Cheng Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	Decoupling Complex Multiâ€Lengthâ€Scale Morphology in Nonâ€Fullerene Photovoltaics with Nitrogen Kâ€Edge Resonant Soft Xâ€ray Scattering. Advanced Materials, 2022, 34, e2107316.	21.0	16
3	Cation-Gated Ion Transport at Nanometer Scale for Tunable Power Generation. Journal of Physical Chemistry Letters, 2022, 13, 2625-2631.	4.6	3
4	High-brightness all-polymer stretchable LED with charge-trapping dilution. Nature, 2022, 603, 624-630.	27.8	170
5	Twoâ€Photon 3D Printing in Metalâ€“Organic Framework Single Crystals. Small, 2022, 18, e2200514.	10.0	15
6	Controlling spontaneous chirality in achiral materials: liquid crystal oligomers and the heliconical twist-bend nematic phase. Chemical Communications, 2022, 58, 5285-5288.	4.1	17
7	Enabling alcohol as a hydrogen carrier using metalâ€“organic framework-stabilized Irâ€“Sc bifunctional catalytic sites. Chemical Communications, 2022, 58, 5857-5860.	4.1	2
8	Magnetic 3dâ€“4f Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. Journal of the American Chemical Society, 2022, 144, 8837-8847.	13.7	28
9	Operando Resonant Soft X-ray Scattering Studies of Chemical Environment and Interparticle Dynamics of Cu Nanocatalysts for CO₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 8927-8931.	13.7	18
10	Two-dimensional metalâ€“organic layers constructed from Hf₆/Hf₁₂-oxo clusters and a trigonal pyramidal phosphine oxide ligand. Dalton Transactions, 2022, 51, 11236-11240.	3.3	4
11	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
12	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
13	Two-photon induced polymerization in a porous polymer film to create multi-layer structures. Chemical Communications, 2021, 57, 4516-4519.	4.1	5
14	Soluble lanthanide-transition-metal clusters Ln36Co12 as effective molecular electrocatalysts for water oxidation. Chemical Communications, 2021, 57, 3611-3614.	4.1	13
15	Metalâ€“organic frameworks embedded in a liposome facilitate overall photocatalytic water splitting. Nature Chemistry, 2021, 13, 358-366.	13.6	168
16	Metalâ€“Organic Layers with an Enhanced Two-Photon Absorption Cross-Section and Up-Converted Emission. Chemistry of Materials, 2021, 33, 1618-1624.	6.7	8
17	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
18	Excited State Energy Transfer in Metalâ€Organic Frameworks. Advanced Materials, 2021, 33, e2005819.	21.0	34

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19	Molecular Origin of Strainâ€Induced Chain Alignment in PDPPâ€Based Semiconducting Polymeric Thin Films. Advanced Functional Materials, 2021, 31, 2100161.	14.9	38
20	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
21	Label-free characterization of organic nanocarriers reveals persistent single molecule cores for hydrocarbon sequestration. Nature Communications, 2021, 12, 3123.	12.8	9
22	Fullereneâ€“non-fullerene hybrid acceptors for enhanced light absorption and electrical properties in organic solar cells. Materials Today Energy, 2021, 20, 100651.	4.7	7
23	Probing morphology and chemistry in complex soft materials with in situ resonant soft x-ray scattering. Journal of Physics Condensed Matter, 2021, 33, 313001.	1.8	5
24	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
25	Diversifying Composition Leads to Hierarchical Composites with Design Flexibility and Structural Fidelity. ACS Nano, 2021, 15, 14095-14104.	14.6	9
26	Photonic Bandgap in Achiral Liquid Crystalsâ€”A Twist on a Twist. Advanced Materials, 2021, 33, e2103288.	21.0	18
27	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
28	Preparation of hollow metalâ€“organic frameworks via epitaxial protection and selective etching. Faraday Discussions, 2021, 231, 181-193.	3.2	3
29	Sulfate-functionalized metalâ€“organic frameworks supporting Pd nanoparticles for the hydrogenolysis of glycerol to 1,2-propanediol. New Journal of Chemistry, 2021, 45, 21263-21269.	2.8	8
30	Thickness Dependence of Proton-Exchange-Membrane Properties. Journal of the Electrochemical Society, 2021, 168, 104517.	2.9	10
31	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
32	ZnO Supported on a Zr-Based Metalâ€“Organic Framework for Selective CO₂ Hydrogenation to Methanol. ACS Applied Energy Materials, 2021, 4, 13567-13574.	5.1	12
33	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
34	Unraveling the Crystallization Kinetics of 2D Perovskites with Sandwichâ€Type Structure for Highâ€Performance Photovoltaics. Advanced Materials, 2020, 32, e2002784.	21.0	52
35	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. Joule, 2020, 4, 1575-1593.	24.0	88
36	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

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37	Blue Energy Conversion from Holey-Graphene-like Membranes with a High Density of Subnanometer Pores. Nano Letters, 2020, 20, 8634-8639.	9.1	42
38	New Insights into Water Treatment Materials with Chemically Sensitive Soft and Tender X-rays. Synchrotron Radiation News, 2020, 33, 17-23.	0.8	5
39	Metalâ€“Organic Layers for Electrocatalysis and Photocatalysis. ACS Central Science, 2020, 6, 2149-2158.	11.3	54
40	Bimolecular crystal instability and morphology of bulk heterojunction blends in organic and perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 11695-11703.	5.5	1
41	Manipulating Film Morphology of Allâ€Polymer Solar Cells by Incorporating Polymer Compatibilizer. Solar Rrl, 2020, 4, 2000148.	5.8	16
42	Photoresponsive 2D polymeric Langmuirâ€“Blodgett films of 2,3,6,7,10,11-hexaiminotriphenylene. New Journal of Chemistry, 2020, 44, 5656-5660.	2.8	9
43	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. Science, 2020, 367, 1372-1376.	12.6	132
44	Nanoscale Metalâ€“Organic Frameworks and Metalâ€“Organic Layers with Two-Photon-Excited Fluorescence. Inorganic Chemistry, 2020, 59, 4181-4185.	4.0	13
45	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
46	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
47	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
48	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 2019, 46, 1595-1609.	2.2	85
49	Energy transfer on a two-dimensional antenna enhances the photocatalytic activity of CO2 reduction by metalâ€“organic layers. Chemical Communications, 2019, 55, 9657-9660.	4.1	23
50	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
51	Cooperative copper centres in a metalâ€“organic framework for selective conversion of CO2 to ethanol. Nature Catalysis, 2019, 2, 709-717.	34.4	256
52	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
53	Processing-Friendly Slot-Die-Cast Nonfullerene Organic Solar Cells with Optimized Morphology. ACS Applied Materials & Interfaces, 2019, 11, 42392-42402.	8.0	29
54	Strongly Lewis Acidic Metalâ€“Organic Frameworks for Continuous Flow Catalysis. Journal of the American Chemical Society, 2019, 141, 14878-14888.	13.7	118

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55	Photoacid-Modified Nafion Membrane Morphology Determined by Resonant X-ray Scattering and Spectroscopy. ACS Macro Letters, 2019, 8, 1353-1359.	4.8	7
56	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
57	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
58	Twoâ€Dimensional Metalâ€Organic Layers for Electrochemical Acceptorless Dehydrogenation of Nâ€Heterocycles. Chemistry - an Asian Journal, 2019, 14, 3557-3560.	3.3	19
59	Multi-level chirality in liquid crystals formed by achiral molecules. Nature Communications, 2019, 10, 1922.	12.8	103
60	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
61	In Situ Structure Characterization in Slotâ€Dieâ€Printed Allâ€Polymer Solar Cells with Efficiency Over 9%. Solar Rrl, 2019, 3, 1900032.	5.8	20
62	Aluminum oxide free-standing thin films to enable nitrogen edge soft x-ray scattering. MRS Communications, 2019, 9, 224-228.	1.8	6
63	Metalâ€“Organic Frameworks in Solidâ€“Gas Phase Catalysis. ACS Catalysis, 2019, 9, 130-146.	11.2	229
64	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
65	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
66	Metalâ€“organic layers stabilize earth-abundant metalâ€“terpyridine diradical complexes for catalytic Câ€“H activation. Chemical Science, 2018, 9, 143-151.	7.4	75
67	Understanding the Impact of Oligomeric Polystyrene Side Chain Arrangement on the Allâ€Polymer Solar Cell Performance. Advanced Energy Materials, 2018, 8, 1701552.	19.5	21
68	A Dynamically Stabilized Singleâ€Nickel Electrocatalyst for Selective Reduction of Oxygen to Hydrogen Peroxide. Chemistry - A European Journal, 2018, 24, 17011-17018.	3.3	13
69	Frontispiece: A Dynamically Stabilized Singleâ€Nickel Electrocatalyst for Selective Reduction of Oxygen to Hydrogen Peroxide. Chemistry - A European Journal, 2018, 24, .	3.3	0
70	Simulating Powder X-ray Diffraction Patterns of Two-Dimensional Materials. Inorganic Chemistry, 2018, 57, 15123-15132.	4.0	36
71	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
72	Random Copolymers Allow Control of Crystallization and Microphase Separation in Fully Conjugated Block Copolymers. Macromolecules, 2018, 51, 8844-8852.	4.8	15

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73	Photosensitizing Metalâ€“Organic Layers for Efficient Sunlight-Driven Carbon Dioxide Reduction. Journal of the American Chemical Society, 2018, 140, 12369-12373.	13.7	164
74	Resonant Soft X-Ray Scattering Provides Protein Structure with Chemical Specificity. Structure, 2018, 26, 1513-1521.e3.	3.3	10
75	Synthetic Strategies for Constructing Twoâ€Dimensional Metalâ€Organic Layers (MOLs): A Tutorial Review. Chinese Journal of Chemistry, 2018, 36, 754-764.	4.9	61
76	Resonant soft X-ray scattering reveals cellulose microfibril spacing in plant primary cell walls. Scientific Reports, 2018, 8, 12449.	3.3	26
77	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
78	Resonant soft x-ray scattering unravels the hierarchical morphology of nanostructured bulk heterojunction photovoltaic thin films. Physical Review Materials, 2018, 2, .	2.4	4
79	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
80	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
81	Quantifying the Hierarchical Order in Self-Aligned Carbon Nanotubes from Atomic to Micrometer Scale. ACS Nano, 2017, 11, 5405-5416.	14.6	39
82	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
83	Exciton Migration and Amplified Quenching on Two-Dimensional Metalâ€“Organic Layers. Journal of the American Chemical Society, 2017, 139, 7020-7029.	13.7	134
84	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
85	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI6]4â^' cage nanoparticles. Nature Communications, 2017, 8, 15688.	12.8	191
86	Electron Crystallography Reveals Atomic Structures of Metalâ€“Organic Nanoplates with M₁₂(Î¼₃-O)₈(Î¼₃-OH)₈(Î¼₂-OH)₆ (M = Zr, Hf) Secondary Building Units. Inorganic Chemistry, 2017, 56, 8128-8134.	4.8	62
87	Surface Modification of Twoâ€Dimensional Metalâ€“Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. Angewandte Chemie, 2017, 129, 9836-9841.	2.0	38
88	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
89	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
90	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

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91	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
92	Through-space FÃ¶rster-type energy transfer in isostructural zirconium and hafnium-based metalâ€“organic layers. Chemical Communications, 2017, 53, 9356-9359.	4.1	21
93	Frontispiece: Surface Modification of Twoâ€Dimensional Metalâ€“Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. Angewandte Chemie - International Edition, 2017, 56, .	13.8	0
94	Frontispiz: Surface Modification of Twoâ€Dimensional Metalâ€“Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. Angewandte Chemie, 2017, 129, .	2.0	0
95	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
96	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
97	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
98	A multifunctional biphasic water splitting catalyst tailored for integration with high-performance semiconductor photoanodes. Nature Materials, 2017, 16, 335-341.	27.5	217
99	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
100	Combining theory and experiment for X-ray absorption spectroscopy and resonant X-ray scattering characterization of polymers. Polymer, 2016, 99, 782-796.	3.8	17
101	Postsynthetic Modification of Metalâ€Organic Frameworks through Click Chemistry. Chinese Journal of Chemistry, 2016, 34, 186-190.	4.9	33
102	Selfâ€Supporting Metalâ€“Organic Layers as Singleâ€Site Solid Catalysts. Angewandte Chemie - International Edition, 2016, 55, 4962-4966.	13.8	303
103	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
104	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
105	Following the Morphology Formation In Situ in Printed Active Layers for Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1501580.	19.5	82
106	InnenrÃ¼cktitelbild: Self-Supporting Metal-Organic Layers as Single-Site Solid Catalysts (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0
107	Resonant soft X-ray scattering for polymer materials. European Polymer Journal, 2016, 81, 555-568.	5.4	79
108	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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109	Revisiting the interpretation of casein micelle SAXS data. Soft Matter, 2016, 12, 6937-6953.	2.7	78
110	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
111	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
112	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
113	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
114	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
115	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
116	Bacteriophytochrome Photoisomerization Proceeds Homogeneously Despite Heterogeneity in Ground State. Biophysical Journal, 2016, 111, 2125-2134.	0.5	21
117	Reprint of: Combining theory and experiment for X-ray absorption spectroscopy and resonant X-ray scattering characterization of polymers. Polymer, 2016, 105, 342-356.	3.8	8
118	Mechanized azobenzene-functionalized zirconium metal-organic framework for on-command cargo release. Science Advances, 2016, 2, e1600480.	10.3	188
119	Fabrication of bilayer tetrathiafulvalene integrated surface covalent organic frameworks. Physical Chemistry Chemical Physics, 2016, 18, 17356-17359.	2.8	19
120	Two-dimensional porphyrin- and phthalocyanine-based covalent organic frameworks. Chinese Chemical Letters, 2016, 27, 1376-1382.	9.0	64
121	Selfâ€Supporting Metalâ€“Organic Layers as Singleâ€Site Solid Catalysts. Angewandte Chemie, 2016, 128, 5046-5050.	2.0	61
122	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
123	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
124	Sulfur-doping achieves efficient oxygen reduction in pyrolyzed zeolitic imidazolate frameworks. Journal of Materials Chemistry A, 2016, 4, 4457-4463.	10.3	65
125	A Pyrene-Based, Fluorescent Three-Dimensional Covalent Organic Framework. Journal of the American Chemical Society, 2016, 138, 3302-3305.	13.7	628
126	Communication: Coherences observed in vivo in photosynthetic bacteria using two-dimensional electronic spectroscopy. Journal of Chemical Physics, 2015, 143, 101101.	3.0	26

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127	Probing and Controlling Liquid Crystal Helical Nanofilaments. Nano Letters, 2015, 15, 3420-3424.	9.1	42
128	Pore surface engineering in a zirconium metalâ€“organic framework via thiol-ene reaction. Journal of Solid State Chemistry, 2015, 223, 79-83.	2.9	20
129	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
130	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
131	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
132	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
133	Towards quantification of vibronic coupling in photosynthetic antenna complexes. Journal of Chemical Physics, 2015, 142, 212446.	3.0	25
134	Highly Active Hydrogen Evolution Electrodes via Co-Deposition of Platinum and Polyoxometalates. ACS Applied Materials & Interfaces, 2015, 7, 11648-11653.	8.0	46
135	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
136	Postsynthetic Modification of an Alkyne-Tagged Zirconium Metalâ€“Organic Framework via a â€œClickâ€• Reaction. Inorganic Chemistry, 2015, 54, 5139-5141.	4.0	51
137	Solving the mystery of the internal structure of casein micelles. Soft Matter, 2015, 11, 2723-2725.	2.7	68
138	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
139	Flow-enhanced solution printing of all-polymer solar cells. Nature Communications, 2015, 6, 7955.	12.8	221
140	Substrate Orientation Effect in the On-Surface Synthesis of Tetrathiafulvalene-Integrated Single-Layer Covalent Organic Frameworks. Langmuir, 2015, 31, 11755-11759.	3.5	36
141	Flexible, highly efficient all-polymer solar cells. Nature Communications, 2015, 6, 8547.	12.8	740
142	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
143	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
144	Controllable Synthesis of Covalent Porphyrinic Cages with Varying Sizes via Template-Directed Imine Condensation Reactions. Journal of Organic Chemistry, 2015, 80, 9360-9364.	3.2	16

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145	Fast Printing and In Situ Morphology Observation of Organic Photovoltaics Using Slotâ€Die Coating. Advanced Materials, 2015, 27, 886-891.	21.0	117
146	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
147	Gadolinium nicotinate clusters as potential MRI contrast agents. RSC Advances, 2015, 5, 2914-2919.	3.6	4
148	A Mechanistic Understanding of Processing Additiveâ€Induced Efficiency Enhancement in Bulk Heterojunction Organic Solar Cells. Advanced Materials, 2014, 26, 300-305.	21.0	145
149	Understanding the Morphology of PTB7:PCBM Blends in Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1301377.	19.5	203
150	The Effects of Electron-Donating Substituents on [Ir(bpy)Cp*Cl]+: Water Oxidation versus Ligand Oxidative Modifications. European Journal of Inorganic Chemistry, 2014, 2014, 698-707.	2.0	27
151	A Biomimetic Copper Water Oxidation Catalyst with Low Overpotential. Journal of the American Chemical Society, 2014, 136, 273-281.	13.7	339
152	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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