

Hai Li

List of Publications by Year in descending order

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179
papers

28,869
citations

13865

67
h-index

4885

168
g-index

185
all docs

185
docs citations

185
times ranked

33855
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Chiral cation promoted interfacial charge extraction for efficient tin-based perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 68, 789-796. | 12.9 | 16 |
| 2 | Single- and few-layer 2H-SnS ₂ and 4H-SnS ₂ nanosheets for high-performance photodetection. <i>Chinese Chemical Letters</i> , 2022, 33, 2611-2616. | 9.0 | 3 |
| 3 | Horseradish peroxidase-triggered direct in situ fluorescent immunoassay platform for sensing cardiac troponin I and SARS-CoV-2 nucleocapsid protein in serum. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113823. | 10.1 | 19 |
| 4 | Apparent Colors of 2D Materials. <i>Advanced Photonics Research</i> , 2022, 3, 2100221. | 3.6 | 8 |
| 5 | Ligand-assisted deposition of ultra-small Au nanodots on Fe ₂ O ₃ /reduced graphene oxide for flexible gas sensors. <i>Nanoscale Advances</i> , 2022, 4, 1345-1350. | 4.6 | 7 |
| 6 | Solvent-Free Preparation of Closely Packed MoS ₂ Nanoscrolls for Improved Photosensitivity. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9515-9524. | 8.0 | 10 |
| 7 | Metallic phase enabling MoS ₂ nanosheets as an efficient sonosensitizer for photothermal-enhanced sonodynamic antibacterial therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 136. | 9.1 | 38 |
| 8 | Deposition of Vertically Aligned Ag/Ag ₂ S Nanoflakes on EGaIn Particles for Humidity Sensing. <i>Chemistry - A European Journal</i> , 2022, 28, . | 3.3 | 7 |
| 9 | Direct Synthesis of MoS ₂ Nanosheets in Reduced Graphene Oxide Nanoscroll for Enhanced Photodetection. <i>Nanomaterials</i> , 2022, 12, 1581. | 4.1 | 6 |
| 10 | Intralayer Phonons in Multilayer Graphene Moiré Superlattices. <i>Research</i> , 2022, 2022, . | 5.7 | 4 |
| 11 | Realization of Oriented and Nanoporous Bismuth Chalcogenide Layers via Topochemical Heteroepitaxy for Flexible Gas Sensors. <i>Research</i> , 2022, 2022, . | 5.7 | 1 |
| 12 | Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. <i>Nature Communications</i> , 2022, 13, . | 12.8 | 95 |
| 13 | Growth of Cu ₂ O Nanoparticles on Two-Dimensional Zr-Ferrocene-Metal-Organic Framework Nanosheets for Photothermally Enhanced Chemodynamic Antibacterial Therapy. <i>Inorganic Chemistry</i> , 2022, 61, 9328-9338. | 4.0 | 55 |
| 14 | Ternary NiCoTi-layered double hydroxide nanosheets as a pH-responsive nanoagent for photodynamic/chemodynamic synergistic therapy. <i>Fundamental Research</i> , 2022, , . | 3.3 | 3 |
| 15 | Coplanar Pt/C Nanomeshes with Ultrastable Oxygen Reduction Performance in Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6533-6538. | 13.8 | 73 |
| 16 | A solvent decomposition and explosion approach for boron nanoplate synthesis. <i>Chemical Communications</i> , 2021, 57, 4922-4925. | 4.1 | 3 |
| 17 | Intrinsic effect of interfacial coupling on the high-frequency intralayer modes in twisted multilayer MoTe ₂ . <i>Nanoscale</i> , 2021, 13, 9732-9739. | 5.6 | 9 |
| 18 | Heterostructures between a tin-based intermetallic compound and a layered semiconductor for gas sensing. <i>Chemical Communications</i> , 2021, 57, 5590-5593. | 4.1 | 7 |

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|----|--|------|-----------|
| 19 | Coplanar Pt/C Nanomeshes with Ultrastable Oxygen Reduction Performance in Fuel Cells. <i>Angewandte Chemie</i> , 2021, 133, 6607-6612. | 2.0 | 9 |
| 20 | Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. <i>Small</i> , 2021, 17, e2007486. | 10.0 | 94 |
| 21 | Boosting Electrocatalytic Activity of 3d-Block Metal (Hydro)oxides by Ligand-Induced Conversion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10614-10619. | 13.8 | 101 |
| 22 | Direct Observation of the Light-Induced Exfoliation of Molybdenum Disulfide Sheets in Water Medium. <i>ACS Nano</i> , 2021, 15, 5661-5670. | 14.6 | 21 |
| 23 | Amorphization-induced surface electronic states modulation of cobaltous oxide nanosheets for lithium-sulfur batteries. <i>Nature Communications</i> , 2021, 12, 3102. | 12.8 | 103 |
| 24 | Direct CVD growth of MoS ₂ on chemically and thermally reduced graphene oxide nanosheets for improved photoresponse. <i>APL Materials</i> , 2021, 9, . | 5.1 | 6 |
| 25 | Ultra-Fast and Scalable Saline Immersion Strategy Enabling Uniform Zn Nucleation and Deposition for High-Performance Zn-Ion Batteries. <i>Small</i> , 2021, 17, e2101901. | 10.0 | 65 |
| 26 | Spatially Controlled Preparation of Layered Metallic-Semiconducting Metal Chalcogenide Heterostructures. <i>ACS Nano</i> , 2021, 15, 12171-12179. | 14.6 | 9 |
| 27 | Wrapping Plasmonic Silver Nanoparticles inside One-Dimensional Nanoscrolls of Transition-Metal Dichalcogenides for Enhanced Photoresponse. <i>Inorganic Chemistry</i> , 2021, 60, 4226-4235. | 4.0 | 17 |
| 28 | Silicon acid batteries enabled by a copper catalysed electrochemo-mechanical process. <i>Energy and Environmental Science</i> , 2021, 14, 6672-6677. | 30.8 | 2 |
| 29 | Design of Layer-Structured KAlF ₄ :Yb/Er for Pressure-Enhanced Upconversion Luminescence. <i>Advanced Optical Materials</i> , 2020, 8, 1901031. | 7.3 | 20 |
| 30 | Metallic 1T Phase Enabling MoS ₂ Nanodots as an Efficient Agent for Photoacoustic Imaging Guided Photothermal Therapy in the Near-Infrared Window. <i>Small</i> , 2020, 16, e2004173. | 10.0 | 150 |
| 31 | Treatment-dependent surface chemistry and gas sensing behavior of the thinnest member of titanium carbide MXenes. <i>Nanoscale</i> , 2020, 12, 16987-16994. | 5.6 | 45 |
| 32 | Ultrafast Microwave Activating Polarized Electron for Scalable Porous Al toward High-Energy-Density Batteries. <i>Nano Letters</i> , 2020, 20, 8818-8824. | 9.1 | 30 |
| 33 | Anion-dependent topochemical conversion of CoAl-LDH microplates to hierarchical superstructures of CoOOH nanoplates with controllable orientation. <i>Chemical Communications</i> , 2020, 56, 10285-10288. | 4.1 | 17 |
| 34 | Few-layer WSe ₂ lateral homo- and hetero-junctions with superior optoelectronic performance by laser manufacturing. <i>Science China Technological Sciences</i> , 2020, 63, 1531-1537. | 4.0 | 5 |
| 35 | Amorphous Metal Oxide Nanosheets Featuring Reversible Structure Transformations as Sodium-Ion Battery Anodes. <i>Cell Reports Physical Science</i> , 2020, 1, 100118. | 5.6 | 29 |
| 36 | Crack Formation on Crystalline Bismuth Oxychloride Thin Square Sheets by Using a Wet-Chemical Method. <i>ChemNanoMat</i> , 2020, 6, 759-764. | 2.8 | 7 |

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|----|---|------|-----------|
| 37 | Sustainable and Transparent Fish Gelatin Films for Flexible Electroluminescent Devices. ACS Nano, 2020, 14, 3876-3884. | 14.6 | 86 |
| 38 | Ag@MoS ₂ Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS ₂ . Journal of the American Chemical Society, 2020, 142, 7161-7167. | 13.7 | 185 |
| 39 | Temperature-dependent photoluminescence and time-resolved photoluminescence study of monolayer molybdenum disulfide. Optical Materials, 2020, 107, 110150. | 3.6 | 13 |
| 40 | Imparting Boron Nanosheets with Ambient Stability through Methyl Group Functionalization for Mechanistic Investigation of Their Lithiation Process. ACS Applied Materials & Interfaces, 2020, 12, 23370-23377. | 8.0 | 15 |
| 41 | Morphological and Spectroscopic Characterizations of Monolayer and Few-Layer MoS ₂ and WSe ₂ Nanosheets under Oxygen Plasma Treatment with Different Excitation Power: Implications for Modulating Electronic Properties. ACS Applied Nano Materials, 2020, 3, 4218-4230. | 5.0 | 12 |
| 42 | Scrolling bilayer WS ₂ /MoS ₂ heterostructures for high-performance photo-detection. Nano Research, 2020, 13, 959-966. | 10.4 | 49 |
| 43 | Origin of High Efficiency and Long-Term Stability in Ionic Liquid Perovskite Photovoltaic. Research, 2020, 2020, 2616345. | 5.7 | 59 |
| 44 | The influence of two-dimensional organic adlayer thickness on the ultralow frequency Raman spectra of transition metal dichalcogenide nanosheets. Science China Materials, 2019, 62, 181-193. | 6.3 | 5 |
| 45 | Unconventional solution-phase epitaxial growth of organic-inorganic hybrid perovskite nanocrystals on metal sulfide nanosheets. Science China Materials, 2019, 62, 43-53. | 6.3 | 20 |
| 46 | Benzodithiophene-modified terpolymer acceptors with reduced molecular planarity and crystallinity: improved performance and stability for all-polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 10338-10351. | 5.5 | 25 |
| 47 | A Universal Strategy for Stretchable Polymer Nonvolatile Memory via Tailoring Nanostructured Surfaces. Scientific Reports, 2019, 9, 10337. | 3.3 | 15 |
| 48 | 460 DDX5 regulates REG3A mRNA splicing to control wound healing in skin. Journal of Investigative Dermatology, 2019, 139, S79. | 0.7 | 0 |
| 49 | Engineering the Atomic Layer of RuO ₂ on PdO Nanosheets Boosts Oxygen Evolution Catalysis. ACS Applied Materials & Interfaces, 2019, 11, 42298-42304. | 8.0 | 38 |
| 50 | Accelerating the startup of microbial fuel cells by facile microbial acclimation. Bioresource Technology Reports, 2019, 8, 100347. | 2.7 | 16 |
| 51 | Achieving High Volumetric Lithium Storage Capacity in Compact Carbon Materials with Controllable Nitrogen Doping. Advanced Functional Materials, 2019, 29, 1807441. | 14.9 | 39 |
| 52 | Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. Frontiers in Chemistry, 2019, 7, 21. | 3.6 | 41 |
| 53 | Silver Nanowire-templated Molecular Nanopatterning and Nanoparticle Assembly for Surface-enhanced Raman Scattering. Chemistry - A European Journal, 2019, 25, 10561-10565. | 3.3 | 13 |
| 54 | Cross-dimensional electron-phonon coupling in van der Waals heterostructures. Nature Communications, 2019, 10, 2419. | 12.8 | 60 |

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|----|---|------|-----------|
| 55 | Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2019, 2, 3793-3801. | 5.0 | 35 |
| 56 | Impact of pH on Regulating Ion Encapsulation of Graphene Oxide Nanoscroll for Pressure Sensing. <i>Nanomaterials</i> , 2019, 9, 548. | 4.1 | 4 |
| 57 | Oxygen-incorporated MoX (X: S, Se or P) nanosheets via universal and controlled electrochemical anodic activation for enhanced hydrogen evolution activity. <i>Nano Energy</i> , 2019, 62, 338-347. | 16.0 | 102 |
| 58 | Ethanol Assisted Transfer for Clean Assembly of 2D Building Blocks and Suspended Structures. <i>Advanced Functional Materials</i> , 2019, 29, 1902427. | 14.9 | 14 |
| 59 | Band Structure Engineering of Interfacial Semiconductors Based on Atomically Thin Lead Iodide Crystals. <i>Advanced Materials</i> , 2019, 31, e1806562. | 21.0 | 79 |
| 60 | Thick Two-Dimensional Water Film Confined between the Atomically Thin Mica Nanosheet and Hydrophilic Substrate. <i>Langmuir</i> , 2019, 35, 5130-5139. | 3.5 | 4 |
| 61 | Engineering the Electronic Structure of Submonolayer Pt on Intermetallic Pd ₃ Pb via Charge Transfer Boosts the Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 19964-19968. | 13.7 | 99 |
| 62 | A general synthesis approach for amorphous noble metal nanosheets. <i>Nature Communications</i> , 2019, 10, 4855. | 12.8 | 321 |
| 63 | Anisotropic Cu@Cu-BTC core-shell nanostructure for memory device. <i>Chinese Chemical Letters</i> , 2019, 30, 1093-1096. | 9.0 | 3 |
| 64 | Stable single-atom platinum catalyst trapped in carbon onion graphitic shells for improved chemoselective hydrogenation of nitroarenes. <i>Carbon</i> , 2019, 143, 378-384. | 10.3 | 55 |
| 65 | Probing interlayer interactions in WSe ₂ -graphene heterostructures by ultralow-frequency Raman spectroscopy. <i>Frontiers of Physics</i> , 2019, 14, 1. | 5.0 | 16 |
| 66 | Effect of nanostructured silicon on surface enhanced Raman scattering. <i>RSC Advances</i> , 2018, 8, 6629-6633. | 3.6 | 16 |
| 67 | Ultrathin Palladium Nanomesh for Electrocatalysis. <i>Angewandte Chemie</i> , 2018, 130, 3493-3496. | 2.0 | 24 |
| 68 | The formation of perovskite multiple quantum well structures for high performance light-emitting diodes. <i>Npj Flexible Electronics</i> , 2018, 2, . | 10.7 | 46 |
| 69 | Carbon-supported metal single atom catalysts. <i>New Carbon Materials</i> , 2018, 33, 1-11. | 6.1 | 74 |
| 70 | Ultrathin Palladium Nanomesh for Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3435-3438. | 13.8 | 98 |
| 71 | Transformable masks for colloidal nanosynthesis. <i>Nature Communications</i> , 2018, 9, 563. | 12.8 | 67 |
| 72 | Wafer-Scale Ultrathin Two-Dimensional Conjugated Microporous Polymers: Preparation and Application in Heterostructure Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4010-4017. | 8.0 | 18 |

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|----|---|------|-----------|
| 73 | Transforming Monolayer Transition-Metal Dichalcogenide Nanosheets into One-Dimensional Nanoscrolls with High Photosensitivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13011-13018. | 8.0 | 45 |
| 74 | High phase-purity 1T ϵ^2 -MoS $_2$ - and 1T ϵ^2 -MoSe $_2$ -layered crystals. <i>Nature Chemistry</i> , 2018, 10, 638-643. | 13.6 | 757 |
| 75 | Low-temperature photoluminescence emission of monolayer MoS $_2$ on diverse substrates grown by CVD. <i>Journal of Luminescence</i> , 2018, 199, 210-215. | 3.1 | 35 |
| 76 | Polydopamine Dots-Based Fluorescent Nanoswitch Assay for Reversible Recognition of Glutamic Acid and Al ³⁺ in Human Serum and Living Cell. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35760-35769. | 8.0 | 37 |
| 77 | Perovskite light-emitting diodes based on spontaneously formed submicrometre-scale structures. <i>Nature</i> , 2018, 562, 249-253. | 27.8 | 1,555 |
| 78 | Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. <i>Nature Communications</i> , 2018, 9, 3611. | 12.8 | 49 |
| 79 | Crystal phase control in two-dimensional materials. <i>Science China Chemistry</i> , 2018, 61, 1227-1242. | 8.2 | 42 |
| 80 | Dynamic Ultralong Organic Phosphorescence by Photoactivation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8425-8431. | 13.8 | 241 |
| 81 | A flexible SERS-active film for studying the effect of non-metallic nanostructures on Raman enhancement. <i>Nanoscale</i> , 2018, 10, 16895-16901. | 5.6 | 24 |
| 82 | Orientation controlled preparation of nanoporous carbon nitride fibers and related composite for gas sensing under ambient conditions. <i>Nano Research</i> , 2017, 10, 1710-1719. | 10.4 | 33 |
| 83 | Grafting polymerization of single ϵ -handed helical poly(phenyl isocyanide)s on graphene oxide and their application in enantioselective separation. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2092-2103. | 2.3 | 14 |
| 84 | Non ϵ -Conjugated Polymer as an Efficient Dopant ϵ -Free Hole ϵ -Transporting Material for Perovskite Solar Cells. <i>ChemSusChem</i> , 2017, 10, 2578-2584. | 6.8 | 64 |
| 85 | Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal ϵ -Organic Frameworks and Ti ₃ C ₂ T _x Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2017, 11, 5800-5807. | 14.6 | 557 |
| 86 | Scrolling up graphene oxide nanosheets assisted by self-assembled monolayers of alkanethiols. <i>Nanoscale</i> , 2017, 9, 9997-10001. | 5.6 | 16 |
| 87 | Optical thickness identification of transition metal dichalcogenide nanosheets on transparent substrates. <i>Nanotechnology</i> , 2017, 28, 164001. | 2.6 | 20 |
| 88 | Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. <i>Nanoscale</i> , 2017, 9, 5102-5109. | 5.6 | 63 |
| 89 | Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. <i>Advanced Materials Technologies</i> , 2017, 2, 1600231. | 5.8 | 12 |
| 90 | Nitrogen-enriched pseudographitic anode derived from silk cocoon with tunable flexibility for microbial fuel cells. <i>Nano Energy</i> , 2017, 32, 382-388. | 16.0 | 98 |

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|-----|--|------|-----------|
| 91 | Interfacial Interactions in van der Waals Heterostructures of MoS ₂ and Graphene. ACS Nano, 2017, 11, 11714-11723. | 14.6 | 92 |
| 92 | Solution-processed nitrogen-rich graphene-like holey conjugated polymer for efficient lithium ion storage. Nano Energy, 2017, 41, 117-127. | 16.0 | 159 |
| 93 | Graphene oxide scroll meshes encapsulated Ag nanoparticles for humidity sensing. RSC Advances, 2017, 7, 40119-40123. | 3.6 | 16 |
| 94 | Synthesis of WO ₃ /WX ₂ (X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. Angewandte Chemie, 2017, 129, 10622-10626. | 2.0 | 7 |
| 95 | Synthesis of WO ₃ /WX ₂ (X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. Angewandte Chemie - International Edition, 2017, 56, 10486-10490. | 13.8 | 21 |
| 96 | Photoluminescence Enhancement Effect of the Layered MoS ₂ Film Grown by CVD. Journal of Engineering (United States), 2017, 2017, 1-8. | 1.0 | 3 |
| 97 | Ultralow-frequency Raman system down to 10 cm ⁻¹ with longpass edge filters and its application to the interface coupling in t(2+2)LGs. Review of Scientific Instruments, 2016, 87, 053122. | 1.3 | 11 |
| 98 | Strain engineering in monolayer WS ₂ , MoS ₂ , and the WS ₂ /MoS ₂ heterostructure. Applied Physics Letters, 2016, 109, . | 3.3 | 132 |
| 99 | Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. Journal of the American Chemical Society, 2016, 138, 13850-13853. | 13.7 | 132 |
| 100 | Templating C ₆₀ on MoS ₂ Nanosheets for 2D Hybrid van der Waals Nanoheterojunctions. Chemistry of Materials, 2016, 28, 4300-4306. | 6.7 | 58 |
| 101 | Random terpolymer with a cost-effective monomer and comparable efficiency to PTB7-Th for bulk-heterojunction polymer solar cells. Polymer Chemistry, 2016, 7, 926-932. | 3.9 | 43 |
| 102 | Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. Journal of the American Chemical Society, 2015, 137, 1565-1571. | 13.7 | 123 |
| 103 | Black Phosphorus Quantum Dots. Angewandte Chemie - International Edition, 2015, 54, 3653-3657. | 13.8 | 594 |
| 104 | A new V-shaped triphenylamine/diketopyrrolopyrrole containing donor material for small molecule organic solar cells. RSC Advances, 2015, 5, 68192-68199. | 3.6 | 16 |
| 105 | Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. Advanced Materials, 2015, 27, 935-939. | 21.0 | 322 |
| 106 | Two-Dimensional CuSe Nanosheets with Microscale Lateral Size: Synthesis and Template-Assisted Phase Transformation. Angewandte Chemie - International Edition, 2014, 53, 5083-5087. | 13.8 | 115 |
| 107 | Triangular Ag-Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. Nanoscale, 2014, 6, 11738-11743. | 5.6 | 43 |
| 108 | A Universal, Rapid Method for Clean Transfer of Nanostructures onto Various Substrates. ACS Nano, 2014, 8, 6563-6570. | 14.6 | 192 |

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|-----|--|------|-----------|
| 109 | Synthesis of Two-Dimensional Transition-Metal Phosphates with Highly Ordered Mesoporous Structures for Lithium-Ion Battery Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9352-9355. | 13.8 | 128 |
| 110 | Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701. | 14.6 | 168 |
| 111 | Fabrication of Ultralong Hybrid Microfibers from Nanosheets of Reduced Graphene Oxide and Transition-Metal Dichalcogenides and their Application as Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12576-12580. | 13.8 | 119 |
| 112 | Graphene Oxide Architectures Prepared by Molecular Combing on Hydrophilic-Hydrophobic Micropatterns. <i>Small</i> , 2014, 10, 2239-2244. | 10.0 | 23 |
| 113 | Copper-Based Ternary and Quaternary Semiconductor Nanoplates: Templated Synthesis, Characterization, and Photoelectrochemical Properties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8929-8933. | 13.8 | 118 |
| 114 | Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. <i>Nanoscale</i> , 2014, 6, 12340-12344. | 5.6 | 82 |
| 115 | Preparation and Applications of Mechanically Exfoliated Single-Layer and Multilayer MoS ₂ and WSe ₂ Nanosheets. <i>Accounts of Chemical Research</i> , 2014, 47, 1067-1075. | 15.6 | 1,374 |
| 116 | A Solution-Processed Hole Extraction Layer Made from Ultrathin MoS ₂ Nanosheets for Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 1262-1268. | 19.5 | 231 |
| 117 | Layer Thinning and Etching of Mechanically Exfoliated MoS ₂ Nanosheets by Thermal Annealing in Air. <i>Small</i> , 2013, 9, 3314-3319. | 10.0 | 229 |
| 118 | Rapid and Reliable Thickness Identification of Two-Dimensional Nanosheets Using Optical Microscopy. <i>ACS Nano</i> , 2013, 7, 10344-10353. | 14.6 | 359 |
| 119 | Modulating electronic transport properties of MoS ₂ field effect transistor by surface overlayers. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 88 |
| 120 | Interlayer Breathing and Shear Modes in Few-Trilayer MoS ₂ and WSe ₂ . <i>Nano Letters</i> , 2013, 13, 1007-1015. | 9.1 | 576 |
| 121 | Investigation of MoS ₂ and Graphene Nanosheets by Magnetic Force Microscopy. <i>ACS Nano</i> , 2013, 7, 2842-2849. | 14.6 | 117 |
| 122 | Mechanical Exfoliation and Characterization of Single- and Few-Layer Nanosheets of WSe ₂ , TaS ₂ , and TaSe ₂ . <i>Small</i> , 2013, 9, 1974-1981. | 10.0 | 544 |
| 123 | Single-Layer MoS ₂ -Based Nanoprobes for Homogeneous Detection of Biomolecules. <i>Journal of the American Chemical Society</i> , 2013, 135, 5998-6001. | 13.7 | 995 |
| 124 | Plasmonic enhancement of photocurrent in MoS ₂ field-effect-transistor. <i>Applied Physics Letters</i> , 2013, 102, . | 3.3 | 201 |
| 125 | A Bio-Inspired Platform to Modulate Myogenic Differentiation of Human Mesenchymal Stem Cells Through Focal Adhesion Regulation. <i>Advanced Healthcare Materials</i> , 2013, 2, 442-449. | 7.6 | 40 |
| 126 | Graphene Oxide Scrolls on Hydrophobic Substrates Fabricated by Molecular Combing and Their Application in Gas Sensing. <i>Small</i> , 2013, 9, 382-386. | 10.0 | 57 |

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|-----|---|------|-----------|
| 127 | VAULT PROTEIN-TEMPLATED ASSEMBLIES OF NANOPARTICLES. <i>Nano</i> , 2012, 07, 1250001. | 1.0 | 2 |
| 128 | Surface Modification of Smooth Poly(l-lactic acid) Films for Gelatin Immobilization. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 687-693. | 8.0 | 38 |
| 129 | Facile growth of a single-crystal pattern: a case study of HKUST-1. <i>Chemical Communications</i> , 2012, 48, 11901. | 4.1 | 10 |
| 130 | Molecular Mechanism of Surface-Assisted Epitaxial Self-Assembly of Amyloid-like Peptides. <i>ACS Nano</i> , 2012, 6, 9276-9282. | 14.6 | 29 |
| 131 | Fabrication of Single- and Multilayer MoS ₂ Film-Based Field-Effect Transistors for Sensing NO at Room Temperature. <i>Small</i> , 2012, 8, 63-67. | 10.0 | 1,346 |
| 132 | Optical Identification of Single- and Few-Layer MoS ₂ Sheets. <i>Small</i> , 2012, 8, 682-686. | 10.0 | 290 |
| 133 | Gold-Nanoparticle-Embedded Polydimethylsiloxane Elastomers for Highly Sensitive Raman Detection. <i>Small</i> , 2012, 8, 1336-1340. | 10.0 | 72 |
| 134 | Fabrication of Flexible MoS ₂ Thin-Film Transistor Arrays for Practical Gas Sensing Applications. <i>Small</i> , 2012, 8, 2994-2999. | 10.0 | 817 |
| 135 | Surface-Enhanced Raman Scattering of Ag-Au Nanodisk Heterodimers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10390-10395. | 3.1 | 31 |
| 136 | Single-Layer MoS ₂ Phototransistors. <i>ACS Nano</i> , 2012, 6, 74-80. | 14.6 | 3,103 |
| 137 | A Universal Method to Produce Low-Work Function Electrodes for Organic Electronics. <i>Science</i> , 2012, 336, 327-332. | 12.6 | 1,878 |
| 138 | High-density metallic nanogaps fabricated on solid substrates used for surface enhanced Raman scattering. <i>Nanoscale</i> , 2012, 4, 860-863. | 5.6 | 43 |
| 139 | Fabrication of Graphene Nanomesh by Using an Anodic Aluminum Oxide Membrane as a Template. <i>Advanced Materials</i> , 2012, 24, 4138-4142. | 21.0 | 183 |
| 140 | Graphene Oxide as a Novel NanoplatforM for Enhancement of Aggregation-Induced Emission of Silole Fluorophores. <i>Advanced Materials</i> , 2012, 24, 4191-4195. | 21.0 | 85 |
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