Cheng Wang

List of Publications by Year
in descending order

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213 papers	24,862 citations	6254 80 h-index	7160 153 g-index
215 all docs	215 docs citations	215 times ranked	24222 citing authors

#	Article	IF	Citations
1	Doping Metalâ€“Organic Frameworks for Water Oxidation, Carbon Dioxide Reduction, and Organic Photocatalysis. Journal of the American Chemical Society, 2011, 133, 13445-13454.	13.7	1,363
2	Rational Synthesis of Noncentrosymmetric Metalâ€“Organic Frameworks for Second-Order Nonlinear Optics. Chemical Reviews, 2012, 112, 1084-1104.	47.7	921
3	Metalâ€“Organic Frameworks as A Tunable Platform for Designing Functional Molecular Materials. Journal of the American Chemical Society, 2013, 135, 13222-13234.	13.7	801
4	Flexible, highly efficient all-polymer solar cells. Nature Communications, 2015, 6, 8547.	12.8	740
5	Metalâ€“Organic Frameworks for Light Harvesting and Photocatalysis. ACS Catalysis, 2012, 2, 2630-2640.	11.2	714
6	Pt Nanoparticles@Photoactive Metalâ€“Organic Frameworks: Efficient Hydrogen Evolution via Synergistic Photoexcitation and Electron Injection. Journal of the American Chemical Society, 2012, 134, 7211-7214.	13.7	657
7	Isoreticular Chiral Metalâ”Organic Frameworks for Asymmetric Alkene Epoxidation: Tuning Catalytic Activity by Controlling Framework Catenation and Varying Open Channel Sizes. Journal of the American Chemical Society, 2010, 132, 15390-15398.	13.7	635
8	A Pyrene-Based, Fluorescent Three-Dimensional Covalent Organic Framework. Journal of the American Chemical Society, 2016, 138, 3302-3305.	13.7	628
9	Confinement of Ultrasmall Cu/ZnO_x Nanoparticles in Metalâ€“Organic Frameworks for Selective Methanol Synthesis from Catalytic Hydrogenation of CO₂. Journal of the American Chemical Society, 2017, 139, 3834-3840.	13.7	463
10	Soft x-ray scattering facility at the Advanced Light Source with real-time data processing and analysis. Review of Scientific Instruments, 2012, 83, 045110.	1.3	420
11	Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. Nano Letters, 2011, 11, 3707-3713.	9.1	415
12	Metalâ€Organic Framework Templated Synthesis of Fe₂O₃/TiO₂ Nanocomposite for Hydrogen Production. Advanced Materials, 2012, 24, 2014-2018.	21.0	407
13	A Chiral Porous Metalâ€“Organic Framework for Highly Sensitive and Enantioselective Fluorescence Sensing of Amino Alcohols. Journal of the American Chemical Society, 2012, 134, 9050-9053.	13.7	397
14	Highly Stable and Porous Cross-Linked Polymers for Efficient Photocatalysis. Journal of the American Chemical Society, 2011, 133, 2056-2059.	13.7	394
15	Photosensitizing Metalâ€“Organic Framework Enabling Visible-Light-Driven Proton Reduction by a Wellsâ€“Dawson-Type Polyoxometalate. Journal of the American Chemical Society, 2015, 137, 3197-3200.	13.7	374
16	Determining the Role of Polymer Molecular Weight for High-Performance All-Polymer Solar Cells: Its Effect on Polymer Aggregation and Phase Separation. Journal of the American Chemical Society, 2015, 137, 2359-2365.	13.7	347
17	A Biomimetic Copper Water Oxidation Catalyst with Low Overpotential. Journal of the American Chemical Society, 2014, 136, 273-281.	13.7	339
18	Elucidating Molecular Iridium Water Oxidation Catalysts Using Metalâ€“Organic Frameworks: A Comprehensive Structural, Catalytic, Spectroscopic, and Kinetic Study. Journal of the American Chemical Society, 2012, 134, 19895-19908.	13.7	322

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19	Selfâ€Supporting Metalâ€“Organic Layers as Singleâ€Site Solid Catalysts. Angewandte Chemie - International Edition, 2016, 55, 4962-4966.	13.8	303
20	Polarized X-ray scattering reveals non-crystalline orientational ordering in organic films. Nature Materials, 2012, 11, 536-543.	27.5	281
21	Highâ€Performance Allâ€Polymer Solar Cells Via Sideâ€Chain Engineering of the Polymer Acceptor: The Importance of the Polymer Packing Structure and the Nanoscale Blend Morphology. Advanced Materials, 2015, 27, 2466-2471.	21.0	279
22	A 2D porous porphyrin-based covalent organic framework for sulfur storage in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 7416-7421.	10.3	267
23	Multistimuli Responsive Organogels Based on a New Gelator Featuring Tetrathiafulvalene and Azobenzene Groups: Reversible Tuning of the Gelâ^'Sol Transition by Redox Reactions and Light Irradiation. Journal of the American Chemical Society, 2010, 132, 3092-3096.	13.7	265
24	Cooperative copper centres in a metalâ€“organic framework for selective conversion of CO2 to ethanol. Nature Catalysis, 2019, 2, 709-717.	34.4	256
25	A Low-Molecular-Mass Gelator with an Electroactive Tetrathiafulvalene Group:Â Tuning the Gel Formation by Charge-Transfer Interaction and Oxidation. Journal of the American Chemical Society, 2005, 127, 16372-16373.	13.7	251
26	Highâ€Efficiency Nonfullerene Polymer Solar Cells with Medium Bandgap Polymer Donor and Narrow Bandgap Organic Semiconductor Acceptor. Advanced Materials, 2016, 28, 8288-8295.	21.0	247
27	Covalent-organic frameworks: potential host materials for sulfur impregnation in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 8854-8858.	10.3	229
28	Metalâ€“Organic Frameworks in Solidâ€–Gas Phase Catalysis. ACS Catalysis, 2019, 9, 130-146.	11.2	229
29	Flow-enhanced solution printing of all-polymer solar cells. Nature Communications, 2015, 6, 7955.	12.8	221
30	A multifunctional biphasic water splitting catalyst tailored for integration with high-performance semiconductor photoanodes. Nature Materials, 2017, 16, 335-341.	27.5	217
31	Rollâ€toâ€Roll Printed Largeâ€Area Allâ€Polymer Solar Cells with 5% Efficiency Based on a Low Crystallinity Conjugated Polymer Blend. Advanced Energy Materials, 2017, 7, 1602742.	19.5	214
32	Efficient Polymer Solar Cells Based on a Low Bandgap Semiâ€crystalline DPP Polymerâ€PCBM Blends. Advanced Materials, 2012, 24, 3947-3951.	21.0	209
33	Understanding the Morphology of PTB7:PCBM Blends in Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1301377.	19.5	203
34	Diffusion-Controlled Luminescence Quenching in Metalâ^'Organic Frameworks. Journal of the American Chemical Society, 2011, 133, 4232-4235.	13.7	199
35	Synergistic Assembly of Heavy Metal Clusters and Luminescent Organic Bridging Ligands in Metalâ€“Organic Frameworks for Highly Efficient X-ray Scintillation. Journal of the American Chemical Society, 2014, 136, 6171-6174.	13.7	198
36	Photo-generated dinuclear {Eu(II)}2 active sites for selective CO2 reduction in a photosensitizing metal-organic framework. Nature Communications, 2018, 9, 3353.	12.8	195

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37	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI6]4â^' cage nanoparticles. Nature Communications, 2017, 8, 15688.	12.8	191
38	Mechanized azobenzene-functionalized zirconium metal-organic framework for on-command cargo release. Science Advances, 2016, 2, e1600480.	10.3	188
39	Nanomorphology of Bulk Heterojunction Photovoltaic Thin Films Probed with Resonant Soft X-ray Scattering. Nano Letters, 2010, 10, 2863-2869.	9.1	182
40	A chiral metalâ€“organic framework for sequential asymmetric catalysis. Chemical Communications, 2011, 47, 8256.	4.1	172
41	Multiâ€Lengthâ€Scale Morphologies in PCPDTBT/PCBM Bulkâ€Heterojunction Solar Cells. Advanced Energy Materials, 2012, 2, 683-690.	19.5	171
42	High-brightness all-polymer stretchable LED with charge-trapping dilution. Nature, 2022, 603, 624-630.	27.8	170
43	Metalâ€“organic frameworks embedded in a liposome facilitate overall photocatalytic water splitting. Nature Chemistry, 2021, 13, 358-366.	13.6	168
44	Actuation of Asymmetric Cyclopropanation Catalysts: Reversible Singleâ€Crystal to Singleâ€Crystal Reduction of Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2011, 50, 8674-8678.	13.8	165
45	Photosensitizing Metalâ€“Organic Layers for Efficient Sunlight-Driven Carbon Dioxide Reduction. Journal of the American Chemical Society, 2018, 140, 12369-12373.	13.7	164
46	Stimulated Release of Sizeâ€Selected Cargos in Succession from Mesoporous Silica Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 5460-5465.	13.8	157
47	Resonant Carbon<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>K</mml:mi></mml:mrow></mml:math>-Edge Soft X-Ray Scattering from Lattice-Free Heliconical Molecular Ordering: Soft Dilative Elasticity of the Twist-Bend Liquid Crystal Phase. Physical Review Letters, 2016, 116, 147803.	7.8	157
48	Side Chain Optimization of Naphthalenediimideâ€“Bithiopheneâ€Based Polymers to Enhance the Electron Mobility and the Performance in Allâ€Polymer Solar Cells. Advanced Functional Materials, 2016, 26, 1543-1553.	14.9	155
49	Surface Modification of Twoâ€Dimensional Metalâ€“Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. Angewandte Chemie - International Edition, 2017, 56, 9704-9709.	13.8	155
50	Surpassing 10% Efficiency Benchmark for Nonfullerene Organic Solar Cells by Scalable Coating in Air from Single Nonhalogenated Solvent. Advanced Materials, 2018, 30, 1705485.	21.0	150
51	A Mechanistic Understanding of Processing Additiveâ€Induced Efficiency Enhancement in Bulk Heterojunction Organic Solar Cells. Advanced Materials, 2014, 26, 300-305.	21.0	145
52	A Tetrathiafulvaleneâ€Based Electroactive Covalent Organic Framework. Chemistry - A European Journal, 2014, 20, 14614-14618.	3.3	143
53	Defining the Nanostructured Morphology of Triblock Copolymers Using Resonant Soft X-ray Scattering. Nano Letters, 2011, 11, 3906-3911.	9.1	139
54	Pyrolysis of Metalâ€“Organic Frameworks to Fe₃O₄@Fe₅C₂ Coreâ€“Shell Nanoparticles for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2016, 6, 3610-3618.	11.2	138

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55	Molecular Iridium Complexes in Metalâ€“Organic Frameworks Catalyze CO₂ Hydrogenation via Concerted Proton and Hydride Transfer. Journal of the American Chemical Society, 2017, 139, 17747-17750.	13.7	135
56	Exciton Migration and Amplified Quenching on Two-Dimensional Metalâ€“Organic Layers. Journal of the American Chemical Society, 2017, 139, 7020-7029.	13.7	134
57	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. Science, 2020, 367, 1372-1376.	12.6	132
58	FÃ¶rster Energy Transport in Metalâ€“Organic Frameworks Is Beyond Step-by-Step Hopping. Journal of the American Chemical Society, 2016, 138, 5308-5315.	13.7	131
59	Networking Pyrolyzed Zeolitic Imidazolate Frameworks by Carbon Nanotubes Improves Conductivity and Enhances Oxygenâ€Reduction Performance in Polymerâ€Electrolyteâ€Membrane Fuel Cells. Advanced Materials, 2017, 29, 1604556.	21.0	131
60	Efficient, Thermally Stable, and Mechanically Robust Allâ€Polymer Solar Cells Consisting of the Same Benzodithiophene Unitâ€Based Polymer Acceptor and Donor with High Molecular Compatibility. Advanced Energy Materials, 2021, 11, 2003367.	19.5	122
61	Relating Chemical Structure to Device Performance via Morphology Control in Diketopyrrolopyrrole-Based Low Band Gap Polymers. Journal of the American Chemical Society, 2013, 135, 19248-19259.	13.7	121
62	Cavity-induced enantioselectivity reversal in a chiral metalâ€“organic framework BrÃ¸nsted acid catalyst. Chemical Science, 2012, 3, 2623.	7.4	120
63	Strongly Lewis Acidic Metalâ€“Organic Frameworks for Continuous Flow Catalysis. Journal of the American Chemical Society, 2019, 141, 14878-14888.	13.7	118
64	Fast Printing and In Situ Morphology Observation of Organic Photovoltaics Using Slotâ€Die Coating. Advanced Materials, 2015, 27, 886-891.	21.0	117
65	Metalâ€“Organic Frameworks Stabilize Mono(phosphine)â€“Metal Complexes for Broad-Scope Catalytic Reactions. Journal of the American Chemical Society, 2016, 138, 9783-9786.	13.7	111
66	Cooperative Stabilization of the [Pyridinium-CO₂-Co] Adduct on a Metalâ€“Organic Layer Enhances Electrocatalytic CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 17875-17883.	13.7	108
67	Soft x-ray resonant reflectivity of low-Z material thin films. Applied Physics Letters, 2005, 87, 214109.	3.3	103
68	Multi-level chirality in liquid crystals formed by achiral molecules. Nature Communications, 2019, 10, 1922.	12.8	103
69	Warm-White-Light-Emitting Diode Based on a Dye-Loaded Metalâ€“Organic Framework for Fast White-Light Communication. ACS Applied Materials & Interfaces, 2017, 9, 35253-35259.	8.0	99
70	New Organogels Based on an Anthracene Derivative with One Urea Group and Its Photodimer:â€‰ Fluorescence Enhancement after Gelation. Langmuir, 2007, 23, 9195-9200.	3.5	98
71	A Chiral Low-Molecular-Weight Gelator Based on Binaphthalene with Two Urea Moieties:Â Modulation of the CD Spectrum after Gel Formation. Langmuir, 2007, 23, 1478-1482.	3.5	96
72	Photoactivation of Cu Centers in Metalâ€“Organic Frameworks for Selective CO₂ Conversion to Ethanol. Journal of the American Chemical Society, 2020, 142, 75-79.	13.7	95

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73	Correlation between Phase-Separated Domain Sizes of Active Layer and Photovoltaic Performances in All-Polymer Solar Cells. Macromolecules, 2016, 49, 5051-5058.	4.8	93
74	Polydimethylsiloxane/covalent triazine frameworks coated stir bar sorptive extraction coupled with high performance liquid chromatography-ultraviolet detection for the determination of phenols in environmental water samples. Journal of Chromatography A, 2016, 1441, 8-15.	3.7	93
75	Oxygen sensing via phosphorescence quenching of doped metalâ€“organic frameworks. Journal of Materials Chemistry, 2012, 22, 10329.	6.7	89
76	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. Joule, 2020, 4, 1575-1593.	24.0	88
77	Titanium Hydroxide Secondary Building Units in Metalâ€“Organic Frameworks Catalyze Hydrogen Evolution under Visible Light. Journal of the American Chemical Society, 2019, 141, 12219-12223.	13.7	86
78	Targeted synthesis of a large triazine-based [4+6] organic molecular cage: structure, porosity and gas separation. Chemical Communications, 2015, 51, 1976-1979.	4.1	85
79	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 2019, 46, 1595-1609.	2.2	85
80	Cross-linked Polymers with Exceptionally High Ru(bipy)₃²⁺ Loadings for Efficient Heterogeneous Photocatalysis. ACS Catalysis, 2012, 2, 417-424.	11.2	83
81	Following the Morphology Formation In Situ in Printed Active Layers for Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1501580.	19.5	82
82	Neighboring Znâ€“Zr Sites in a Metalâ€“Organic Framework for CO₂ Hydrogenation. Journal of the American Chemical Society, 2021, 143, 8829-8837.	13.7	82
83	Machine-Learning-Guided Discovery and Optimization of Additives in Preparing Cu Catalysts for CO₂ Reduction. Journal of the American Chemical Society, 2021, 143, 5755-5762.	13.7	81
84	Resonant soft X-ray scattering for polymer materials. European Polymer Journal, 2016, 81, 555-568.	5.4	79
85	Comparison of the Morphology Development of Polymerâ€“Fullerene and Polymerâ€“Polymer Solar Cells during Solutionâ€Shearing Blade Coating. Advanced Energy Materials, 2016, 6, 1601225.	19.5	79
86	Revisiting the interpretation of casein micelle SAXS data. Soft Matter, 2016, 12, 6937-6953.	2.7	78
87	Electrocatalytic reduction of CO₂to CO with 100% faradaic efficiency by using pyrolyzed zeolitic imidazolate frameworks supported on carbon nanotube networks. Journal of Materials Chemistry A, 2017, 5, 24867-24873.	10.3	78
88	Metalâ€“organic layers stabilize earth-abundant metalâ€“terpyridine diradical complexes for catalytic Câ€“H activation. Chemical Science, 2018, 9, 143-151.	7.4	75
89	Natural optical activity as the origin of the large chiroptical properties in Ï€-conjugated polymer thin films. Nature Communications, 2020, 11, 6137.	12.8	73
90	Thio linkage between CdS quantum dots and UiO-66-type MOFs as an effective transfer bridge of charge carriers boosting visible-light-driven photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2021, 581, 1-10.	9.4	73

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91	Light-Harvesting Cross-Linked Polymers for Efficient Heterogeneous Photocatalysis. ACS Applied Materials & Interfaces, 2012, 4, 2288-2294.	8.0	72
92	Reversible Tuning Hydroquinone/Quinone Reaction in Metalâ€“Organic Framework: Immobilized Molecular Switches in Solid State. Chemistry of Materials, 2015, 27, 6426-6431.	6.7	72
93	A Rheniumâ€Functionalized Metalâ€“Organic Framework as a Singleâ€Site Catalyst for Photochemical Reduction of Carbon Dioxide. European Journal of Inorganic Chemistry, 2016, 2016, 4358-4362.	2.0	70
94	Structure of nanoscale-pitch helical phases: blue phase and twist-bend nematic phase resolved by resonant soft X-ray scattering. Soft Matter, 2017, 13, 6694-6699.	2.7	70
95	Electrochemical Water Oxidation with Carbon-Grafted Iridium Complexes. ACS Applied Materials & Interfaces, 2012, 4, 608-613.	8.0	69
96	Solving the mystery of the internal structure of casein micelles. Soft Matter, 2015, 11, 2723-2725.	2.7	68
97	Resonant soft x-ray reflectivity of organic thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 575-586.	2.1	67
98	Importance of 2D Conjugated Side Chains of Benzodithiophene-Based Polymers in Controlling Polymer Packing, Interfacial Ordering, and Composition Variations of All-Polymer Solar Cells. Chemistry of Materials, 2017, 29, 9407-9415.	6.7	67
99	Controlling Energy Levels and Blend Morphology for All-Polymer Solar Cells via Fluorination of a Naphthalene Diimide-Based Copolymer Acceptor. Macromolecules, 2016, 49, 6374-6383.	4.8	66
100	Sulfur-doping achieves efficient oxygen reduction in pyrolyzed zeolitic imidazolate frameworks. Journal of Materials Chemistry A, 2016, 4, 4457-4463.	10.3	65
101	Metalâ€“Organic Framework Stabilizes a Low-Coordinate Iridium Complex for Catalytic Methane Borylation. Journal of the American Chemical Society, 2019, 141, 11196-11203.	13.7	65
102	Two-dimensional porphyrin- and phthalocyanine-based covalent organic frameworks. Chinese Chemical Letters, 2016, 27, 1376-1382.	9.0	64
103	Highly Dispersed Ni Catalyst on Metalâ€“Organic Framework-Derived Porous Hydrous Zirconia for CO₂ Methanation. ACS Applied Materials & Interfaces, 2020, 12, 17436-17442.	8.0	64
104	Electron Crystallography Reveals Atomic Structures of Metalâ€“Organic Nanoplates with M₁₂(μ₃-O)₈(μ₃-OH)₈(μ₂-OH)₆ (M = Zr, Hf) Secondary Building Units. Inorganic Chemistry, 2017, 56, 8128-8134.	4.8	62
105	Selfâ€Supporting Metalâ€“Organic Layers as Singleâ€Site Solid Catalysts. Angewandte Chemie, 2016, 128, 5046-5050.	2.0	61
106	Synthetic Strategies for Constructing Twoâ€Dimensional Metalâ€Organic Layers (MOLs): A Tutorial Review. Chinese Journal of Chemistry, 2018, 36, 754-764.	4.9	61
107	Metalâ€“Organic Framework Nodes Support Single-Site Nickel(II) Hydride Catalysts for the Hydrogenolysis of Aryl Ethers. ACS Catalysis, 2019, 9, 1578-1583.	11.2	61
108	Guided crystallization of P3HT in ternary blend solar cell based on P3HT:PCPDTBT:PCBM. Energy and Environmental Science, 2014, 7, 3782-3790.	30.8	60

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109	Bifunctional Metalâ€“Organic Layer with Organic Dyes and Iron Centers for Synergistic Photoredox Catalysis. Journal of the American Chemical Society, 2021, 143, 3075-3080.	13.7	60
110	Tackling poison and leach: catalysis by dangling thiolâ€“palladium functions within a porous metalâ€“organic solid. Chemical Communications, 2015, 51, 6917-6920.	4.1	59
111	Pre-concentration and energy transfer enable the efficient luminescence sensing of transition metal ions by metalâ€“organic frameworks. Chemical Communications, 2015, 51, 16996-16999.	4.1	55
112	Pyrolysis of metalâ€“organic frameworks to hierarchical porous Cu/Zn-nanoparticle@carbon materials for efficient CO₂ hydrogenation. Materials Chemistry Frontiers, 2017, 1, 2405-2409.	5.9	54
113	Metalâ€“Organic Layers for Electrocatalysis and Photocatalysis. ACS Central Science, 2020, 6, 2149-2158.	11.3	54
114	Metalâ€“Organic Framework with Dual Active Sites in Engineered Mesopores for Bioinspired Synergistic Catalysis. Journal of the American Chemical Society, 2020, 142, 8602-8607.	13.7	53
115	Unraveling the Crystallization Kinetics of 2D Perovskites with Sandwichâ€Type Structure for Highâ€Performance Photovoltaics. Advanced Materials, 2020, 32, e2002784.	21.0	52
116	Postsynthetic Modification of an Alkyne-Tagged Zirconium Metalâ€“Organic Framework via a â€œClickâ€• Reaction. Inorganic Chemistry, 2015, 54, 5139-5141.	4.0	51
117	Two-Dimensional Metalâ€“Organic Layers on Carbon Nanotubes to Overcome Conductivity Constraint in Electrocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 36290-36296.	8.0	51
118	Chiral metalâ€“organic frameworks with tunable open channels as single-site asymmetric cyclopropanation catalysts. Chemical Communications, 2012, 48, 6508.	4.1	50
119	Morphology and Optical Properties of P3HT:MEH-CN-PPV Blend Films. Macromolecules, 2013, 46, 4491-4501.	4.8	47
120	Mechanical Bonds and Topological Effects in Radical Dimer Stabilization. Journal of the American Chemical Society, 2014, 136, 11011-11026.	13.7	47
121	Twoâ€Dimensional Metalâ€Organic Layers as a Bright and Processable Phosphor for Fast Whiteâ€Light Communication. Chemistry - A European Journal, 2017, 23, 8390-8394.	3.3	47
122	Highly Active Hydrogen Evolution Electrodes via Co-Deposition of Platinum and Polyoxometalates. ACS Applied Materials & Interfaces, 2015, 7, 11648-11653.	8.0	46
123	Aluminum Hydroxide Secondary Building Units in a Metalâ€“Organic Framework Support Earth-Abundant Metal Catalysts for Broad-Scope Organic Transformations. ACS Catalysis, 2019, 9, 3327-3337.	11.2	46
124	Accurate and Facile Determination of the Index of Refraction of Organic Thin Films Near the Carbon<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:math>Absorption Edge. Physical Review Letters, 2013, 110, 177401.	7.8	42
125	Probing and Controlling Liquid Crystal Helical Nanofilaments. Nano Letters, 2015, 15, 3420-3424.	9.1	42
126	Blue Energy Conversion from Holey-Graphene-like Membranes with a High Density of Subnanometer Pores. Nano Letters, 2020, 20, 8634-8639.	9.1	42

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127	Importance of Highâ€Electron Mobility in Polymer Acceptors for Efficient Allâ€Polymer Solar Cells: Combined Engineering of Backbone Building Unit and Regioregularity. Advanced Functional Materials, 2022, 32, 2108508.	14.9	41
128	Tetrathiafulvalene Hetero Radical Cation Dimerization in a Redox-Active [2]Catenane. Journal of the American Chemical Society, 2012, 134, 19136-19145.	13.7	40
129	Donorâ€“Acceptor Ringâ€inâ€Ring Complexes. Chemistry - A European Journal, 2012, 18, 202-212.	3.3	40
130	Cobalt-bridged secondary building units in a titanium metalâ€“organic framework catalyze cascade reduction of N-heteroarenes. Chemical Science, 2019, 10, 2193-2198.	7.4	40
131	Isolation by crystallization of translational isomers of a bistable donor-acceptor [2]catenane. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13991-13996.	7.1	39
132	Quantifying the Hierarchical Order in Self-Aligned Carbon Nanotubes from Atomic to Micrometer Scale. ACS Nano, 2017, 11, 5405-5416.	14.6	39
133	Surface Modification of Twoâ€Dimensional Metalâ€“Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. Angewandte Chemie, 2017, 129, 9836-9841.	2.0	38
134	Molecular Origin of Strainâ€Induced Chain Alignment in PDPPâ€Based Semiconducting Polymeric Thin Films. Advanced Functional Materials, 2021, 31, 2100161.	14.9	38
135	Donorâ€“Acceptor Alternating Copolymer Compatibilizers for Thermally Stable, Mechanically Robust, and High-Performance Organic Solar Cells. ACS Nano, 2021, 15, 19970-19980.	14.6	38
136	Signatures of Multiphase Formation in the Active Layer of Organic Solar Cells from Resonant Soft X-ray Scattering. ACS Macro Letters, 2013, 2, 185-189.	4.8	37
137	Heterogeneity of functional groups in a metalâ€“organic framework displays magic number ratios. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5591-5596.	7.1	36
138	Substrate Orientation Effect in the On-Surface Synthesis of Tetrathiafulvalene-Integrated Single-Layer Covalent Organic Frameworks. Langmuir, 2015, 31, 11755-11759.	3.5	36
139	Simulating Powder X-ray Diffraction Patterns of Two-Dimensional Materials. Inorganic Chemistry, 2018, 57, 15123-15132.	4.0	36
140	Chiral porous metal-organic frameworks with dual active sites for sequential asymmetric catalysis. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 2035-2052.	2.1	35
141	Chemical and Morphological Origins of Improved Ion Conductivity in Perfluoro Ionene Chain Extended Ionomers. Journal of the American Chemical Society, 2019, 141, 13547-13561.	13.7	34
142	Excited State Energy Transfer in Metalâ€Organic Frameworks. Advanced Materials, 2021, 33, e2005819.	21.0	34
143	Postsynthetic Modification of Metalâ€Organic Frameworks through Click Chemistry. Chinese Journal of Chemistry, 2016, 34, 186-190.	4.9	33
144	Functional Metalâ€“Organic Frameworks via Ligand Doping: Influences of Ligand Charge and Steric Demand. Inorganic Chemistry, 2014, 53, 1331-1338.	4.0	32

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145	Simultaneous spin-coating and solvent annealing: manipulating the active layer morphology to a power conversion efficiency of 9.6% in polymer solar cells. Materials Horizons, 2015, 2, 592-597.	12.2	32
146	Processing-Friendly Slot-Die-Cast Nonfullerene Organic Solar Cells with Optimized Morphology. ACS Applied Materials & Interfaces, 2019, 11, 42392-42402.	8.0	29
147	Threeâ€Dimensional Architectures Incorporating Stereoregular Donorâ€“Acceptor Stacks. Chemistry - A European Journal, 2013, 19, 8457-8465.	3.3	28
148	Bifunctional Metalâ€“Organic Layers for Tandem Catalytic Transformations Using Molecular Oxygen and Carbon Dioxide. Journal of the American Chemical Society, 2021, 143, 16718-16724.	13.7	28
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