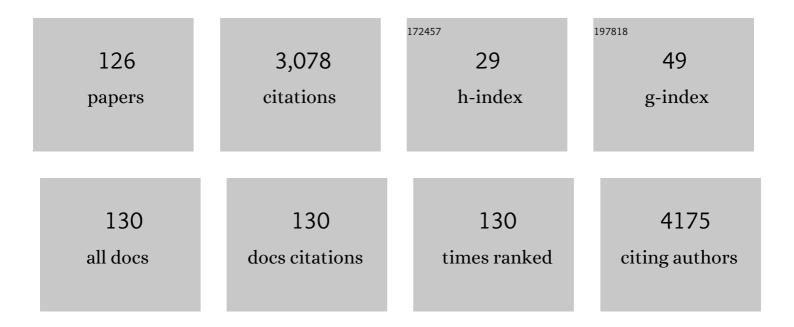
## Xuexin Duan

List of Publications by Year in descending order

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XHEVIN DUAN

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Quantification of the affinities and kinetics of protein interactions using silicon nanowire biosensors. Nature Nanotechnology, 2012, 7, 401-407.   | 31.5 | 318       |
| 2  | Mechanical and Electrical Anisotropy of Few-Layer Black Phosphorus. ACS Nano, 2015, 9, 11362-11370.   | 14.6 | 247       |
| 3  | A Fully Integrated Wireless Flexible Ammonia Sensor Fabricated by Soft Nano-Lithography. ACS<br>Sensors, 2019, 4, 726-732.  | 7.8  | 89        |
| 4  | Detection of Volatile Organic Compounds by Self-assembled Monolayer Coated Sensor Array with Concentration-independent Fingerprints. Scientific Reports, 2016, 6, 23970.                      | 3.3  | 83        |
| 5  | A Highly Aligned Nanowireâ€Based Strain Sensor for Ultrasensitive Monitoring of Subtle Human<br>Motion. Small, 2020, 16, e2001363.  | 10.0 | 72        |
| 6  | Detection of Volatile Organic Compounds Using Microfabricated Resonator Array Functionalized with Supramolecular Monolayers. ACS Applied Materials & Interfaces, 2015, 7, 17893-17903.        | 8.0  | 71        |
| 7  | Highly specific and sensitive non-enzymatic determination of uric acid in serum and urine by extended gate field effect transistor sensors. Biosensors and Bioelectronics, 2014, 51, 225-231. | 10.1 | 69        |
| 8  | A chemiresistive sensor array from conductive polymer nanowires fabricated by nanoscale soft<br>lithography. Nanoscale, 2018, 10, 20578-20586.  | 5.6  | 69        |
| 9  | Limit of detection of field effect transistor biosensors: Effects of surface modification and size dependence. Applied Physics Letters, 2014, 104, .  | 3.3  | 57        |
| 10 | Rapid response flexible humidity sensor for respiration monitoring using nano-confined strategy.<br>Nanotechnology, 2020, 31, 125302.   | 2.6  | 54        |
| 11 | Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a<br>Piezoelectric Nanoâ€Electromechanical Device. Small, 2017, 13, 1602962.                       | 10.0 | 53        |
| 12 | Localized ultrahigh frequency acoustic fields induced micro-vortices for submilliseconds<br>microfluidic mixing. Applied Physics Letters, 2016, 109, .  | 3.3  | 51        |
| 13 | Composites, Fabrication and Application of Polyvinylidene Fluoride for Flexible Electromechanical<br>Devices: A Review. Micromachines, 2020, 11, 1076.  | 2.9  | 47        |
| 14 | Regenerative Electronic Biosensors Using Supramolecular Approaches. ACS Nano, 2013, 7, 4014-4021.   | 14.6 | 46        |
| 15 | Functionalized Polyelectrolytes Assembling on Nanoâ€BioFETs for Biosensing Applications. Advanced<br>Functional Materials, 2015, 25, 2279-2286.   | 14.9 | 46        |
| 16 | Multifunctional Soft Robotic Finger Based on a Nanoscale Flexible Temperature–Pressure Tactile<br>Sensor for Material Recognition. ACS Applied Materials & Interfaces, 2021, 13, 55756-55765. | 8.0  | 46        |
| 17 | Microchip based electrochemical-piezoelectric integrated multi-mode sensing system for continuous glucose monitoring. Sensors and Actuators B: Chemical, 2016, 223, 83-88.                    | 7.8  | 44        |
| 18 | Performance limitations for nanowire/nanoribbon biosensors. Wiley Interdisciplinary Reviews:<br>Nanomedicine and Nanobiotechnology, 2013, 5, 629-645.   | 6.1  | 42        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | State-of-the-art and recent developments in micro/nanoscale pressure sensors for smart wearable<br>devices and health monitoring systems. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and<br>Precision Engineering, 2020, 3, 43-52. | 3.2  | 42        |
| 20 | An intelligent face mask integrated with high density conductive nanowire array for directly exhaled coronavirus aerosols screening. Biosensors and Bioelectronics, 2021, 186, 113286.  | 10.1 | 42        |
| 21 | Design and fabrication of aluminum nitride Lamb wave resonators towards high figure of merit for<br>intermediate frequency filter applications. Journal of Micromechanics and Microengineering, 2015, 25,<br>035016.                  | 2.6  | 41        |
| 22 | Biofouling Removal and Protein Detection Using a Hypersonic Resonator. ACS Sensors, 2017, 2, 1175-1183.   | 7.8  | 40        |
| 23 | Detection and Discrimination of Volatile Organic Compounds using a Single Film Bulk Acoustic Wave<br>Resonator with Temperature Modulation as a Multiparameter Virtual Sensor Array. ACS Sensors, 2019,<br>4, 1524-1533.              | 7.8  | 39        |
| 24 | PEDOT:PSS: From conductive polymers to sensors. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, .   | 3.2  | 39        |
| 25 | Conductive polymer nanowire gas sensor fabricated by nanoscale soft lithography. Nanotechnology, 2017, 28, 485301.  | 2.6  | 38        |
| 26 | Controllable Cell Deformation Using Acoustic Streaming for Membrane Permeability Modulation.<br>Advanced Science, 2021, 8, 2002489.   | 11.2 | 37        |
| 27 | Biofunctional polyelectrolytes assembling on biosensors – A versatile surface coating method for protein detections. Analytica Chimica Acta, 2017, 964, 170-177.  | 5.4  | 36        |
| 28 | Nanostrip flexible microwave enzymatic biosensor for noninvasive epidermal glucose sensing.<br>Nanoscale Horizons, 2020, 5, 934-943.  | 8.0  | 34        |
| 29 | Mixing during Trapping Enabled a Continuous-Flow Microfluidic Smartphone Immunoassay Using<br>Acoustic Streaming. ACS Sensors, 2021, 6, 2386-2394.  | 7.8  | 34        |
| 30 | A flexible, gigahertz, and free-standing thin film piezoelectric MEMS resonator with high figure of merit. Applied Physics Letters, 2017, 111, .  | 3.3  | 32        |
| 31 | Recent advances in micro/nanoscale intracellular delivery. Nami Jishu Yu Jingmi<br>Gongcheng/Nanotechnology and Precision Engineering, 2020, 3, 18-31.  | 3.2  | 31        |
| 32 | Fabrications, Applications and Challenges of Solid-State Nanopores: A Mini Review. Nanomaterials and<br>Nanotechnology, 2016, 6, 35.  | 3.0  | 30        |
| 33 | Smartphone-Enabled Colorimetric Trinitrotoluene Detection Using Amine-Trapped<br>Polydimethylsiloxane Membranes. ACS Applied Materials & Interfaces, 2017, 9, 14445-14452.  | 8.0  | 28        |
| 34 | Trapping of sub-100 nm nanoparticles using gigahertz acoustofluidic tweezers for biosensing applications. Nanoscale, 2019, 11, 14625-14634.   | 5.6  | 28        |
| 35 | Miniaturized polymer coated film bulk acoustic wave resonator sensor array for quantitative gas chromatographic analysis. Sensors and Actuators B: Chemical, 2018, 274, 419-426.  | 7.8  | 27        |
| 36 | On-chip acoustic mixer integration of electro-microfluidics towards in-situ and efficient mixing in droplets. Microfluidics and Nanofluidics, 2018, 22, 1.  | 2.2  | 26        |

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|----|---|------|-----------|
| 37 | Controlled and Tunable Loading and Release of Vesicles by Using Gigahertz Acoustics. Angewandte<br>Chemie - International Edition, 2019, 58, 159-163.   | 13.8 | 26        |
| 38 | Quantitative probing of surface charges at dielectric–electrolyte interfaces. Lab on A Chip, 2013, 13, 1431.  | 6.0  | 25        |
| 39 | Dynamics of Electrowetting Droplet Motion in Digital Microfluidics Systems: From Dynamic Saturation to Device Physics. Micromachines, 2015, 6, 778-789.   | 2.9  | 25        |
| 40 | An on-demand femtoliter droplet dispensing system based on a gigahertz acoustic resonator. Lab on A<br>Chip, 2018, 18, 2540-2546.   | 6.0  | 25        |
| 41 | Label-Free and Simultaneous Mechanical and Electrical Characterization of Single Plant Cells Using<br>Microfluidic Impedance Flow Cytometry. Analytical Chemistry, 2020, 92, 14568-14575.   | 6.5  | 25        |
| 42 | Largeâ€Area Nanoscale Patterning of Functional Materials by Nanomolding in Capillaries. Advanced<br>Functional Materials, 2010, 20, 2519-2526.  | 14.9 | 24        |
| 43 | Kinetic studies of microfabricated biosensors using local adsorption strategy. Biosensors and Bioelectronics, 2015, 74, 8-15.   | 10.1 | 24        |
| 44 | Detection and discrimination of volatile organic compounds using a single multi-resonance mode<br>piezotransduced silicon bulk acoustic wave resonator (PSBAR) as virtual sensor array. Sensors and<br>Actuators B: Chemical, 2018, 254, 1191-1199. | 7.8  | 24        |
| 45 | Esophageal Cancer-Derived Extracellular Vesicle miR-21-5p Contributes to EMT of ESCC Cells by Disorganizing Macrophage Polarization. Cancers, 2021, 13, 4122.   | 3.7  | 24        |
| 46 | Highâ€Resolution Contact Printing with Chemically Patterned Flat Stamps Fabricated by Nanoimprint<br>Lithography. Advanced Materials, 2009, 21, 2798-2802.  | 21.0 | 23        |
| 47 | On-chip integrated multiple microelectromechanical resonators to enable the local heating, mixing and viscosity sensing for chemical reactions in a droplet. Sensors and Actuators B: Chemical, 2017, 248, 280-287.                                 | 7.8  | 23        |
| 48 | Hypersonicâ€Induced 3D Hydrodynamic Tweezers for Versatile Manipulations of Micro/Nanoscale<br>Objects. Particle and Particle Systems Characterization, 2018, 35, 1800068.  | 2.3  | 23        |
| 49 | Tuning the Resonant Frequency of Resonators Using Molecular Surface Self-assembly Approach. ACS<br>Applied Materials & Interfaces, 2015, 7, 950-958.  | 8.0  | 22        |
| 50 | Theoretical and experimental characterizations of gigahertz acoustic streaming in microscale fluids.<br>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2019, 2, 15-22.  | 3.2  | 22        |
| 51 | Manipulations of micro/nanoparticles using gigahertz acoustic streaming tweezers. Nami Jishu Yu<br>Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2022, 5, .  | 3.2  | 21        |
| 52 | Monolithic integrated system with an electrowetting-on-dielectric actuator and a<br>film-bulk-acoustic-resonator sensor. Journal of Micromechanics and Microengineering, 2015, 25,<br>025002.   | 2.6  | 20        |
| 53 | Acoustic Streaming and Microparticle Enrichment within a Microliter Droplet Using a Lamb-Wave<br>Resonator Array. Physical Review Applied, 2018, 9, .   | 3.8  | 20        |
| 54 | A Highly Sensitive Humidity Sensor Based on Ultrahigh-Frequency Microelectromechanical Resonator<br>Coated with Nano-Assembled Polyelectrolyte Thin Films. Micromachines, 2017, 8, 116.   | 2.9  | 19        |

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|----|---|------|-----------|
| 55 | Metal Nanoparticle Wires Formed by an Integrated Nanomoldingâ^'Chemical Assembly Process:<br>Fabrication and Properties. ACS Nano, 2010, 4, 7660-7666.  | 14.6 | 18        |
| 56 | Chemiresistive and Gravimetric Dual-Mode Gas Sensor toward Target Recognition and Differentiation. ACS Applied Materials & amp; Interfaces, 2016, 8, 21742-21749.   | 8.0  | 18        |
| 57 | Recent advances in micro detectors for micro gas chromatography. Science China Materials, 2019, 62, 611-623.  | 6.3  | 18        |
| 58 | Contactless and Simultaneous Measurement of Water and Acid Contaminations in Oil Using a Flexible Microstrip Sensor. ACS Sensors, 2020, 5, 171-179.   | 7.8  | 18        |
| 59 | An impedance-coupled microfluidic device for single-cell analysis of primary cell wall regeneration.<br>Biosensors and Bioelectronics, 2020, 165, 112374.   | 10.1 | 18        |
| 60 | Surface Engineering of Metal–Organic Framework Prepared on Film Bulk Acoustic Resonator for<br>Vapor Detection. ACS Applied Materials & Interfaces, 2020, 12, 10009-10017.  | 8.0  | 18        |
| 61 | Simultaneously Optimize the Response Speed and Sensitivity of Low Dimension Conductive Polymers for Epidermal Temperature Sensing Applications. Frontiers in Chemistry, 2020, 8, 194.                                 | 3.6  | 18        |
| 62 | On-chip surface modified nanostructured ZnO as functional pH sensors. Nanotechnology, 2015, 26, 355202.   | 2.6  | 17        |
| 63 | Hypersound-Enhanced Intracellular Delivery of Drug-Loaded Mesoporous Silica Nanoparticles in a<br>Non-Endosomal Pathway. ACS Applied Materials & Interfaces, 2019, 11, 19734-19742.                                   | 8.0  | 17        |
| 64 | Complementary metal oxide semiconductor-compatible silicon nanowire biofield-effect transistors as affinity biosensors. Nanomedicine, 2013, 8, 1839-1851.   | 3.3  | 16        |
| 65 | Comparative analysis of static and non-static assays for biochemical sensing using on-chip integrated field effect transistors and solidly mounted resonators. Sensors and Actuators B: Chemical, 2017, 243, 775-783. | 7.8  | 16        |
| 66 | Cellphone-Enabled Microwell-Based Microbead Aggregation Assay for Portable Biomarker Detection.<br>ACS Sensors, 2018, 3, 432-440.   | 7.8  | 15        |
| 67 | Graphene Oxide-Doped Conducting Polymer Nanowires Fabricated by Soft Lithography for Gas Sensing Applications. IEEE Sensors Journal, 2018, 18, 7765-7771.   | 4.7  | 15        |
| 68 | A Universal Biomolecular Concentrator To Enhance Biomolecular Surface Binding Based on Acoustic<br>NEMS Resonator. ACS Central Science, 2018, 4, 899-908.   | 11.3 | 15        |
| 69 | Cytosolic Delivery of Functional Proteins <i>In Vitro</i> through Tunable Gigahertz Acoustics. ACS<br>Applied Materials & Interfaces, 2020, 12, 15823-15829.  | 8.0  | 15        |
| 70 | Hypersonic poration of supported lipid bilayers. Materials Chemistry Frontiers, 2019, 3, 782-790.   | 5.9  | 14        |
| 71 | Biomolecular stiffness detection based on positive frequency shift of CMOS compatible gigahertz solidly mounted resonators. Biosensors and Bioelectronics, 2017, 96, 206-212.   | 10.1 | 13        |
| 72 | Dimension-reconfigurable bubble film nanochannel for wetting based sensing. Nature<br>Communications, 2020, 11, 814.  | 12.8 | 13        |

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| 73 | A Supported Lipid Bilayer-Based Lab-on-a-Chip Biosensor for the Rapid Electrical Screening of<br>Coronavirus Drugs. ACS Sensors, 2022, 7, 2084-2092.  | 7.8  | 13        |
| 74 | Dual-Mode Gas Sensor Composed of a Silicon Nanoribbon Field Effect Transistor and a Bulk Acoustic<br>Wave Resonator: A Case Study in Freons. Sensors, 2018, 18, 343.  | 3.8  | 12        |
| 75 | Wireless gas sensing based on a passive piezoelectric resonant sensor array through near-field induction. Applied Physics Letters, 2016, 109, .   | 3.3  | 11        |
| 76 | Printed Highly Ordered Conductive Polymer Nanowires Doped with Biotinylated Polyelectrolytes for Biosensing Applications. Advanced Materials Interfaces, 2019, 6, 1900671.  | 3.7  | 11        |
| 77 | Ultra-rapid modulation of neurite outgrowth in a gigahertz acoustic streaming system. Lab on A Chip, 2021, 21, 1948-1955.   | 6.0  | 11        |
| 78 | A Microfluidic-Based Fabry-Pérot Gas Sensor. Micromachines, 2016, 7, 36.  | 2.9  | 9         |
| 79 | Solid-State Microfluidics with Integrated Thin-Film Acoustic Sensors. ACS Sensors, 2018, 3, 1584-1591.  | 7.8  | 9         |
| 80 | Phase separation of a nonionic surfactant aqueous solution in a standing surface acoustic wave for submicron particle manipulation. Lab on A Chip, 2021, 21, 660-667.   | 6.0  | 9         |
| 81 | Bidirectional Regulation of Cell Mechanical Motion via a Gold Nanorods-Acoustic Streaming System.<br>ACS Nano, 2022, 16, 8427-8439.   | 14.6 | 9         |
| 82 | Miniature Gigahertz Acoustic Resonator and On-Chip Electrochemical Sensor: An Emerging<br>Combination for Electroanalytical Microsystems. Analytical Chemistry, 2019, 91, 15959-15966.                                  | 6.5  | 8         |
| 83 | Wireless Controlled Local Heating and Mixing Multiple Droplets Using Micro-Fabricated Resonator Array for Micro-Reactor Applications. IEEE Access, 2017, 5, 25987-25992.  | 4.2  | 7         |
| 84 | Novel Gas Sensor Arrays Based on High-Q SAM-Modified Piezotransduced Single-Crystal Silicon Bulk<br>Acoustic Resonators. Sensors, 2017, 17, 1507.   | 3.8  | 7         |
| 85 | Plasmon mediated spectrally selective and sensitivity-enhanced uncooled near-infrared detector.<br>Journal of Colloid and Interface Science, 2021, 586, 67-74.  | 9.4  | 7         |
| 86 | A prototype portable instrument employing micro-preconcentrator and FBAR sensor for the detection<br>of chemical warfare agents. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision<br>Engineering, 2022, 5, . | 3.2  | 7         |
| 87 | Acoustically Triggered Disassembly of Multilayered Polyelectrolyte Thin Films through Gigahertz<br>Resonators for Controlled Drug Release Applications. Micromachines, 2016, 7, 194.                                    | 2.9  | 6         |
| 88 | Programmable multi-DNA release from multilayered polyelectrolytes using gigahertz<br>nano-electromechanical resonator. Journal of Nanobiotechnology, 2019, 17, 86.  | 9.1  | 6         |
| 89 | Smartphone-Enabled Aerosol Particle Analysis Device. IEEE Access, 2019, 7, 101117-101124.   | 4.2  | 6         |
| 90 | Hierarchical assembly of gold nanorod stripe patterns for sensing and cells alignment.<br>Nanotechnology, 2019, 30, 175302.   | 2.6  | 6         |

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| 91  | Resistive pulse sensing device with embedded nanochannel (nanochannel-RPS) for label-free biomolecule and bionanoparticle analysis. Nanotechnology, 2021, 32, 295507.                                      | 2.6  | 6         |
| 92  | Notched-ring structured microfluidic contact lens for intraocular pressure monitoring. Applied Physics Letters, 2021, 119, .   | 3.3  | 6         |
| 93  | On-Chip Arbitrary Manipulation of Single Particles by Acoustic Resonator Array. Analytical Chemistry, 2022, 94, 5392-5398.   | 6.5  | 6         |
| 94  | Mechanism and stability investigation of a nozzle-free droplet-on-demand acoustic ejector. Analyst,<br>The, 2021, 146, 5650-5657.  | 3.5  | 5         |
| 95  | In-Line Detection with Microfluidic Bulk Acoustic Wave Resonator Gas Sensor for Gas<br>Chromatography. Sensors, 2021, 21, 6800.  | 3.8  | 5         |
| 96  | Liquid phase mass production of air-stable black phosphorus/phospholipids nanocomposite with ultralow tunneling barrier. 2D Materials, 2018, 5, 025012.  | 4.4  | 4         |
| 97  | Hydrophobin-functionalized film bulk acoustic wave resonators for sensitive and polarity-sensitive sensitive sensing of volatile organic compounds. Applied Physics Letters, 2019, 115, .                  | 3.3  | 4         |
| 98  | Film Bulk Acoustic Wave Resonator for Trace Chemical Warfare Agents Simulants Detection in Micro Chromatography. , 2019, , .   |      | 4         |
| 99  | Three-dimensional biosensor surface based on novel thorns-like polyelectrolytes. Biosensors and<br>Bioelectronics, 2020, 167, 112504.  | 10.1 | 4         |
| 100 | Deep Learning Assisted Microfluidic Impedance Flow Cytometry for Label-free Foodborne Bacteria<br>Analysis and Classification. , 2021, 2021, 7087-7090.  |      | 4         |
| 101 | Mechanical Vibration Measurement of Solidly Mounted Resonator in Fluid by Atomic Force<br>Microscopy. Micromachines, 2017, 8, 244.   | 2.9  | 3         |
| 102 | Nanowires: Printed Highly Ordered Conductive Polymer Nanowires Doped with Biotinylated Interfaces, 2019, 6, 1970118.   | 3.7  | 3         |
| 103 | Liquid-Phase and Ultrahigh-Frequency-Acoustofluidics-Based Solid-Phase Synthesis of Biotin-Tagged<br>6′/3′-Sialyl-N-Acetylglucosamine by Sequential One-Pot Multienzyme System. Catalysts, 2020, 10, 1347. | 3.5  | 3         |
| 104 | Hypersound-Assisted Size Sorting of Microparticles on Inkjet-Patterned Protein Films. Langmuir, 2021,<br>37, 2826-2832.  | 3.5  | 3         |
| 105 | Acoustofluidic Based Wireless Micropump for Portable Drug Delivery Applications. , 2021, 2021, 1276-1279.  |      | 3         |
| 106 | In-line trapping and rotation of bio-particles via 3-D micro-vortices generated by localized ultrahigh frequency acoustic resonators. , 2017, , .  |      | 2         |
| 107 | Rapid Purification, Enrichment, and Detection of Biomolecules Using Bulk Acoustic Wave Resonators. , 2019, , .   |      | 2         |
| 108 | Biomolecules Detection Using Microstrip Sensor with Highly-ordered Nanowires Array. , 2019, , .  |      | 2         |

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|-----|--|-----|-----------|
| 109 | Controlled and Tunable Loading and Release of Vesicles by Using Gigahertz Acoustics. Angewandte<br>Chemie, 2019, 131, 165-169.   | 2.0 | 2         |
| 110 | Realâ€Time Detection of Nanoparticles Interaction with Lipid Membranes Using an Integrated Acoustical and Electrical Multimode Biosensor. Particle and Particle Systems Characterization, 2019, 36, 1800370.   | 2.3 | 2         |
| 111 | A combined virtual impactor and field-effect transistor microsystem for particulate matter<br>separation and detection. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering,<br>2021, 4, . | 3.2 | 2         |
| 112 | Simultaneously-Engineered Composition and Spatial Position of Metal/Metal-Oxide Nanowires for Hydrogen Sensing Applications. ACS Applied Nano Materials, 2022, 5, 3667-3675.                                   | 5.0 | 2         |
| 113 | On chip manipulation of carbon dots via gigahertz acoustic streaming for enhanced bioimaging and biosensing. Talanta, 2022, 245, 123462.   | 5.5 | 2         |
| 114 | Concentration-independent fingerprint library of volatile organic compounds based on gas-surface interactions by self-assembled monolayer functionalized film bulk acoustic resonator arrays. , 2015, , .      |     | 1         |
| 115 | Directly trapping of nanoscale biomolecules using bulk acoustic wave resonators. , 2016, , .   |     | 1         |
| 116 | Regulating the differentiation of PC12 by acoustic fluid stimulation. , 2019, , .  |     | 1         |
| 117 | Conducting polymer nanowires volatile organic compounds sensor array fabricated by soft lithography. , 2017, , .   |     | Ο         |
| 118 | Mechanical and Electrical Properties Characterization Towards Plant Cell Study Using Microfluidic<br>Impedance Device. , 2018, , .   |     | 0         |
| 119 | Supramolecular Interface for Biochemical Sensing Applications. , 2019, , 1-40.   |     | 0         |
| 120 | A portable nucleic acid extraction system based on gigahertz acoustic tweezers. , 2020, 2020, 6147-6150.   |     | 0         |
| 121 | Dual Functions of Ghz Frequency Acoustic Resonator System for Biosamples Capture and Sensing. ,<br>2020, 2020, 3994-3997.  |     | Ο         |
| 122 | Intracellular Delivery of Graphene Oxide Quantum Dots for Bio-Imaging and Ferric Ion Sensing Based on Bulk Acoustic Wave Resonator. , 2021, , .  |     | 0         |
| 123 | Supramolecular Interface for Biochemical Sensing Applications. , 2020, , 1277-1316.  |     | Ο         |
| 124 | A single-chip dual-transduction gas sensor for BTX detection. , 2021, , .  |     | 0         |
| 125 | Flexible piezoelectric self-powered pressure sensor with microstructured electrode. , 2021, , .  |     | Ο         |
| 126 | 100% Single Cell Encapsulation via Acoustofluidic Printing Based on a Gigahertz Acoustic Resonator. ,<br>2021, 2021, 1172-1175.  |     | 0         |