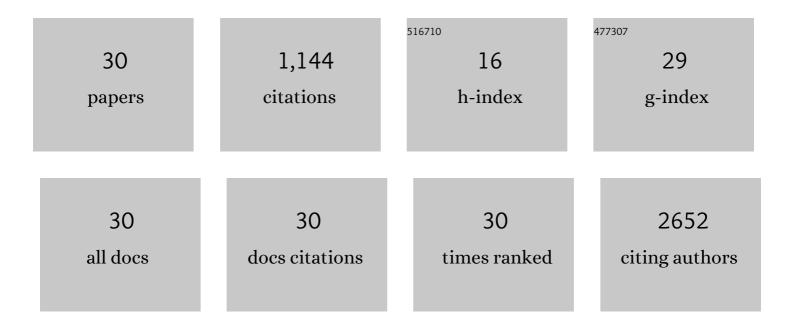
Gengzhao Xu

List of Publications by Year in descending order

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CENCZHAO XII

| # | Article | IF | CITATIONS |
|----|--|---------|-----------|
| 1 | Improved Performance of Printable Perovskite Solar Cells with Bifunctional Conjugated Organic Molecule. Advanced Materials, 2018, 30, 1705786. | 21.0 | 209 |
| 2 | Band Alignment Engineering in Two-Dimensional Lateral Heterostructures. Journal of the American Chemical Society, 2018, 140, 11193-11197. | 13.7 | 136 |
| 3 | SiO ₂ â€Enhanced Structural Stability and Strong Adhesion with a New Binder of Konjac Glucomannan Enables Stable Cycling of Silicon Anodes for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1800434. | 19.5 | 135 |
| 4 | Direct Vapor Growth of Perovskite CsPbBr ₃ Nanoplate Electroluminescence Devices. ACS Nano, 2017, 11, 9869-9876. | 14.6 | 117 |
| 5 | In Operando Mechanism Analysis on Nanocrystalline Silicon Anode Material for Reversible and Ultrafast Sodium Storage. Advanced Materials, 2017, 29, 1604708. | 21.0 | 95 |
| 6 | Charge transport mechanisms of graphene/semiconductor Schottky barriers: A theoretical and experimental study. Journal of Applied Physics, 2014, 115, . | 2.5 | 62 |
| 7 | Strong-Field-Enhanced Spectroscopy in Silicon Nanoparticle Electric and Magnetic Dipole Resonance near a Metal Surface. Journal of Physical Chemistry C, 2015, 119, 28127-28135. | 3.1 | 46 |
| 8 | Self-adaptive electronic contact between graphene and semiconductors. Applied Physics Letters, 2012, 100, . | 3.3 | 44 |
| 9 | Visualizing Carrier Transport in Metal Halide Perovskite Nanoplates via Electric Field Modulated Photoluminescence Imaging. Nano Letters, 2018, 18, 3024-3031. | 9.1 | 38 |
| 10 | Transition Voltage Spectroscopy of Porphyrin Molecular Wires. Small, 2010, 6, 2604-2611. | 10.0 | 35 |
| 11 | Enhanced perovskite electronic properties via A-site cation engineering. Fundamental Research, 2021, 1, 385-392. | 3.3 | 34 |
| 12 | Dualâ€channel type tunable fieldâ€effect transistors based on vertical bilayer WS _{2(1 â^' <i>x</i>)} Se _{2<i>x</i>} /SnS ₂ heterostructures. Informa Materiály, 2020, 2, 752-760. | ÄnlÄ7.3 | 32 |
| 13 | A Multifunctional Bis-Adduct Fullerene for Efficient Printable Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10835-10841. | 8.0 | 28 |
| 14 | Graphene in ohmic contact for both <i>n</i> -GaN and <i>p</i> -GaN. Applied Physics Letters, 2014, 104, . | 3.3 | 21 |
| 15 | Constant current etching of gold tips suitable for tip-enhanced Raman spectroscopy. Review of Scientific Instruments, 2012, 83, 103708. | 1.3 | 19 |
| 16 | A multiscale flexible pressure sensor based on nanovesicle-like hollow microspheres for micro-vibration detection in non-contact mode. Nanoscale, 2019, 11, 5737-5745. | 5.6 | 19 |
| 17 | STM Study of Molecule Double-Rows in Mixed Self-Assembled Monolayers of Alkanethiols. Langmuir, 2010, 26, 8174-8179. | 3.5 | 10 |
| 18 | Local ultra-violet surface photovoltage spectroscopy of single thread dislocations in gallium nitrides by Kelvin probe force microscopy. Applied Physics Letters, 2012, 101, . | 3.3 | 10 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Surface acoustic waves in semi-insulating Fe-doped GaN films grown by hydride vapor phase epitaxy. Applied Physics Letters, 2014, 105, . | 3.3 | 9 |
| 20 | Cl-Assisted Perovskite Crystallization Pathway in the Confined Space of Mesoporous Metal Oxides Unveiled by In Situ Grazing Incidence Wide-Angle X-ray Scattering. Chemistry of Materials, 2022, 34, 2231-2237. | 6.7 | 9 |
| 21 | Self-Absorption Effect in the Spatial Resolved Spectra of CdS Nano-Ribbon Optical Waveguide Observed by Near-Field Spectroscopy. Optical Review, 2006, 13, 235-238. | 2.0 | 7 |
| 22 | Polar-Induced Selective Epitaxial Growth of Multijunction Nanoribbons for High-Performance Optoelectronics. ACS Applied Materials & Interfaces, 2019, 11, 15813-15820. | 8.0 | 7 |
| 23 | Surface morphology of polar, semipolar and nonpolar freestanding GaN after chemical etching. Applied Surface Science, 2020, 511, 145524. | 6.1 | 6 |
| 24 | Nanoscale active hybrid plasmonic laser with a metal-clad metal–insulator–semiconductor square resonator. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1422. | 2.1 | 5 |
| 25 | Numerical analysis of vibration modes of a qPlus sensor with a long tip. Beilstein Journal of Nanotechnology, 2021, 12, 82-92. | 2.8 | 3 |
| 26 | Ultraviolet photoresponse of surface acoustic wave device based on Fe-doped high-resistivity GaN. Japanese Journal of Applied Physics, 2017, 56, 050307. | 1.5 | 2 |
| 27 | Measuring the local mobility of graphene on semiconductors. Physical Review Materials, 2018, 2, . | 2.4 | 2 |
| 28 | Chemical etching of freestanding N-polar GaN in control of the surface morphology. Applied Surface Science, 2022, 580, 152125. | 6.1 | 2 |
| 29 | Direct measurement for nanoscale vertical carrier diffusion on semiconductor surface—An approach toward scanning diffusion microscopy. Journal of Applied Physics, 2022, 131, . | 2.5 | 2 |
| 30 | The spectroscopic ellipsometry measurement of non-polar freestanding GaN: comparison between isotropic and anisotropic models. Journal Physics D: Applied Physics, 2022, 55, 235104. | 2.8 | 0 |