

Lijun Xu

List of PR Articles by Year in descending order

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264

PR articles

4,365

PR citations

103993

32

PR h-index

89038

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5323

doc citations

97729

35

h-index

3977

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Depth range extended digital holography for precise 3D profile imaging via dual frequency interval sweeping. Measurement: Journal of the International Measurement Confederation, 2025, 241, 115710.	4.9	4
2	A probability density functions convolution based analytical detection probability model for LiDAR with pulse peak discriminator. Measurement: Journal of the International Measurement Confederation, 2025, 242, 115904.	4.9	3
3	Mixing-Space Magnetic Particle Imaging. IEEE Transactions on Instrumentation and Measurement, 2025, 74, 1-9.	3.8	6
4	Adaptive Beamforming and Multiwave Fusion for Precise Laser Ultrasound-Based Nondestructive Evaluation. IEEE Transactions on Instrumentation and Measurement, 2025, 74, 1-9.	3.8	6
5	Signal flux and time-of-flight estimation based on waveform optimization for single-photon LiDAR. Measurement: Journal of the International Measurement Confederation, 2025, 242, 116239.	4.9	5
6	An EMAT Guided Wave Tomography System for Gas-Liquid Two-Phase Flow Imaging. IEEE Transactions on Instrumentation and Measurement, 2025, 74, 1-9.	3.8	0
7	An Analog Lock-In Amplifier Based on Synchronous I/Q Demodulation for Capacitance Measurement. IEEE Transactions on Instrumentation and Measurement, 2025, 74, 1-12.	3.8	0
8	Dynamic imaging of three-dimensional temperature field via three-directional wavelength modulated lateral shearing interferometry. Optics and Lasers in Engineering, 2024, 172, 107835.	3.7	8
9	Stack-Layer Dual-Frequency Ultrasound Array With Ground Shielding for Super-Harmonic Imaging. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-8.	3.8	6
10	Sparse-Representation-Based Image Reconstruction for Magnetic Particle Imaging. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-9.	3.8	7
11	Three-Dimensional Parametric Imaging of Bladder by Single-Layered EIT Sensor With Simultaneous Position and Shape Constraints. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	2
12	An Adaptive Beam-Steering-Distortion-Compensated TDLAS Method for Precise and Robust Temperature Measurement. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	7
13	Laser Beam Optimization for TDLAS Tomography From Asymptotic Point Spread Functions. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	4
14	Quantitative ultrasound parameters from scattering and propagation may reduce the biopsy rate for breast tumor. Ultrasonics, 2024, 138, 107233.	3.7	8
15	Image Reconstruction in Open-EIT by Combining Inversion Mapping and Sparse Contour Representation. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-9.	3.8	4
16	A Defects Detection Method of Buried Liquid-Filled Pipes Based on $T(0,1)$ Guided Waves. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-12.	3.8	7
17	A Traffic Sign Classification Method Using LiDAR Corrected Intensity and Geometric Feature. IEEE Sensors Journal, 2024, 24, 11796-11804.	3.7	5
18	Ultrasound transducers with both imaging and power output capabilities by anti-matching at backing layers. Applied Physics Letters, 2024, 124, .	3.1	7

#	ARTICLE	IF	PR CITATIONS
19	A module-level pipeline based Gauss-Newton online ranging method for High-Repetition-Frequency full-waveform LIDAR. Measurement: Journal of the International Measurement Confederation, 2024, 229, 114351.	4.9	6
20	Simultaneous Quantitative Imaging of Temperature and H ₂ O/CH ₄ Concentration by Using LAS-Fused Nd-YAG Laser-Induced Fluorescence. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	0
21	Multiple species imaging from CFD fused H ₂ O absorption spectral tomography and transfer learning. Measurement Science and Technology, 2024, 35, 065404.	3.1	3
22	Image Reconstruction for Magnetic Particle Imaging Based on Sparse Representation and Deep Learning. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-9.	3.8	12
23	Dynamic Cross-Sectional Temperature Imaging From LAS Labeled Electrical Tomography. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	0
24	Beam-steering-effect immune laser absorption spectrum extraction for precise and robust temperature measurement. Measurement: Journal of the International Measurement Confederation, 2024, 231, 114549.	4.9	9
25	High-Precision Temperature Measurement Using Frequency-Division Multiplexing Laser Dispersion Spectroscopy for Dynamic Combustion Monitoring. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-8.	3.8	4
26	Robust Temperature and Gas Concentration Imaging by LAS Tomography With Adaptive Basis Function Fitting and Artifact Removal. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	6
27	Transient 3-D Temperature Imaging From Multiwavelength Lateral Shearing Interferograms. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	1
28	A Hybrid Denoising Method for Electromagnetic Acoustic Detection. IEEE Sensors Journal, 2024, 24, 25523-25530.	3.7	8
29	Simultaneous Measurement of Conductivity and Diameter of an Infinite Length Metallic Rod Using the Phase Signature of Induced Eddy Current. IEEE Sensors Journal, 2024, 24, 25891-25899.	3.7	5
30	Precise Gas Temperature Measurement Using a Single Dual-Wavelength Mode-Locked Fiber Laser. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	5
31	Dual-Orientation Fusion of Dual-Frequency Ultrashort Ultrasound Pulses for Super-Resolution Imaging. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	1
32	High-Resolution TDLAS Tomography of Gaseous Temperature and H ₂ O Concentration in Steady Flames. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	6
33	Precise Velocity Measurement by Using Even-Symmetric 2f/1f Harmonics Extracted From Up- and Down-Scanning WMS Signal. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	7
34	Line-of-Sight Temperature Profile Reconstruction of Axisymmetric Laminar Flame by Multispectral Dispersion Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-8.	3.8	0
35	Measurement of Gas Fraction in Gas-Liquid Dispersed Bubbly Flow With EMAT Array and EIT Sensor. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-10.	3.8	2
36	Gas-Liquid Two-Phase Flow Measurement With Throat-Extended Venturi Meter Based on Differential Pressure Ratios and Fluctuations. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-9.	3.8	8

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37	Modeling and Characterization of LiDAR Echo-Waveforms in Fog With Experiment Validations. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-11.	3.8	2
38	An Eddy Current Testing Method for Thickness and Conductivity Measurement of Non-Magnetic Material. IEEE Sensors Journal, 2023, 23, 4445-4454.	3.7	23
39	Conductivity estimation of non-magnetic materials using eddy current method. Nondestructive Testing and Evaluation, 2023, 38, 130-146.	3.1	26
40	Radial Basis Function Coupled SART Method for Dynamic LAS Tomography. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	9
41	Comparison of Transverse With Axial Excitation Modes Cross Correlation Flowmeters in High Water-Cut Oil-Water Flow Measurement. IEEE Sensors Journal, 2023, 23, 2336-2345.	3.7	5
42	Distribution Retrieval of Both Depth and Reflectivity in 3-D Objects via Using Modulated Single Pixel Imaging. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	4
43	Modified Levenberg-Marquardt Inversion for High-Resolution Resistivity Distribution Reconstruction of Multilayered Formation. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	5
44	Axial Super-Resolution Ultrasound Imaging With Quasi-Monopolar Pulses From a Dual-Frequency Transducer. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	13
45	A Compact In Situ Ranging LiDAR and Performance Evaluation. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	6
46	Single Spectral Line Method for TDLAS Imaging of Temperature and Water Vapor Concentration. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	7
47	Noise Immune Absorption Profile Extraction for the TDLAS Thermometry Sensor by Using an FMCW Interferometer. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	9
48	Decoupling Conductivity and Permeability Using Sweep-Frequency Eddy Current Method. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	11
49	Conductivity Measurement of Solid Metal Rods Using High-Frequency Eddy Current Method. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	14
50	An FPGA-based dual-wavelength correlated imaging system with flexible frame rates for temperature distributions. Measurement Science and Technology, 2023, 34, 084009.	3.1	0
51	Bladder Volume Estimation Using 3-D Electrical Impedance Tomography Based on Fringe Field Sensing. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	3
52	Conductivity and Side-Length Measurement of Square Metallic Plates With Finite Dimension Based on Eddy Current Method. IEEE Sensors Journal, 2023, 23, 12953-12962.	3.7	2
53	A Comprehensive Noise Model for Wideband and High Frame Rate Electrical Impedance Tomography Systems. IEEE Sensors Journal, 2023, 23, 14253-14263.	3.7	4
54	Multifocus Image Reconstruction and Fusion for 3-D Flow Visualization Using an Optimized Four-Plane ECT Sensor. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	3.8	5

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55	Adaptive Group-Based Sparse Representation for Image Reconstruction in Electrical Capacitance Tomography. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	3.8	8
56	Measurement of Lift-Off Distance and Thickness of Nonmagnetic Metallic Plate Using Pulsed Eddy Current Testing. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	16
57	Quantitative Imaging of Temperature and OH Concentration From Single Wavelength Planar Laser-Induced Fluorescence. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	3.8	6
58	A Binary Valued Reconstruction Algorithm for Discrete TDLAS Tomography of Dynamic Flames. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	3.8	12
59	Bias-Immune Absorption Spectrum Extraction by Downsampling the Wavelength Modulation Laser Signal for Precise Measurement of Dynamic Gas Temperature. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	3.8	8
60	Measurement of Transient Flash Evaporation Flow in Liquefied Gas Propulsion Using Dual-Plane ECT. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	3.8	2
61	Perspectives on instrumentation development for chemical species tomography in reactive-flow diagnosis. Measurement Science and Technology, 2023, 34, 121002.	3.1	9
62	Parameter Fitting-Based Fast Imaging of Axisymmetric Flame Temperature Field Using Wavelength-Modulated Lateral Shearing Interferometry. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	3.8	4
63	<i>Controlled Calderón's Method for Triple-Valued Electrical Capacitance Tomography.</i> IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	3.8	1
64	A Novel Noncontact Method for Phase Interface Measurement in Liquid-Filled Pipe Using Leaky L(0,2) Wave. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	3.8	5
65	Image Reconstruction in Electrical Capacitance Tomography Using ROI-Shrinkage Adaptive Block Sparse Bayesian Learning. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	3.8	5
66	Recent advances and future outlook in mode-locked lasers with multimode fibers. Applied Physics Reviews, 2023, 10, .	10.4	24
67	A Robust Deconvolution Method of Airborne LiDAR Waveforms for Dense Point Clouds Generation in Forest. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.4	8
68	A Modified Adaptive Cross Correlation Method for Flow Rate Measurement of High-Water-Cut Oil-Water Flow Using Planar Flowmeter. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	3.8	5
69	Development of a Wearable Gesture Recognition System Based on Two-Terminal Electrical Impedance Tomography. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2515-2523.	5.4	25
70	A Modified Noise Model of Electrical Impedance Tomography System by Considering Colored Noises. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	3.8	9
71	Time-Division-Multiplexed Online Gauss-Newton-Based Multi-Echo Decomposition Method for Real-Time <i>In-Situ</i> Laser Ranging. IEEE Sensors Journal, 2022, 22, 4152-4163.	3.7	5
72	A Fabry-Perot Fiber-Optic Array for Photoacoustic Imaging. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	3.8	18

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73	B-Spline Based Progressive Decomposition of LiDAR Waveform With Low SNR. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	3.8	6
74	Sparse Zernike Fitting for Dynamic LAS Tomographic Images of Temperature and Water Vapor Concentration. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	3.8	14
75	Functionalized Macrophage Exosomes with Panobinostat and PPM1D siRNA for Diffuse Intrinsic Pontine Gliomas Therapy. Advanced Science, 2022, 9, .	12.7	78
76	A Novel Conductivity Measurement Method for Non-Magnetic Materials Based on Sweep-Frequency Eddy Current Method. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	3.8	36
77	Optical ultrasound sensing for biomedical imaging. Measurement: Journal of the International Measurement Confederation, 2022, 200, 111620.	4.9	15
78	Damped Gauss-Newton based online ranging for point extraction from low SNR and high overlapping waveforms. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111479.	4.9	23
79	Experimental Investigation on Self-Excited Thermoacoustic Instability in a Rijke Tube. Applied Sciences (Switzerland), 2022, 12, 8046.	2.2	8
80	Gas Temperature Measurement by Aligning Absorption Spectroscopy of Dual-Phase -Unlocked Optical Combs. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	3.8	6
81	Optimal Absorption Lines Selection for Gas Temperature Measurement by Using Two-Color Laser Absorption Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	3.8	15
82	TDLAS Tomography System for Online Imaging and Dynamic Process Playback of Temperature and Gas Mole Fraction. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	3.8	9
83	A Novel Eddy Current Method for Defect Detection Immune to Lift-Off. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	3.8	26
84	Investigation of Bladder Volume Measurement Based on Fringe Effect of Electrical Impedance Tomography Sensors. , 2022, 1, 1-10.		8
85	Fast and Calibration-Free Temperature Imaging of Dynamic Flames via Wavelength Modulated Lateral Shearing Interferometry. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	3.8	95
86	Simultaneous Shape and Permittivity Reconstruction in ECT With Sparse Representation: Two-Phase Distribution Imaging. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	3.8	20
87	Real-Time In-Situ Laser Ranging via Back Propagation Neural Network on FPGA. IEEE Sensors Journal, 2021, 21, 4664-4673.	3.7	8
88	Deep Image Refinement Method by Hybrid Training With Images of Varied Quality in Electrical Capacitance Tomography. IEEE Sensors Journal, 2021, 21, 6342-6355.	3.7	20
89	Super-Resolution Ultrasound Lamb Wave NDE Imaging of Anisotropic Airplane Laminates via Deconvolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	3.8	11
90	Image Reconstruction Based on Fuzzy Adaptive Kalman Filter in Electrical Capacitance Tomography. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	3.8	11

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91	A Concurrent Plantar Stress Sensing and Energy Harvesting Technique by Piezoelectric Insole Device and Rectifying Circuitry. IEEE Sensors Journal, 2021, 21, 26364-26372.	3.7	12
92	A Piezoelectric Force Sensing and Gesture Monitoring-Based Technique for Acupuncture Quantification. IEEE Sensors Journal, 2021, 21, 26337-26344.	3.7	8
93	Noise Immune TDLAS Temperature Measurement Through Spectrum Shifting by Using a Mach-Zehnder Interferometer. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	3.8	18
94	Revised Calderon Method of Annular ECT for Imaging Flashback Flame of a Bluff-Body Burner. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	3.8	8
95	A Machine-Learning-Based Touch Orientation Detection Method for Piezoelectric Touch Sensing in Noisy Environment. IEEE Sensors Journal, 2021, 21, 26373-26381.	3.7	7
96	A Fuzzy PID-Controlled Iterative Calderon's Method for Binary Distribution in Electrical Capacitance Tomography. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	3.8	12
97	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. Small, 2021, 17, .	11.5	221
98	Precise wide-band electrical impedance spectroscopy measurement via an ADC operated below the Nyquist sampling rate. Measurement: Journal of the International Measurement Confederation, 2021, 174, 108995.	4.9	5
99	Online Multi-Target Laser Ranging Using Waveform Decomposition on FPGA. IEEE Sensors Journal, 2021, 21, 10879-10889.	3.7	16
100	Ultra-Low Sampled and High Precision TDLAS Thermometry Via Artificial Neural Network. IEEE Photonics Journal, 2021, 13, 1-9.	1.8	9
101	A multi-target on-line ranging method based on matrix sparsification and a division-free Gauss-Jordan solver. Measurement Science and Technology, 2021, 32, 095207.	3.1	5
102	Biomedical Applications of Electromagnetic Detection: A Brief Review. Biosensors, 2021, 11, 225.	5.0	30
103	Soft and plasmonic hydrogel optical probe for glucose monitoring. Nanophotonics, 2021, 10, 3549-3558.	6.2	39
104	Retrieval of Phase and Temperature Distributions in Axisymmetric Flames From Phase-Modulated Large Lateral Shearing Interferogram. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	3.8	9
105	Real-Time 3-D Imaging and Velocity Measurement of Two-Phase Flow Using a Twin-Plane ECT Sensor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	3.8	25
106	An FPGA-Based On-Chip Neural Network for TDLAS Tomography in Dynamic Flames. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	3.8	25
107	3-D Image Reconstruction in Planar Array ECT by Combining Depth Estimation and Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	3.8	33
108	Airborne LiDAR: state-of-the-art of system design, technology and application. Measurement Science and Technology, 2021, 32, 032002.	3.1	60

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109	Flexible and Wearable EMG and PSD Sensors Enabled Locomotion Mode Recognition for IoHT-Based In-Home Rehabilitation. <i>IEEE Sensors Journal</i> , 2021, 21, 26311-26319.	3.7	48
110	Corn Seedling Monitoring Using 3-D Point Cloud Data From Terrestrial Laser Scanning and Registered Camera Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 137-141.	3.3	6
111	Effects of water vapor addition on NO reduction of <i>n</i> -decane/air flames. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 1526-1540.	1.8	6
112	A new simplified mechanism for combustion of RP-3/Jet-A kerosene. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 676-687.	1.8	4
113	Spectrum enhanced colour ultrasound (SECU) imaging. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 154, 107401.	4.9	14
114	Dynamic measurement of gas volume fraction in a CO ₂ pipeline through capacitive sensing and data driven modelling. <i>International Journal of Greenhouse Gas Control</i> , 2020, 94, 102950.	5.1	18
115	A Compact Laser Absorption Spectroscopy Tomographic System With Short Spectral Scanning Time and Adjustable Frame Rate. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 8226-8237.	3.8	31
116	Edge Effect Analysis and Edge Defect Detection of Titanium Alloy Based on Eddy Current Testing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8796.	2.2	22
117	Dynamic flashback induced by sound wave in a premixed bluff-body stabilized flame. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 546, 042019.	0.4	0
118	A WMS Based TDLAS Tomographic System for Distribution Retrievals of Both Gas Concentration and Temperature in Dynamic Flames. <i>IEEE Sensors Journal</i> , 2020, 20, 4179-4188.	3.7	60
119	Ensemble Learning-Based Technique for Force Classifications in Piezoelectric Touch Panels. <i>IEEE Sensors Journal</i> , 2020, , 1-1.	3.7	4
120	Frequency-Division Multiplexing and Main Peak Scanning WMS Method for TDLAS Tomography in Flame Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 9087-9096.	3.8	95
121	Review on wavelength-tunable pulsed fiber lasers based on 2D materials. <i>Optics and Laser Technology</i> , 2020, 131, 106375.	4.9	63
122	Online Gauss-Newton-Based Parallel-Pipeline Method for Real-Time <i>In-Situ</i> Laser Ranging. <i>IEEE Sensors Journal</i> , 2020, 20, 7087-7096.	3.7	13
123	A lamination-based piezoelectric insole gait analysis system for massive production for Internet-of-health things. <i>International Journal of Distributed Sensor Networks</i> , 2020, 16, 155014772090543.	2.1	13
124	A force-voltage responsivity stabilization method for piezoelectric-based insole gait analysis for high detection accuracy in health monitoring. <i>International Journal of Distributed Sensor Networks</i> , 2020, 16, 155014772090544.	2.1	10
125	A Touch Orientation Classification-Based Force-Voltage Responsivity Stabilization Method for Piezoelectric Force Sensing in Interactive Displays. <i>IEEE Sensors Journal</i> , 2020, 20, 8147-8154.	3.7	17
126	Solution-processed two-dimensional materials for ultrafast fiber lasers (invited). <i>Nanophotonics</i> , 2020, 9, 2169-2189.	6.2	48

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127	High Security User Authentication Enabled by Piezoelectric Keystroke Dynamics and Machine Learning. IEEE Sensors Journal, 2020, 20, 13037-13046.	3.7	27
128	Inverse Radon Method Based on Electrical Field Lines for Dual-Modality Electrical Tomography. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8250-8260.	3.8	16
129	A PVDF/Au/PEN Multifunctional Flexible Human-Machine Interface for Multidimensional Sensing and Energy Harvesting for the Internet of Things. IEEE Sensors Journal, 2020, 20, 7556-7568.	3.7	35
130	Permittivity Reconstruction in Electrical Capacitance Tomography Based on Visual Representation of Deep Neural Network. IEEE Sensors Journal, 2020, 20, 4803-4815.	3.7	62
131	Lean blowout detection for bluff-body stabilized flame. Fuel, 2020, 266, 117008.	7.5	21
132	Estimation of Combustion Temperature Field From the Electrical Admittivity Distribution Obtained by Electrical Tomography. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6271-6280.	3.8	28
133	A Smart Terrain Identification Technique Based on Electromyography, Ground Reaction Force, and Machine Learning for Lower Limb Rehabilitation. Applied Sciences (Switzerland), 2020, 10, 2638.	2.2	33
134	In-vivo histocompatibility and osteogenic potential of biodegradable PLDLA composites containing silica-based bioactive glass fiber. Journal of Biomaterials Applications, 2020, 35, 59-71.	2.5	2
135	Passively Q-switched Yb-doped all-fiber laser based on Ag nanoplates as saturable absorber. Nanophotonics, 2020, 9, 3873-3880.	6.2	29
136	Suppression of reverberations at fiber tips for optical ultrasound sensing. Optics Letters, 2020, 45, 2526.	3.0	14
137	Random vibration-driven continuous-wave CRDS system for calibration-free gas concentration measurement. Optics Letters, 2020, 45, 746.	3.0	3
138	Recent development of electromagnetic wave resistivity tools for logging-while-drilling. Acta Geologica Sinica, 2019, 93, 291-291.	1.7	0
139	Forward solver for deep earth exploration and induction logging using custom built EdgeElement FEM technique. Acta Geologica Sinica, 2019, 93, 302-304.	1.7	4
140	A survey of underground detection methods with a new proposal for urban underground detection. Acta Geologica Sinica, 2019, 93, 322-324.	1.7	0
141	Real-Time <i>In Situ</i> Laser Ranging Based on Online Echo Waveform Fitting. IEEE Sensors Journal, 2019, 19, 9255-9262.	3.7	22
142	Effects of crustacean hyperglycemic hormone (CHH) on regulation of hemocyte intracellular signaling pathways and phagocytosis in white shrimp <i>Litopenaeus vannamei</i> . Fish and Shellfish Immunology, 2019, 93, 559-566.	4.0	44
143	Investigation of Multi-Plane Scheme for Compensation of Fringe Effect of Electrical Resistance Tomography Sensor. Sensors, 2019, 19, 3132.	3.1	3
144	Three-dimensional laser absorption spectroscopy velocimetry for high-speed flow diagnosis. Applied Physics B: Lasers and Optics, 2019, 125, .	1.8	4

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145	Signal Demodulation Methods for Electrical Tomography: A Review. IEEE Sensors Journal, 2019, 19, 9026-9035.	3.7	22
146	Proportional-Integral Controller Modified Landweber Iterative Method for Image Reconstruction in Electrical Capacitance Tomography. IEEE Sensors Journal, 2019, 19, 8790-8802.	3.7	30
147	A Capacitive Information-Based Force-Voltage Responsivity Stabilization Method for Piezoelectric Touch Panels. IEEE Journal of the Electron Devices Society, 2019, 7, 1018-1025.	1.8	13
148	Transcriptome analysis of hemocytes from the white shrimp <i>Litopenaeus vannamei</i> with the injection of dopamine. Fish and Shellfish Immunology, 2019, 94, 497-509.	4.0	23
149	Factors influencing assessment in a TDC-based ranging system. Measurement Science and Technology, 2019, 30, 125018.	3.1	3
150	Adaptive Selection of Truncation Radius in Calderon's Method for Direct Image Reconstruction in Electrical Capacitance Tomography. Sensors, 2019, 19, 2014.	3.1	4
151	Crustacean hyperglycemic hormone (CHH) affects hemocyte intracellular signaling pathways to regulate exocytosis and immune response in white shrimp <i>Litopenaeus vannamei</i> . Peptides, 2019, 116, 30-41.	2.9	26
152	Asymmetrical-Gaussian-Model-Based Laser Echo Detection. IEEE Sensors Journal, 2019, 19, 3797-3806.	3.7	11
153	4-Dimensional Sensing in Interactive Displays Enabled by Both Capacitive and Piezoelectric Based Touch Panel. IEEE Access, 2019, 7, 33787-33794.	3.1	11
154	Study of Dynamic Behaviors of Thermoacoustic Oscillations by Using Laser Absorption Spectroscopy. IEEE Sensors Journal, 2019, 19, 12271-12278.	3.7	5
155	Direct Image Reconstruction for Electrical Capacitance Tomography Using Shortcut D-Bar Method. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 483-492.	3.8	34
156	Automatic Registration Method for TLS LiDAR Data and Image-Based Reconstructed Data. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 482-486.	3.3	3
157	An Agile Electrical Capacitance Tomography System With Improved Frame Rates. IEEE Sensors Journal, 2019, 19, 1416-1425.	3.7	18
158	Special Section on Imaging Systems and Techniques 2017. Measurement Science and Technology, 2019, 30, 020103.	3.1	0
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