor Readout Circuit Using Multi-Nested Clocks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2578-2587.	5.4	7
128	PEGylated gold nanorods with a broad absorption band in the first near-infrared window for in vivo multifunctional photoacoustic imaging. RSC Advances, 2020, 10, 4561-4567.	3.6	7
129	High Power Angular Radial Staggered Vane Backward Wave Oscillator at W-Band. IEEE Electron Device Letters, 2020, 41, 765-768.	3.9	7
130	First assessment of thermoacoustic tomography for in vivo detection of rheumatoid arthritis in the finger joints detection of rheumatoid arthritis in the finger joints. Medical Physics, 2021, , .	3.0	7
131	A high-impedance dual-mode SAW resonator for ultra low power and high data rate FSK modulator. Sensors and Actuators A: Physical, 2014, 220, 188-193.	4.1	6
132	Multichannel Time Skew Calibration for Time-Interleaved ADCs Using Clock Signal. Circuits, Systems, and Signal Processing, 2016, 35, 2669-2682.	2.0	6
133	Monocrystalline hematite nanostructures: three-dimensionally oriented aggregation synthesis and their comparative visible-light photocatalytic activities. CrystEngComm, 2017, 19, 1926-1932.	2.6	6
134	A 10-bit 300 MS/s 5.8 mW SAR ADC With Two-Stage Interpolation for PET Imaging. IEEE Sensors Journal, 2018, 18, 2006-2014.	4.7	6
135	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
136	Source followerâ€based highâ€speed switched capacitor amplifier for pipelined ADCs. Electronics Letters, 2015, 51, 21-23.	1.0	5
137	Near-Infrared Optical Imaging Noninvasively Detects Acutely Damaged Muscle. American Journal of Pathology, 2016, 186, 2692-2700.	3.8	5
138	A Filter Bank Mismatch Calibration Technique for Frequency-Interleaved ADCs. Circuits, Systems, and Signal Processing, 2016, 35, 3847-3862.	2.0	5
139	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
140	Continuous wave laser excitation based portable optoacoustic imaging system for melanoma detection. , 2019, , .		5
141	In Vivo Evaluation of a Miniaturized Fluorescence Molecular Tomography (FMT) Endoscope for Breast Cancer Detection Using Targeted Nanoprobes. International Journal of Molecular Sciences, 2020, 21, 9389.	4.1	5
142	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
143	Photoacoustic Microscopy Imaging from Acoustic Resolution to Optical Resolution Enhancement with Deep Learning. , 2021, , .		5
144	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

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145	State-dependent vector hybrid linear and nonlinear ARMA modeling: Theory. Circuits, Systems, and Signal Processing, 2001, 20, 551-574.	2.0	4
146	Two-layer optimized light field display using depth initialization. , 2015, , .		4
147	FMTPen: A Miniaturized Handheld Fluorescence Molecular Tomography Probe for Image-Guided Cancer Surgery. Photonics, 2015, 2, 279-287.	2.0	4
148	Live demonstration: A Ku-band FMCW synthetic aperture radar transceiver for micro-UAVs. , 2016, , .		4
149	A compact and lightweight off-axis lightguide prism in near to eye display. Optics Communications, 2017, 393, 143-151.	2.1	4
150	A 0.9â€“2.6 GHz Cognitive Radio Receiver With Spread Spectrum Frequency Synthesizer for Spectrum Sensing. IEEE Sensors Journal, 2017, 17, 7569-7577.	4.7	4
151	Investigation and Study for Rail Internal-Flaw Inspection Technique. , 2018, , .		4
152	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
153	A fourâ€way broadband filtering power divider with improved matching network for Xâ€band application. Microwave and Optical Technology Letters, 2019, 61, 2155-2160.	1.4	4
154	Compact Broadband Four-Port MIMO Antenna for 5G and IoT Applications. , 2019, , .		4
155	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. ACS Applied Materials & Interfaces, 2019, 11, 4867-4875.	8.0	4
156	Cu2O concave hexapod microcrystals: selective facet etching and highly improved photocatalytic performance. Journal of Materials Science, 2019, 54, 2876-2884.	3.7	4
157	Partial Discharge Detection Based on Long Short-Term Memory Neural Network Classifier with Efficient Feature Extraction Methods. , 2021, , .		4
158	A broadband, high isolation millimeter-wave CMOS power amplifier using a transformer and transmission line matching topology. Analog Integrated Circuits and Signal Processing, 2014, 81, 537-547.	1.4	3
159	Targeted Molecular Imaging of Pancreatic Cancer with a Miniature Endoscope. Applied Sciences (Switzerland), 2017, 7, 1241.	2.5	3
160	Wireless Power Transfer and Thermoacoustic Generation Applied in Rail. , 2018, , .		3
161	Noninvasive Glucose Measurement by Microwave Biosensor with Accuracy Enhancement. , 2018, , .		3
162	Portable Photoacoustic Sensor for Noninvasive Glucose Monitoring. , 2019, , .		3

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163	Resolution enhancement of near-eye displays by overlapping images. Optics Communications, 2020, 458, 124723.	2.1	3
164	In vivo liver thermoacoustic imaging and demonstration based on localization wire. Medical Physics, 2021, 48, 1608-1615.	3.0	3
165	Neuroimaging of depression with diffuse optical tomography during repetitive transcranial magnetic stimulation. Scientific Reports, 2021, 11, 7328.	3.3	3
166	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
167	A chopper stabilized instrumentation amplifier with dual DC cancellation servo loops for biomedicai applications. , 2012, , .		2
168	A 0.8-Î¼W window SAR ADC with offset cancellation for digital DCâ€“DC converters. Analog Integrated Circuits and Signal Processing, 2012, 70, 133-139.	1.4	2
169	Microwave-acoustic correlated imaging and circuit modelling of biological tissues. , 2013, , .		2
170	Design of a wideband low power FMCW synthesizer in 65 nm CMOS for radar applications. , 2014, , .		2
171	Areaâ€detection fibreâ€optic system for spatially offset Raman spectroscopy and Raman tomography in reflection mode. Electronics Letters, 2015, 51, 1684-1686.	1.0	2
172	A digital time skew calibration technique for time-interleaved ADCs. , 2015, , .		2
173	Surface acoustic wave RF sensing and actuation for lab-on-a-chip platforms. , 2016, , .		2
174	A Fractional-N Counter-Assisted DPLL With Parallel Sampling ILFD. IEEE Journal of Solid-State Circuits, 2016, 51, 1361-1373.	5.4	2
175	Three-dimensional reconstruction for photon counting imaging using a planar catadioptric method. , 2017, , .		2
176	A Compressed Sensing Based Miniaturized Photoacoustic Imaging System. , 2018, , .		2
177	An improved method for quantitative recovery of conductivity using tomographically measured thermoacoustic data. Journal of X-Ray Science and Technology, 2020, 28, 137-145.	1.0	2
178	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
179	Reflection mode photoacoustic/thermoacoustic dual modality imaging based on hollow concave array. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 100701.	0.5	2
180	Thermoacoustic assessment of hematocrit changes in human forearms*. Chinese Physics B, 2021, 30, 094302.	1.4	2

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181	In vivo Monitoring Hemodynamic Changes in Finger Vessels Using Photoacoustic Tomography. , 2020, , .		2
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