# Weina Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

| | | 17405 | 18606 |
|---|---|---|---|
| 160 | 14,776 | 63 | 119 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 162 | 162 | 162 | 19664 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatial compartmentalization of metal nanoparticles within metal-organic frameworks for tandem reaction. Nano Research, 2022, 15, 1178-1182. | 5.8 | 9 |
| 2 | Fabrication of Two-Dimensional Metalâ€“Organic Framework Nanosheets through Crystal Dissolutionâ€“Growth Kinetics. ACS Applied Materials & Interfaces, 2022, 14, 7192-7199. | 4.0 | 13 |
| 3 | Amorphous Chromium Oxide with Hollow Morphology for Nitrogen Electrochemical Reduction under Ambient Conditions. ACS Applied Materials & Interfaces, 2022, 14, 14474-14481. | 4.0 | 8 |
| 4 | Rational Synthesis and Regulation of Hollow Structural Materials for Electrocatalytic Nitrogen Reduction Reaction. Advanced Science, 2022, 9, e2104183. | 5.6 | 33 |
| 5 | Phase transition of metalâ€“organic frameworks for the encapsulation of enzymes. Journal of Materials Chemistry A, 2022, 10, 19881-19892. | 5.2 | 10 |
| 6 | A leather-based electrolyte for all-in-one configured flexible supercapacitors. Chemical Communications, 2022, 58, 7070-7073. | 2.2 | 1 |
| 7 | Multi-responsive luminescent coordination polymer nanosheets for selective detection of nitroaromatics. Chemical Communications, 2022, 58, 7809-7812. | 2.2 | 8 |
| 8 | Modifiers versus Channels: Creating Shapeâ€Selective Catalysis of Metal Nanoparticles/Porous Nanomaterials. Angewandte Chemie - International Edition, 2021, 60, 976-982. | 7.2 | 30 |
| 9 | Emerging porous nanosheets: From fundamental synthesis to promising applications. Nano Research, 2021, 14, 1-28. | 5.8 | 69 |
| 10 | Modifiers versus Channels: Creating Shapeâ€Selective Catalysis of Metal Nanoparticles/Porous Nanomaterials. Angewandte Chemie, 2021, 133, 989-995. | 1.6 | 3 |
| 11 | The Role of Defects in Metalâ€“Organic Frameworks for Nitrogen Reduction Reaction: When Defects Switch to Features. Advanced Functional Materials, 2021, 31, 2010052. | 7.8 | 92 |
| 12 | Binding Site Effect in Metalâ€Organic Frameworks for Property Regulation of Metal Nanoparticles. Small Structures, 2021, 2, 2000119. | 6.9 | 12 |
| 13 | Programmable Logic in Metalâ€“Organic Frameworks for Catalysis. Advanced Materials, 2021, 33, e2007442. | 11.1 | 129 |
| 14 | The Encounter of Biomolecules in Metalâ€“Organic Framework Micro/Nano Reactors. ACS Applied Materials & Interfaces, 2021, 13, 52215-52233. | 4.0 | 12 |
| 15 | Prediction Descriptor for Catalytic Activity of Platinum Nanoparticles/Metalâ€“Organic Framework Composites. ACS Applied Materials & Interfaces, 2021, 13, 38325-38332. | 4.0 | 14 |
| 16 | Construction of hierarchical-porous metalâ€“organic frameworks through esterification reaction for efficient catalysis. Chemical Communications, 2021, 57, 10795-10798. | 2.2 | 3 |
| 17 | Anisotropic MOF-on-MOF Growth of Isostructural Multilayer Metalâ€“Organic Framework Heterostructures. Research, 2021, 2021, 9854946. | 2.8 | 6 |
| 18 | Three-Dimensional Multilayered Interconnected Network of Conjugated Carbon Nanofibers Encapsulated Silicon/Graphene Oxide for Lithium Storage. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 801-807. | 1.9 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | SnSe<sub>2</sub> Nanoparticles Chemically Embedded in a Carbon Shell for High-Rate Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2020, 12, 2346-2353. | 4.0 | 77 |
| 20 | Metalâ€“Organic Frameworks as Metal Ion Precursors for the Synthesis of Nanocomposites for Lithiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 4793-4799. | 1.6 | 7 |
| 21 | Metalâ€“Organic Frameworks as Metal Ion Precursors for the Synthesis of Nanocomposites for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 4763-4769. | 7.2 | 52 |
| 22 | Crystalâ€Growthâ€Dominated Fabrication of Metalâ€“Organic Frameworks with Orderly Distributed Hierarchical Porosity. Angewandte Chemie, 2020, 132, 2478-2485. | 1.6 | 5 |
| 23 | Crystalâ€Growthâ€Dominated Fabrication of Metalâ€“Organic Frameworks with Orderly Distributed Hierarchical Porosity. Angewandte Chemie - International Edition, 2020, 59, 2457-2464. | 7.2 | 53 |
| 24 | Skin Conformal and Antibacterial PPyâ€Leather Electrode for ECG Monitoring. Advanced Electronic Materials, 2020, 6, 2000259. | 2.6 | 26 |
| 25 | Exploring the Fundamental Roles of Functionalized Ligands in Platinum@Metalâ€“Organic Framework Catalysts. ACS Applied Materials & Interfaces, 2020, 12, 52660-52667. | 4.0 | 26 |
| 26 | CNT@leather-based electronic bidirectional pressure sensor. Science China Technological Sciences, 2020, 63, 2137-2146. | 2.0 | 8 |
| 27 | Co nanoparticles combined with nitrogen-doped graphitic carbon anchored on carbon fibers as a self-standing air electrode for flexible zincâ€“air batteries. Journal of Materials Chemistry A, 2020, 8, 7184-7191. | 5.2 | 28 |
| 28 | Encapsulation of Hydrophobic Guests within Metalâ€“Organic Framework Capsules for Regulating Hostâ€“Guest Interaction. Chemistry of Materials, 2020, 32, 3553-3560. | 3.2 | 27 |
| 29 | Thermal Shrinkage Behavior of Metalâ€“Organic Frameworks. Advanced Functional Materials, 2020, 30, 2001389. | 7.8 | 35 |
| 30 | Hydrophilic nano-porous carbon derived from egg whites for highly efficient capacitive deionization. Applied Surface Science, 2020, 512, 145740. | 3.1 | 31 |
| 31 | Zeolitic imidazolate framework-8 templated synthesis of a heterogeneous Pd catalyst for remediation of chlorophenols pollution. Chemical Communications, 2020, 56, 3143-3146. | 2.2 | 7 |
| 32 | Transitional MOFs: Exposing Metal Sites with Porosity for Enhancing Catalytic Reaction Performance. ACS Applied Materials & Interfaces, 2020, 12, 23968-23975. | 4.0 | 20 |
| 33 | An in situ decorated cathode with LiF and F@C for performance enhanced Liâ€“S batteries. Chemical Communications, 2020, 56, 6444-6447. | 2.2 | 5 |
| 34 | Microenvironment of MOF Channel Coordination with Pt NPs for Selective Hydrogenation of Unsaturated Aldehydes. ACS Catalysis, 2020, 10, 5805-5813. | 5.5 | 88 |
| 35 | 3D-conductive pathway written on leather for highly sensitive and durable electronic whisker. Journal of Materials Chemistry C, 2020, 8, 9748-9754. | 2.7 | 15 |
| 36 | Highâ€Precision Size Recognition and Separation in Synthetic 1D Nanochannels. Angewandte Chemie - International Edition, 2019, 58, 15922-15927. | 7.2 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Cellulose Nanofiber @ Conductive Metalâ€“Organic Frameworks for High-Performance Flexible Supercapacitors. ACS Nano, 2019, 13, 9578-9586. | 7.3 | 227 |
| 38 | Multiple Active Sites of Carbon for Highâ€Rate Surfaceâ€Capacitive Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2019, 58, 13584-13589. | 7.2 | 98 |
| 39 | Encapsulating NiCo<sub>2</sub>O<sub>4</sub> inside metalâ€“organic framework sandwiched graphene oxide 2D composite nanosheets for high-performance lithium-ion batteries. Nanoscale, 2019, 11, 15166-15172. | 2.8 | 27 |
| 40 | Selective Growth of a Discontinuous Subnanometer Pd Film on Carbon Defects for Liâ€“O<sub>2</sub> Batteries. ACS Energy Letters, 2019, 4, 2782-2786. | 8.8 | 50 |
| 41 | Leatherâ€Based Strain Sensor with Hierarchical Structure for Motion Monitoring. Advanced Materials Technologies, 2019, 4, 1900442. | 3.0 | 37 |
| 42 | Directed Selfâ€Assembly of MOFâ€Derived Nanoparticles toward Hierarchical Structures for Enhanced Catalytic Activity in CO Oxidation. Advanced Energy Materials, 2019, 9, 1901754. | 10.2 | 30 |
| 43 | Engineering channels of metalâ€“organic frameworks to enhance catalytic selectivity. Chemical Communications, 2019, 55, 11770-11773. | 2.2 | 27 |
| 44 | Regulation of Cobaltâ€“Nickel LDHsâ€™ Structure and Components for Optimizing the Performance of an Electrochemical Sensor. ACS Applied Nano Materials, 2019, 2, 6387-6396. | 2.4 | 33 |
| 45 | Dual-component LixTiO2@silica functional coating in one layer for performance enhanced LiNi0.6Co0.2Mn0.2O2 cathode. Nano Energy, 2019, 58, 673-679. | 8.2 | 84 |
| 46 | Exploring the charge reactions in a Liâ€“O<sub>2</sub> system with lithium oxide cathodes and nonaqueous electrolytes. Journal of Materials Chemistry A, 2019, 7, 15615-15620. | 5.2 | 6 |
| 47 | Ultrathin 2D Cu-porphyrin MOF nanosheets as a heterogeneous catalyst for styrene oxidation. Materials Chemistry Frontiers, 2019, 3, 1580-1585. | 3.2 | 45 |
| 48 | High-resolution colorimetric detection of lipase activity based on enzyme-controlled reshaping of gold nanorods. Analytical Methods, 2019, 11, 2286-2291. | 1.3 | 6 |
| 49 | Rational design of multi-functional CoS@rGO composite for performance enhanced Li-S cathode. Journal of Power Sources, 2019, 421, 132-138. | 4.0 | 54 |
| 50 | Wearable Leather-Based Electronics for Respiration Monitoring. ACS Applied Bio Materials, 2019, 2, 1427-1431. | 2.3 | 39 |
| 51 | Colour-tunable ultra-long organic phosphorescence of a single-component molecular crystal. Nature Photonics, 2019, 13, 406-411. | 15.6 | 579 |
| 52 | Conductive MOF-Modified Separator for Mitigating the Shuttle Effect of Lithiumâ€“Sulfur Battery through a Filtration Method. ACS Applied Materials & Interfaces, 2019, 11, 11459-11465. | 4.0 | 141 |
| 53 | Functional Macroâ€Microporous Metalâ€“Organic Frameworks for Improving the Catalytic Performance. Small Methods, 2019, 3, 1800547. | 4.6 | 35 |
| 54 | Solving the Water Hypersensitive Challenge of Sulfated Solid Superacid in Acid-Catalyzed Reactions. ACS Applied Materials & Interfaces, 2019, 11, 9919-9924. | 4.0 | 13 |

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|---|---|---|---|
| 55 | Designing Li-protective layer via SOCl2 additive for stabilizing lithium-sulfur battery. Energy Storage Materials, 2019, 18, 222-228. | 9.5 | 84 |
| 56 | Repurposed Leather with Sensing Capabilities for Multifunctional Electronic Skin. Advanced Science, 2019, 6, 1801283. | 5.6 | 119 |
| 57 | Multicomponent metalâ€“organic framework derivatives for optimizing the selective catalytic performance of styrene epoxidation reaction. Nanoscale, 2018, 10, 8772-8778. | 2.8 | 40 |
| 58 | Catalyst surfaces with tunable hydrophilicity and hydrophobicity: metalâ€“organic frameworks toward controllable catalytic selectivity. Chemical Communications, 2018, 54, 3936-3939. | 2.2 | 43 |
| 59 | Siteâ€Selective Catalysis of a Multifunctional Linear Molecule: The Steric Hindrance of Metalâ€“Organic Framework Channels. Advanced Materials, 2018, 30, e1800643. | 11.1 | 62 |
| 60 | Selenium-functionalized metal-organic frameworks as enzyme mimics. Nano Research, 2018, 11, 5761-5768. | 5.8 | 35 |
| 61 | Interweaving metalâ€“organic framework-templated Coâ€“Ni layered double hydroxide nanocages with nanocellulose and carbon nanotubes to make flexible and foldable electrodes for energy storage devices. Journal of Materials Chemistry A, 2018, 6, 24050-24057. | 5.2 | 95 |
| 62 | Construction of Hierarchically Porous Nanoparticles@Metalâ€“Organic Frameworks Composites by Inherent Defects for the Enhancement of Catalytic Efficiency. Advanced Materials, 2018, 30, e1803263. | 11.1 | 88 |
| 63 | Hollow Niâ€“CoSe<sub>2</sub> Embedded in Nitrogen-Doped Carbon Nanocomposites Derived from Metalâ€“Organic Frameworks for High-Rate Anodes. ACS Applied Materials & Interfaces, 2018, 10, 38845-38852. | 4.0 | 51 |
| 64 | Paving Metalâ€“Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. Journal of the American Chemical Society, 2018, 140, 15507-15515. | 6.6 | 85 |
| 65 | Stretchable Conductive Fibers Based on a Cracking Control Strategy for Wearable Electronics. Advanced Functional Materials, 2018, 28, 1801683. | 7.8 | 100 |
| 66 | Highly Stretchable and Transparent Thermistor Based on Self-Healing Double Network Hydrogel. ACS Applied Materials & Interfaces, 2018, 10, 19097-19105. | 4.0 | 168 |
| 67 | Compartmentalization within Selfâ€Assembled Metalâ€“Organic Framework Nanoparticles for Tandem Reactions. Advanced Functional Materials, 2018, 28, 1802479. | 7.8 | 55 |
| 68 | Designing MOFs-Derived FeS<sub>2</sub>@Carbon Composites for High-Rate Sodium Ion Storage with Capacitive Contributions. ACS Applied Materials & Interfaces, 2018, 10, 33097-33104. | 4.0 | 126 |
| 69 | Metalâ€“organic framework derived leaf-like CoSNC nanocomposites for supercapacitor electrodes. Nanoscale, 2018, 10, 17958-17964. | 2.8 | 23 |
| 70 | Controlled Encapsulation of Functional Organic Molecules within Metalâ€“Organic Frameworks: In Situ Crystalline Structure Transformation. Advanced Materials, 2017, 29, 1606290. | 11.1 | 65 |
| 71 | Rutheniumâ€Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for Liâ€O<sub>2</sub> Batteries. ChemNanoMat, 2017, 3, 415-419. | 1.5 | 14 |
| 72 | Synthesis of porous CoMoO<sub>4</sub>nanorods as a bifunctional cathode catalyst for a Liâ€“O<sub>2</sub>battery and superior anode for a Li-ion battery. Nanoscale, 2017, 9, 3898-3904. | 2.8 | 60 |

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|---|---|---|---|
| 73 | Regulating the spatial distribution of metal nanoparticles within metal-organic frameworks to enhance catalytic efficiency. Nature Communications, 2017, 8, 14429. | 5.8 | 179 |
| 74 | Effect of oxygen adsorbability on the control of Li2O2 growth in Li-O2 batteries: Implications for cathode catalyst design. Nano Energy, 2017, 36, 68-75. | 8.2 | 93 |
| 75 | Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). ACS Nano, 2017, 11, 4943-4949. | 7.3 | 109 |
| 76 | Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metalâ€“Organic Framework for Anode Material in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 17172-17177. | 4.0 | 89 |
| 77 | Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. Nano Letters, 2017, 17, 4122-4129. | 4.5 | 117 |
| 78 | Multiâ€shelled Hollow Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2017, 56, 5512-5516. | 7.2 | 280 |
| 79 | InnenrÃ¼cktitelbild: Multiâ€shelled Hollow Metalâ€“Organic Frameworks (Angew. Chem. 20/2017). Angewandte Chemie, 2017, 129, 5723-5723. | 1.6 | 0 |
| 80 | Multiâ€shelled Hollow Metalâ€“Organic Frameworks. Angewandte Chemie, 2017, 129, 5604-5608. | 1.6 | 45 |
| 81 | Metalâ€Organic Framework Wears a Protective Cover for Improved Stability. Chemistry - A European Journal, 2017, 23, 7663-7666. | 1.7 | 21 |
| 82 | Metalâ€“Organic Framework Derivatives for Improving the Catalytic Activity of the CO Oxidation Reaction. ACS Applied Materials & Interfaces, 2017, 9, 15394-15398. | 4.0 | 53 |
| 83 | Seleniumâ€Containing Polymer@Metalâ€Organic Frameworks Nanocomposites as an Efficient Multiresponsive Drug Delivery System. Advanced Functional Materials, 2017, 27, 1605465. | 7.8 | 139 |
| 84 | Fabrication of Flexible Transparent Electrode with Enhanced Conductivity from Hierarchical Metal Grids. ACS Applied Materials & Interfaces, 2017, 9, 39110-39115. | 4.0 | 52 |
| 85 | Interlayer-Expanded Metal Sulfides on Graphene Triggered by a Molecularly Self-Promoting Process for Enhanced Lithium Ion Storage. ACS Applied Materials & Interfaces, 2017, 9, 40317-40323. | 4.0 | 28 |
| 86 | Recent advances in understanding of the mechanism and control of Li<sub>2</sub>O<sub>2</sub>formation in aprotic Liâ€“O<sub>2</sub>batteries. Chemical Society Reviews, 2017, 46, 6046-6072. | 18.7 | 314 |
| 87 | Nanoparticles@nanoscale metal-organic framework composites as highly efficient heterogeneous catalysts for size- and shape-selective reactions. Nano Research, 2017, 10, 3826-3835. | 5.8 | 76 |
| 88 | Hybridization of Metal Nanoparticles with Metalâ€“Organic Frameworks Using Protein as Amphiphilic Stabilizer. ACS Applied Materials & Interfaces, 2017, 9, 24649-24654. | 4.0 | 11 |
| 89 | Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€“Organic Frameworkâ€Based Electronic Devices. Angewandte Chemie, 2016, 128, 9030-9034. | 1.6 | 19 |
| 90 | Alcoholâ€Mediated Resistanceâ€Switching Behavior in Metalâ€“Organic Frameworkâ€Based Electronic Devices. Angewandte Chemie - International Edition, 2016, 55, 8884-8888. | 7.2 | 72 |

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|---|---|---|---|
| 91 | Elucidating the Sole Contribution from Electromagnetic Nearâ€Fields in Plasmonâ€Enhanced Cu<sub>2</sub>O Photocathodes. Advanced Energy Materials, 2016, 6, 1501250. | 10.2 | 31 |
| 92 | A new breakthrough in selective catalysis: metal-organic framework nanocomposites with sandwich structure. Science Bulletin, 2016, 61, 1726-1727. | 4.3 | 5 |
| 93 | Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. Advanced Materials, 2016, 28, 10282-10286. | 11.1 | 148 |
| 94 | Metalâ€“Organic Frameworks as Promising Photosensitizers for Photoelectrochemical Water Splitting. Advanced Science, 2016, 3, 1500243. | 5.6 | 100 |
| 95 | Encapsulation of metal layers within metalâ€“organic frameworks as hybrid thin films for selective catalysis. Nano Research, 2016, 9, 158-164. | 5.8 | 40 |
| 96 | Water-soluble metal nanoparticles stabilized by plant polyphenols for improving the catalytic properties in oxidation of alcohols. Nanoscale, 2016, 8, 1049-1054. | 2.8 | 21 |
| 97 | Mesoporous Silica Gelâ€“Based Mixed Matrix Membranes for Improving Mass Transfer in Forward Osmosis: Effect of Pore Size of Filler. Scientific Reports, 2015, 5, 16808. | 1.6 | 14 |
| 98 | Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamineâ€Based Organic Small Molecules through Donorâ€Acceptor Design. Asian Journal of Organic Chemistry, 2015, 4, 646-651. | 1.3 | 13 |
| 99 | Wellâ€Dispersed and Sizeâ€Controlled Supported Metal Oxide Nanoparticles Derived from MOF Composites and Further Application in Catalysis. Small, 2015, 11, 3130-3134. | 5.2 | 70 |
| 100 | A plasmonic nanosensor for lipase activity based on enzyme-controlled gold nanoparticles growth in situ. Nanoscale, 2015, 7, 6039-6044. | 2.8 | 18 |
| 101 | Synthesis of stable heterogeneous catalysts by supporting carbon-stabilized palladium nanoparticles on MOFs. Nanoscale, 2015, 7, 8720-8724. | 2.8 | 46 |
| 102 | Colorimetric Assay for Heterogeneous-Catalyzed Lipase Activity: Enzyme-Regulated Gold Nanoparticle Aggregation. Journal of Agricultural and Food Chemistry, 2015, 63, 39-42. | 2.4 | 40 |
| 103 | Synthesis of MOFs and Their Composite Structures through Sacrificial-Template Strategy. Crystal Growth and Design, 2015, 15, 1017-1021. | 1.4 | 31 |
| 104 | Parallel Near-Field Photolithography with Metal-Coated Elastomeric Masks. Langmuir, 2015, 31, 1210-1217. | 1.6 | 21 |
| 105 | The structural and catalytic properties of nanoparticles@MOF composites: A case study of Au@ZIF-8 hybrid crystals. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 69, 56-60. | 1.3 | 10 |
| 106 | Multifunctional Alumina Composites with Toughening and Crackâ€Healing Features Via Incorporation of NiAl Particles. Journal of the American Ceramic Society, 2015, 98, 1618-1625. | 1.9 | 12 |
| 107 | CuO/Cu<sub>2</sub>O porous composites: shape and composition controllable fabrication inherited from metal organic frameworks and further application in CO oxidation. Journal of Materials Chemistry A, 2015, 3, 5294-5298. | 5.2 | 100 |
| 108 | MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 8483-8488. | 5.2 | 178 |

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|---|---|---|---|
| 109 | Metalâ€“organic framework-based porous matrix membranes for improving mass transfer in forward osmosis membranes. Journal of Membrane Science, 2015, 492, 392-399. | 4.1 | 80 |
| 110 | A template-free method for stable CuO hollow microspheres fabricated from a metal organic framework (HKUST-1). Nanoscale, 2015, 7, 9411-9415. | 2.8 | 33 |
| 111 | Centimeter-Scale Subwavelength Photolithography Using Metal-Coated Elastomeric Photomasks with Modulated Light Intensity at the Oblique Sidewalls. Langmuir, 2015, 31, 5005-5013. | 1.6 | 9 |
| 112 | Metalâ€“organic framework composites: from fundamentals to applications. Nanoscale, 2015, 7, 7482-7501. | 2.8 | 410 |
| 113 | Mesoporous Metalâ€“Organic Frameworks with Sizeâ€, Shapeâ€, and Spaceâ€Distributionâ€Controlled Pore Structure. Advanced Materials, 2015, 27, 2923-2929. | 11.1 | 217 |
| 114 | Rewritable Multilevel Memory Performance of a Tetraazatetracene Donorâ€“Acceptor Derivative with Good Endurance. Chemistry - an Asian Journal, 2015, 10, 116-119. | 1.7 | 65 |
| 115 | Synthesis and characterization of silica gelâ€“polyacrylonitrile mixed matrix forward osmosis membranes based on layer-by-layer assembly. Separation and Purification Technology, 2014, 124, 207-216. | 3.9 | 40 |
| 116 | Designable Yolkâ€“Shell Nanoparticle@MOF Petalous Heterostructures. Chemistry of Materials, 2014, 26, 1119-1125. | 3.2 | 207 |
| 117 | Controlled incorporation of nanoparticles in metalâ€“organic framework hybrid thin films. Chemical Communications, 2014, 50, 4296. | 2.2 | 38 |
| 118 | An electrochemical sensor for detecting triglyceride based on biomimetic polydopamine and gold nanocomposite. Journal of Materials Chemistry B, 2014, 2, 8490-8495. | 2.9 | 34 |
| 119 | Selfâ€Assembled Metalâ€Organic Frameworks Crystals for Chemical Vapor Sensing. Small, 2014, 10, 3672-3676. | 5.2 | 77 |
| 120 | Ultrathin MnO2 nanoflakes as efficient catalysts for oxygen reduction reaction. Chemical Communications, 2014, 50, 7885. | 2.2 | 113 |
| 121 | In situ synthesis of large-area single sub-10 nm nanoparticle arrays by polymer pen lithography. Nanoscale, 2014, 6, 749-752. | 2.8 | 39 |
| 122 | An in situ approach for facile fabrication of robust and scalable SERS substrates. Nanoscale, 2014, 6, 7232-7236. | 2.8 | 10 |
| 123 | Stable Quantum Dot Photoelectrolysis Cell for Unassisted Visible Light Solar Water Splitting. ACS Nano, 2014, 8, 10403-10413. | 7.3 | 162 |
| 124 | Facile synthesis of highly stable heterogeneous catalysts by entrapping metal nanoparticles within mesoporous carbon. Journal of Materials Chemistry A, 2014, 2, 5847. | 5.2 | 26 |
| 125 | Coating Two-Dimensional Nanomaterials with Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 8695-8701. | 7.3 | 168 |
| 126 | Smart responsive phosphorescent materials for data recording and security protection. Nature Communications, 2014, 5, 3601. | 5.8 | 694 |

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| 127 | Bottom-Up Assembly of Hydrophobic Nanocrystals and Graphene Nanosheets into Mesoporous Nanocomposites. Langmuir, 2014, 30, 4434-4440. | 1.6 | 8 |
| 128 | Hybrid Crystals Comprising Metalâ€“Organic Frameworks and Functional Particles: Synthesis and Applications. Small, 2014, 10, 4371-4378. | 5.2 | 34 |
| 129 | Microstructured Graphene Arrays for Highly Sensitive Flexible Tactile Sensors. Small, 2014, 10, 3625-3631. | 5.2 | 540 |
| 130 | A Family of Metalâ€Organic Frameworks Exhibiting Sizeâ€Selective Catalysis with Encapsulated Nobleâ€Metal Nanoparticles. Advanced Materials, 2014, 26, 4056-4060. | 11.1 | 396 |
| 131 | Fabrication of Porous Matrix Membrane (PMM) Using Metal-Organic Framework as Green Template for Water Treatment. Scientific Reports, 2014, 4, 3740. | 1.6 | 70 |
| 132 | Synthesis and Selfâ€Assembly of Monodispersed Metalâ€Organic Framework Microcrystals. Chemistry - an Asian Journal, 2013, 8, 69-72. | 1.7 | 121 |
| 133 | Freestanding graphene paper decorated with 2D-assembly of Au@Pt nanoparticles as flexible biosensors to monitor live cell secretion of nitric oxide. Biosensors and Bioelectronics, 2013, 49, 71-78. | 5.3 | 108 |
| 134 | Halide Anions as Shape-Directing Agents for Obtaining High-Quality Anisotropic Gold Nanostructures. Chemistry of Materials, 2013, 25, 1392-1399. | 3.2 | 181 |
| 135 | Facile growth of a single-crystal pattern: a case study of HKUST-1. Chemical Communications, 2012, 48, 11901. | 2.2 | 10 |
| 136 | In situ formation of new organic ligands to construct two novel self-charge-transfer Pb(ii)-based frameworks. CrystEngComm, 2012, 14, 75-78. | 1.3 | 22 |
| 137 | Approaching a stable, green twisted heteroacene through â€œclean reactionâ€•strategy. Chemical Communications, 2012, 48, 5974. | 2.2 | 110 |
| 138 | Unconventional Nucleation and Oriented Growth of ZIFâ€8 Crystals on Nonâ€Polar Surface. Advanced Materials, 2012, 24, 5954-5958. | 11.1 | 46 |
| 139 | Vaporâ€“Liquidâ€“Solid Growth of Endotaxial Semiconductor Nanowires. Nano Letters, 2012, 12, 5565-5570. | 4.5 | 14 |
| 140 | One stone kills four birds: a novel diazaperinone 12H-pyrazino[2â€²,3â€²:3,4]pyrrolo[1,2-a]perimidin-12-one recognizes four different metal ions. Tetrahedron Letters, 2012, 53, 6044-6047. | 0.7 | 10 |
| 141 | Free-standing one-dimensional plasmonic nanostructures. Nanoscale, 2012, 4, 66-75. | 2.8 | 46 |
| 142 | Engineering ZIFâ€8 Thin Films for Hybrid MOFâ€Based Devices. Advanced Materials, 2012, 24, 3970-3974. | 11.1 | 213 |
| 143 | Imparting functionality to a metalâ€“organic framework material by controlled nanoparticle encapsulation. Nature Chemistry, 2012, 4, 310-316. | 6.6 | 1,857 |
| 144 | Chemically Functionalized Surface Patterning. Small, 2011, 7, 2273-2289. | 5.2 | 83 |

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|---|---|---|---|
| 145 | Matrixâ€Assisted Dipâ€Pen Nanolithography and Polymer Pen Lithography. Small, 2010, 6, 1077-1081. | 5.2 | 79 |
| 146 | Beam pen lithography. Nature Nanotechnology, 2010, 5, 637-640. | 15.6 | 165 |
| 147 | Scanning probe block copolymer lithography. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20202-20206. | 3.3 | 131 |
| 148 | Multiplexed Protein Arrays Enabled by Polymer Pen Lithography: Addressing the Inking Challenge. Angewandte Chemie - International Edition, 2009, 48, 7626-7629. | 7.2 | 111 |
| 149 | Molecular printing. Nature Chemistry, 2009, 1, 353-358. | 6.6 | 170 |
| 150 | On-Wire Lithography-Generated Molecule-Based Transport Junctions: A New Testbed for Molecular Electronics. Journal of the American Chemical Society, 2008, 130, 8166-8168. | 6.6 | 104 |
| 151 | Polymer Pen Lithography. Science, 2008, 321, 1658-1660. | 6.0 | 501 |
| 152 | Actuation of Self-Assembled Two-Component Rodlike Nanostructures. Nano Letters, 2008, 8, 4441-4445. | 4.5 | 18 |
| 153 | Asymmetric Functionalization of Gold Nanoparticles with Oligonucleotides. Journal of the American Chemical Society, 2006, 128, 9286-9287. | 6.6 | 326 |
| 154 | Three-Layer Composite Magnetic Nanoparticle Probes for DNA. Journal of the American Chemical Society, 2005, 127, 15362-15363. | 6.6 | 289 |
| 155 | Self-Assembled Monolayers of Novel Surface-Bound Dendrons: Peripheral Structure Determines Surface Organization. Chemistry - A European Journal, 2003, 9, 2331-2336. | 1.7 | 16 |
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