Jiang Zhuangde

List of Publications by Year
in descending order

199 papers	1,819 citations	279798 23 h-index	454955 30 g-index
201 all docs	201 docs citations	201 times ranked	1493 citing authors

#	Article	IF	Citations
1	Anisotropic conductive reduced graphene oxide/silk matrices promote post-infarction myocardial function by restoring electrical integrity. Acta Biomaterialia, 2022, 139, 190-203.	8.3	40
2	Improving solar control of magnetism in ternary organic photovoltaic system with enhanced photo-induced electrons doping. Nano Research, 2022, 15, 2626-2633.	10.4	3
3	Effect of Joule heating on the performance of micromechanical piezoresistive oscillator. Sensors and Actuators A: Physical, 2022, 333, 113234.	4.1	1
4	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability. Advanced Materials, 2022, 34, e2108419.	21.0	11
5	High-performance photodetector based on an interface engineering-assisted graphene/silicon Schottky junction. Microsystems and Nanoengineering, 2022, 8, 9.	7.0	30
6	Coupling Effects of Crosstalk and Parasitic Loss on Capacitive Micromachined Ultrasonic Transducers. IEEE Sensors Journal, 2022, 22, 3281-3297.	4.7	4
7	Noise Analysis and Performance Improvement of a MEMS Fabry-PÃ©rot Seismic Accelerometer. IEEE Sensors Journal, 2022, 22, 365-372.	4.7	5
8	Research on the High Temperature and High Pressure Gold-Plated Fiber Grating Dual-Parameter Sensing Measurement System. Micromachines, 2022, 13, 195.	2.9	3
9	A one-pot CRISPR/Cas13a-based contamination-free biosensor for low-cost and rapid nucleic acid diagnostics. Biosensors and Bioelectronics, 2022, 202, 113994.	10.1	53
10	Large-Area and Clean Graphene Transfer on Gold-Nanopyramid-Structured Substrates: Implications for Surface-Enhanced Raman Scattering Detection. ACS Applied Nano Materials, 2022, 5, 3878-3888.	5.0	2
11	Piezoelectric-AlN resonators at two-dimensional flexural modes for the density and viscosity decoupled determination of liquids. Microsystems and Nanoengineering, 2022, 8, 38.	7.0	7
12	Voltage Manipulation of Synthetic Antiferromagnetism in CoFeB/Ta/CoFeB Heterostructure for Spintronic Application. Advanced Materials Interfaces, 2022, 9, .	3.7	3
13	Selfâ€Assembled Epitaxial Ferroelectric Oxide Nanospring with Superâ€Scalability (Adv. Mater. 13/2022). Advanced Materials, 2022, 34, .	21.0	0
14	A flexible and wearable NO2 gas detection and early warning device based on a spraying process and an interdigital electrode at room temperature. Microsystems and Nanoengineering, 2022, 8, 40.	7.0	15
15	Giant strain responses and relaxor characteristics in lead-free (Bi_{0.5}Na_{0.5})TiO₃â€“BaZrO₃ ferroelectric thin films. Journal of Materials Chemistry C, 2022, 10, 7449-7459.	5.5	8
16	Advanced tools and methods for single-cell surgery. Microsystems and Nanoengineering, 2022, 8, 47.	7.0	27
17	Uniform Stress Distribution of Bimorph by Arc Mechanical Stopper for Maximum Piezoelectric Vibration Energy Harvesting. Energies, 2022, 15, 3268.	3.1	2
18	High Sensitivity Optical Fiber Machâ€“Zehnder Refractive Index Sensor Based on Waist-Enlarged Bitaper. Micromachines, 2022, 13, 689.	2.9	10

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19	Simultaneous Measurement of Temperature and Refractive Index Using Michelson Interferometer Based on Waist-Enlarged Fiber Bitaper. Micromachines, 2022, 13, 658.	2.9	5
20	Finger Bending Sensing Based on Series-Connected Fiber Bragg Gratings. Materials, 2022, 15, 3472.	2.9	1
21	A Flexible and Wearable Nylon Fiber Sensor Modified by Reduced Graphene Oxide and ZnO Quantum Dots for Wide-Range NO2 Gas Detection at Room Temperature. Materials, 2022, 15, 3772.	2.9	7
22	Overview of Human Kinetic Energy Harvesting and Application. ACS Applied Energy Materials, 2022, 5, 7091-7114.	5.1	18
23	Highly heterogeneous epitaxy of flexoelectric BaTiO3-Î´ membrane on Ge. Nature Communications, 2022, 13, .	12.8	22
24	Magnetoelectric devices based on magnetoelectric bulk composites. Journal of Materials Chemistry C, 2021, 9, 5594-5614.	5.5	26
25	Design and Analysis of a Combined FBG Sensor for the Measurement of Three Parameters. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	10
26	Ultraflexible and Malleable Fe/BaTiO₃ Multiferroic Heterostructures for Functional Devices. Advanced Functional Materials, 2021, 31, 2009376.	14.9	30
27	Acoustic valves in microfluidic channels for droplet manipulation. Lab on A Chip, 2021, 21, 3165-3173.	6.0	22
28	One-Step Synthesis of Magnetic Hydrogel Microparticles Based on Acoustic Microfluidics. , 2021, , .		0
29	Simultaneous Measurement of Temperature and Refractive Index Using High Temperature Resistant Pure Quartz Grating Based on Femtosecond Laser and HF Etching. Materials, 2021, 14, 1028.	2.9	7
30	Characterization of the Electrical Properties of a Double Heterostructure GaN/AlGaN Epitaxial Layer with an AlGaN Interlayer. Journal of Electronic Materials, 2021, 50, 2521-2529.	2.2	3
31	Kinematic modeling of surface topography ground by an electroplated diamond wheel. International Journal of Advanced Manufacturing Technology, 2021, 114, 2753-2765.	3.0	2
32	Temperature and pressure dual-parameter sensing based on Fiber Bragg Grating. , 2021, , .		0
33	Multiferroic Heterostructures: Ultraflexible and Malleable Fe/BaTiO₃ Multiferroic Heterostructures for Functional Devices (Adv. Funct. Mater. 16/2021). Advanced Functional Materials, 2021, 31, 2170111.	14.9	1
34	A Tunable Quasi-Zero Stiffness Mechanism for Thermal Compensation of a MEMS Gravimeter. , 2021, , .		1
35	Asymmetric phononic frequency comb in a rhombic micromechanical resonator. Applied Physics Letters, 2021, 118, .	3.3	9
36	A thin-film temperature sensor based on a flexible electrode and substrate. Microsystems and Nanoengineering, 2021, 7, 42.	7.0	35

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37	A flexible electrostatic nanogenerator and self-powered capacitive sensor based on electrospun polystyrene mats and graphene oxide films. Nanotechnology, 2021, 32, 405402.	2.6	22
38	Capacitance Detection Based on High Order Synchronization Sensing. IEEE Sensors Journal, 2021, 21, 16780-16789.	4.7	1
39	Au-assisted Polymerization of Conductive Poly(N-phenylglycine) as High-performance Positive Electrodes for Asymmetric Supercapacitors. Nanotechnology, 2021, 33, .	2.6	1
40	High-Performance Temperature Sensor by Employing Screen Printing Technology. Micromachines, 2021, 12, 924.	2.9	8
41	Phase-delay induced variation of synchronization bandwidth and frequency stability in a micromechanical oscillator. Nonlinear Dynamics, 2021, 105, 2981-2994.	5.2	3
42	High-Sensitivity Enzymatic Glucose Sensor Based on ZnO Urchin-like Nanostructure Modified with Fe3O4 Magnetic Particles. Micromachines, 2021, 12, 977.	2.9	8
43	Optimization on thermoelectric characteristics of indium tin oxide/indium oxide thin film thermocouples based on screen printing technology. Review of Scientific Instruments, 2021, 92, 105001.	1.3	6
44	Robot-aided fNâ^™m torque sensing within an ultrawide dynamic range. Microsystems and Nanoengineering, 2021, 7, 2.	7.0	4
45	Anomalous amplitude-frequency dependence in a micromechanical resonator under synchronization. Nonlinear Dynamics, 2021, 103, 467-479.	5.2	13
46	A High-Frequency Acceleration Sensor Based on Fiber Grating. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	5
47	Enhancing Sunlight Control of Interfacial Magnetism by Introducing the ZnO Layer for Electron Harvesting. ACS Applied Materials & Interfaces, 2021, 13, 2018-2024.	8.0	6
48	Design and analysis of high-frequency fiber Bragg grating vibration sensor. Measurement Science and Technology, 2021, 32, 025108.	2.6	13
49	Fiber Vector Magnetometer Based on Balloon-Like Fiber Structure and Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	7
50	Controlled growth of a single carbon nanotube on an AFM probe. Microsystems and Nanoengineering, 2021, 7, 80.	7.0	7
51	A Terahertz Detector Based on Double-Channel GaN/AlGaN High Electronic Mobility Transistor. Materials, 2021, 14, 6193.	2.9	6
52	State recognition of motor pump based on multimodal homologous features and XGBoost. , 2021, , .		1
53	A flexible smart glove for pressure and bending signal acquisition. , 2021, , .		2
54	Dislocation Defect Layer-Induced Magnetic Bi-states Phenomenon in Epitaxial La0.7Sr0.3MnO3(111) Thin Films. ACS Applied Materials & Interfaces, 2021, , .	8.0	1

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55	Establishment and Verification of Neural Network for Rapid and Accurate Cytological Examination of Four Types of Cerebrospinal Fluid Cells. Frontiers in Medicine, 2021, 8, 749146.	2.6	0
56	WRe26â€“In2O3 probe-type thin film thermocouples applied to high temperature measurement. Review of Scientific Instruments, 2020, 91, 074901.	1.3	8
57	Effect of Annealing on the Thermoelectricity Properties of the WRe26-In2O3 Thin Film Thermocouples. Micromachines, 2020, 11, 664.	2.9	4
58	Wearable Tactile Sensors: Gelatin Methacryloylâ€Based Tactile Sensors for Medical Wearables (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	14.9	6
59	A Novel Micro-Displacement Sensor Based on Double Optical Fiber Probes Made through Photopolymer Materials. Materials, 2020, 13, 5475.	2.9	5
60	Novel high-performance piezoresistive shock accelerometer for ultra-high-g measurement utilizing self-support sensing beams. Review of Scientific Instruments, 2020, 91, 085001.	1.3	11
61	Programmable synchronization enhanced MEMS resonant accelerometer. Microsystems and Nanoengineering, 2020, 6, 63.	7.0	33
62	Construction of coreâ€“shell microcapsules via focused surface acoustic wave microfluidics. Lab on A Chip, 2020, 20, 3104-3108.	6.0	9
63	Periodic Wrinkleâ€Patterned Singleâ€Crystalline Ferroelectric Oxide Membranes with Enhanced Piezoelectricity. Advanced Materials, 2020, 32, e2004477.	21.0	47
64	The influence of key characteristic parameters on performance of optical fiber Fabryâ€“Perot temperature sensor. AIP Advances, 2020, 10, 085118.	1.3	10
65	Photovoltaic Control of Ferromagnetism for Flexible Spintronics. ACS Applied Materials & Interfaces, 2020, 12, 41999-42006.	8.0	5
66	Novel resonant pressure sensor based on piezoresistive detection and symmetrical in-plane mode vibration. Microsystems and Nanoengineering, 2020, 6, 95.	7.0	27
67	Advanced Biological Imaging for Intracellular Micromanipulation: Methods and Applications. Applied Sciences (Switzerland), 2020, 10, 7308.	2.5	6
68	Flexible four-point conjugate thin film thermocouples with high reliability and sensitivity. Review of Scientific Instruments, 2020, 91, 045004.	1.3	9
69	The Radial Piezoelectric Response from Three-Dimensional Electrospun PVDF Micro Wall Structure. Materials, 2020, 13, 1368.	2.9	6
70	Optimal design of SiC piezoresistive pressure sensor considering material anisotropy. Review of Scientific Instruments, 2020, 91, 015004.	1.3	11
71	Acoustic-Controlled Bubble Generation and Fabrication of 3D Polymer Porous Materials. ACS Applied Materials & Interfaces, 2020, 12, 22318-22326.	8.0	20
72	Freestanding single-crystal Ni_{0.5}Zn_{0.5}Fe₂O₄ ferrite membranes with controllable enhanced magnetic properties for flexible RF/microwave applications. Journal of Materials Chemistry C, 2020, 8, 17099-17106.	5.5	9

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73	Study on the characteristics of thermo-electrodes of various deposition parameters for the flexible temperature sensor. Review of Scientific Instruments, 2020, 91, 125004.	1.3	7
74	A Novel Piezoelectric Resonator for Liquid Density and Viscosity Measurement. , 2020, , .		0
75	Flexible Ferroelectrics: Periodic Wrinkleâ€Patterned Singleâ€Crystalline Ferroelectric Oxide Membranes with Enhanced Piezoelectricity (Adv. Mater. 50/2020). Advanced Materials, 2020, 32, 2070377.	21.0	0
76	UV irradiationâ€promoted wet etching of ZnO nanorods to nanotubes. Micro and Nano Letters, 2020, 15, 96-100.	1.3	0
77	Flexible carbon monoxide sensor for environmental detection of smallâ€scale robot. Micro and Nano Letters, 2020, 15, 949-953.	1.3	1
78	A Novel Peninsula-island Structure for Sensing Ultra-low Pressure Based on Dry-wet Combination Etching Process. , 2020, , .		0
79	A low noise capacitive MEMS accelerometer with anti-spring structure. Sensors and Actuators A: Physical, 2019, 296, 79-86.	4.1	54
80	A wearable and sensitive graphene-cotton based pressure sensor for human physiological signals monitoring. Scientific Reports, 2019, 9, 14457.	3.3	34
81	High accuracy comsol simulation method of bimorph cantilever for piezoelectric vibration energy harvesting. AIP Advances, 2019, 9, .	1.3	44
82	Selfâ€Powered Flexible Sensor Based on the Graphene Modified P(VDFâ€TrFE) Electrospun Fibers for Pressure Detection. Macromolecular Materials and Engineering, 2019, 304, 1900504.	3.6	19
83	Internal resonance between the extensional and flexural modes in micromechanical resonators. Journal of Applied Physics, 2019, 126, .	2.5	12
84	A MEMS accelerometer based on synchronizing DETF oscillators. , 2019, , .		6
85	Density Measurement Performance in Flowing Liquid Using Microcantilever-Based Resonators under Bending and Torsion Vibrations. , 2019, , .		1
86	Design and Analysis of a Combined Strainâ€“Vibrationâ€“Temperature Sensor with Two Fiber Bragg Gratings and a Trapezoidal Beam. Sensors, 2019, 19, 3571.	3.8	13
87	A quantitative analysis of the indentation fracture of fused silica. Journal of the American Ceramic Society, 2019, 102, 7264-7277.	3.8	16
88	Thermoelectric Characteristics of Silicon Carbide and Tungsten-Rhenium-Based Thin-Film Thermocouples Sensor with Protective Coating Layer by RF Magnetron Sputtering. Materials, 2019, 12, 1981.	2.9	17
89	Electrochemical methods for detection of biomarkers of Chronic Obstructive Pulmonary Disease in serum and saliva. Biosensors and Bioelectronics, 2019, 142, 111453.	10.1	35
90	Surface Characteristics of Polished YAG Laser Crystal. Crystal Research and Technology, 2019, 54, 1800274.	1.3	17

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91	A High Accuracy Resonant Pressure Sensor with Lateral Driven and Piezoresistive Detection. , 2019, , .		0
92	The Design of a High Precision Capacitive Pressure Sensor Based on Comb Electrode. , 2019, , .		0
93	Development of a 4H-SiC Piezoresistive Pressure Sensor for High Temperature Applications. , 2019, , .		0
94	Effect of Oxidation on Conductivity Characteristics of Tungsten-Rhenium Thin-Film Thermocouples Sensor. , 2019, , .		1
95	A High-g Triaxial Piezoresistive Accelerometer with Sensing Beams in Pure Axial Deformation. , 2019, , .		3
96	MEMS Piezoelectric Vibration Energy Harvester with In-Plane PZT Bimorph. , 2019, , .		0
97	Broadband vibration energy harvesting for wireless sensor node power supply in train container. Review of Scientific Instruments, 2019, 90, 125003.	1.3	17
98	A novel microsensor for measuring thermal conductivity of fluid based on three omega method. Review of Scientific Instruments, 2019, 90, 015002.	1.3	1
99	A Novel CMUT-Based Resonant Biochemical Sensor Using Electrospinning Technology. IEEE Transactions on Industrial Electronics, 2019, 66, 7356-7365.	7.9	16
100	Influence of surface roughness on the adhesion hysteresis of nano thin film. Micro and Nano Letters, 2019, 14, 1278-1281.	1.3	3
101	FORMATION OF TRIANGULAR Cu MICROCRYSTALS IN Ti/Cu/Si THIN FILMS DURING ANNEALING. Surface Review and Letters, 2018, 25, 1850097.	1.1	0
102	Synchronization of electrically coupled micromechanical oscillators with a frequency ratio of 3:1. Applied Physics Letters, 2018, 112, .	3.3	37
103	Tool setting error compensation in large aspherical mirror grinding. International Journal of Advanced Manufacturing Technology, 2018, 94, 4093-4103.	3.0	5
104	Effect of heat treatment on thermoelectric properties of tungsten-rhenium thin-film thermocouples by RF magnetron sputtering. AIP Advances, 2018, 8, 125113.	1.3	5
105	Coupled Piezoelectric Micromachined Ultrasonic Transducers Array with High Ultrasonic Emission Performance. , 2018, , .		2
106	Novel Mechanical Coupling Piezoelectric Micromachined Ultrasonic Transducers Based on Base Excitation System. , 2018, , .		1
107	A Novel Air-Coupled Piezoelectric Micromachined Ultrasonic Transducers Based on Parametric Excitation Method. , 2018, , .		0
108	Influence of Magnetron Sputtering Parameters on Heat Volatilization Property of Tungsten-Rhenium Thin Film Thermocouples. , 2018, , .		0

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109	Impact of Magnetron Sputtering Parameters on Thermoelectric Properties of Tungsten-Rhenium Thin-Film Thermocouples Sensor. IEEE Sensors Journal, 2018, 18, 9896-9901.	4.7	5
110	Electrical and optical properties of metalâ€sandwiched ZnO/Ti/Cu/Ti/ZnO transparent conductive thin film. Micro and Nano Letters, 2018, 13, 1511-1515.	1.3	1
111	A piezoelectric cantilever with novel large mass for harvesting energy from low frequency vibrations. AIP Advances, 2018, 8, .	1.3	10
112	Comparison Study of Three Readout Methods for a Capacitive MEMS Accelerometer. , 2018, , .		5
113	Study of Amplitude Saturation in T-Shape MEMS Resonators. , 2018, , .		0
114	Sensitivity enhancement of a resonant mass sensor based on internal resonance. Applied Physics Letters, 2018, 113, .	3.3	35
115	TCAD Simulation for Nonresonant Terahertz Detector Based on Double-Channel GaN/AlGaN High-Electron-Mobility Transistor. IEEE Transactions on Electron Devices, 2018, 65, 4807-4813.	3.0	8
116	High Temperature High Sensitivity Multipoint Sensing System Based on Three Cascade Machâ€“Zehnder Interferometers. Sensors, 2018, 18, 2688.	3.8	19
117	Highâ€temperature Fabryâ€“Perot interferometer based on mode analysis. Micro and Nano Letters, 2018, 13, 198-201.	1.3	2
118	Giant enhancement on response-speed of electrospun-based UV photodetector via polydimethylsiloxane coating. , 2018, , .		3
119	A Novel Single-Axis MEMS Tilt Sensor with a High Sensitivity in the Measurement Range from 0â˜ to 360â˜. Sensors, 2018, 18, 346.	3.8	12
120	Modeling and Analysis of a Combined Stress-Vibration Fiber Bragg Grating Sensor. Sensors, 2018, 18, 743.	3.8	18
121	Facile highâ€performance film thermocouple made of strontium lanthanum chromate for temperature sensing in air. Journal of the American Ceramic Society, 2018, 101, 4880-4886.	3.8	6
122	Numerical simulation and experimental study of surface waviness during full aperture rapid planar polishing. International Journal of Advanced Manufacturing Technology, 2018, 97, 3273-3282.	3.0	11
123	Capacitive micromachined ultrasonic transducers for biochemical detection with flexible high sensitivity. , 2018, , .		3
124	Tungsten-rhenium thin film thermocouples for SiC-based ceramic matrix composites. Review of Scientific Instruments, 2017, 88, 015007.	1.3	35
125	Frequency latching in nonlinear micromechanical resonators. Applied Physics Letters, 2017, 110, .	3.3	17
126	Different etching evolution from initial to etched ZnO nanorods on substrates of dissimilar geometries. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2

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127	Piezoresistive pressure sensor with high sensitivity for medical application using peninsula-island structure. Frontiers of Mechanical Engineering, 2017, 12, 546-553.	4.3	25
128	Enhanced stability of ITO/In<inf>2</inf>O<inf>3</inf> thin film thermocouples by coating Al<inf>2</inf>O<inf>3</inf> layer. , 2017, , .		0
129	Effect of joule heating on the performance of a piezoresistive micromechanical oscillator. , 2017, , .		1
130	A micromechanical resonant optical power meter. , 2017, , .		0
131	Mechanical properties analysis and process optimization for tungsten-rhenium thin film thermocouples sensor. , 2017, , .		2
132	Range Analysis of Thermal Stress and Optimal Design for Tungsten-Rhenium Thin Film Thermocouples Based on Ceramic Substrates. Sensors, 2017, 17, 857.	3.8	24
133	Study of ZnS Nanostructures Based Electrochemical and Photoelectrochemical Biosensors for Uric Acid Detection. Sensors, 2017, 17, 1235.	3.8	24
134	Doping Ag in ZnO Nanorods to Improve the Performance of Related Enzymatic Glucose Sensors. Sensors, 2017, 17, 2214.	3.8	28
135	Measurement study of residual stress on tungsten-rhenium thin film thermocouples by nanoindentation technology. , 2017, , .		3
136	A protected tungsten-rhenium thin film thermocouples sensor. , 2017, , .		3
137	Application and Optimization of Stiffness Abruption Structures for Pressure Sensors with High Sensitivity and Anti-Overload Ability. Sensors, 2017, 17, 1965.	3.8	19
138	A Novel Piezoresistive Accelerometer with SPBs to Improve the Tradeoff between the Sensitivity and the Resonant Frequency. Sensors, 2016, 16, 210.	3.8	20
139	A MEMS Resonant Sensor to Measure Fluid Density and Viscosity under Flexural and Torsional Vibrating Modes. Sensors, 2016, 16, 830.	3.8	24
140	A Novel Slope Method for Measurement of Fluid Density with a Micro-cantilever under Flexural and Torsional Vibrations. Sensors, 2016, 16, 1471.	3.8	7
141	Nonlinear coupling of flexural mode and extensional bulk mode in micromechanical resonators. Applied Physics Letters, 2016, 109, .	3.3	18
142	Analysis of the 3Ï‰ method for the measurement of fluid thermal properties. , 2016, , .		0
143	Vibration and large deformation simulation analysis of graphene membrane for nanomechanical applications. , 2016, , .		0
144	Surface acoustic wave (SAW) - induced particle rotation and aggregation in microdroplet. , 2016, , .		2

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145	Sensitivity improvement of SAW pressure sensors based on finite element analysis. , 2016, , .		5
146	Synthesis of ZnS urchin-like nanostructures for electrochemical determination of uric acid. , 2016, , .		0
147	Isolation of sodium chloride crystals induced by standing surface acoustic waves (SSAWs) in a drying droplet. CrystEngComm, 2016, 18, 6784-6788.	2.6	11
148	Biomimetics studies of Salvinia molesta for fabrication. Micro and Nano Letters, 2016, 11, 291-294.	1.3	2
149	Effect of annealing temperature of Bi_{1.5}Zn_{1.0}Nb_{1.5}O₇gate insulator on performance of ZnO based thin film transistors. Journal of Semiconductors, 2016, 37, 074007.	3.7	2
150	Study on the electrical properties of ZnO thin film transistors using pyrochlore Bi_{1.5}Zn_(1+y)Nb_{1.5}O_(7+y)gate insulators fabricated by RF sputtering. Optical Engineering, 2016, 55, 067106.	1.0	0
151	The fluid viscosity measurement based on variable cross-section MEMS cantilever under torsional excitation. , 2015, , .		1
152	Effect of excess Bi2O3 on structure and performance of ZnO-based thin film transistors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 061206.	1.2	3
153	Capacitive micromachined ultrasonic transducer for ultra-low pressure measurement: Theoretical study. AIP Advances, 2015, 5, .	1.3	7
154	A novel capacitive micromachined transducer for micro-pressure measurement. , 2015, , .		0
155	A novel laser scattering spectrum diagnosis method for distinguishing label free cells with tiny different structural properties. , 2015, , .		0
156	SAW assisted blood/plasma separation in microchannel with constriction-expansion transition. , 2015, , .		2
157	Fast Predicting Statistical Subsurface Damage Parameters of the K9 Sample. International Journal of Optomechatronics, 2015, 9, 248-259.	6.6	3
158	Fabrication of CMUTs with a low temperature wafer bonding technology. , 2015, , .		1
159	A quasi-rigorous solution for focusing radially polarized vector beams by an arbitrary opening paraboloid mirror. Journal of Modern Optics, 2015, 62, 519-527.	1.3	0
160	An Improved Method for the Mechanical Behavior Analysis of Electrostatically Actuated Microplates Under Uniform Hydrostatic Pressure. Journal of Microelectromechanical Systems, 2015, 24, 474-485.	2.5	13
161	Measurement of aspheric surface combining point diffraction interferometry and annular subaperture stitching. Optical Engineering, 2015, 54, 014102.	1.0	11
162	Light scattering properties in spatial planes for label free cells with different internal structures. Optical and Quantum Electronics, 2015, 47, 1005-1025.	3.3	10

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163	Capacitive micromachined ultrasonic transducer for ultra-low pressure detection. , 2014, , .		4
164	Optical Sensor Based on a Single CdS Nanobelt. Sensors, 2014, 14, 7332-7341.	3.8	15
165	Pose and position calibration of laser displacement sensor in aspheric measurement. , 2014, , .		2
166	A novel piezoresistive accelerometer featuring in-plane vibration. , 2014, , .		2
167	Response characteristics of a potentiometric CO2 gas sensor based on Li3PO4 solid electrolyte using Au film as the electrodes. Journal of Applied Physics, 2014, 115, 124505.	2.5	12
168	Fast predicting statistical subsurface damage parameters of the K9 sample. , 2014, , .		0
169	Analysis and design for piezoresistive accelerometer geometry considering sensitivity, resonant frequency and cross-axis sensitivity. Microsystem Technologies, 2014, 20, 463-470.	2.0	26
170	In-Situ Measurement of Fluid Density Rapidly Using a Vibrating Piezoresistive Microcantilever Sensor Without Resonance Occurring. IEEE Sensors Journal, 2014, 14, 645-650.	4.7	8
171	Low-temperature remote plasma-enhanced atomic layer deposition of graphene and characterization of its atomic-level structure. Journal of Materials Chemistry C, 2014, 2, 7570-7574.	5.5	42
172	Buckling and Delamination of Ti/Cu/Si Thin Film During Annealing. Journal of Electronic Materials, 2014, 43, 3351-3356.	2.2	4
173	BACK PROPAGATION NEURAL NETWORK MODEL FOR TEMPERATURE AND HUMIDITY COMPENSATION OF A NON DISPERSIVE INFRARED METHANE SENSOR. Instrumentation Science and Technology, 2013, 41, 608-618.	1.8	23
174	An ultra-high pressure sensor with cylinder structure. Journal of Mechanical Science and Technology, 2013, 27, 2383-2389.	1.5	6
175	A fluid viscosity sensor with resonant trapezoidal micro cantilever. , 2013, , .		2
176	Characterization of Au ring microelectrode with cyclic voltammetry and AC impedance spectroscopy. , 2013, , .		0
177	Influence of substrate surface roughness on the properties of a planar-type CO<inf>2</inf> sensor using evaporated Li<inf>3</inf>PO<inf>4</inf> film. , 2013, , .		1
178	Capacitive micromachined ultrasonic transducer as a resonant temperature sensor. , 2013, , .		0
179	MEMS fluid density sensor based on oscillating piezoresistive microcantilever. , 2013, , .		0
180	Magnetically actuated resonant piezoresistive microcantilever operating in fluid for dc current measurement. , 2013, , .		0

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181	Active Frequency Tuning for Magnetically Actuated and Piezoresistively Sensed MEMS Resonators. IEEE Electron Device Letters, 2013, 34, 921-923.	3.9	12
182	Fabrication of thin film potentiometric CO 2 sensors on differentiate substrate surfaces and their characteristics. Micro and Nano Letters, 2013, 8, 445-449.	1.3	6
183	Fabrication and characterization of Pt Archimedean-spiral interdigitated microelectrodes with containing trenches. , 2013, , .		1
184	The ZnO nanwire controllable synthesis and its optical properties. , 2012, , .		0
185	Impact of line edge roughness and linewidth roughness on critical dimension variation. , 2012, , .		2
186	Characterization for surface morphology of Ag particles on ZnO film. , 2012, , .		0
187	Surface characterization of Cu/Ti thin films by fractal analysis. , 2012, , .		0
188	Solid Potentiometric ${m CO}_{2}$ Sensor Using ${m Li}_{3}{m PO}_{4}$ Film as the Electrolyte. IEEE Sensors Journal, 2012, 12, 2001-2005.	4.7	11
189	Multilayer graphene sheets assembled by Langmuir-Blodgett fro tribology application. , 2012, , .		0
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