

Cheng-Yong Su

List of Publications by Year in descending order

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590
papers

42,524
citations

2544

96
h-index

4015

176
g-index

617
all docs

617
docs citations

617
times ranked

34472
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of metal-organic frameworks in heterogeneous supramolecular catalysis. <i>Chemical Society Reviews</i> , 2014, 43, 6011-6061.	38.1	2,540
2	Construction of Covalent Organic Framework for Catalysis: Pd/COF-LZU1 in Suzuki-Miyaura Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 19816-19822.	13.7	1,942
3	Two Stable 3D Metal-Organic Frameworks Constructed by Nanoscale Cages via Sharing the Single-Layer Walls. <i>Journal of the American Chemical Society</i> , 2006, 128, 34-35.	13.7	1,094
4	Thioether-Based Fluorescent Covalent Organic Framework for Selective Detection and Facile Removal of Mercury(II). <i>Journal of the American Chemical Society</i> , 2016, 138, 3031-3037.	13.7	1,076
5	A CsPbBr ₃ Perovskite Quantum Dot/Graphene Oxide Composite for Photocatalytic CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 5660-5663.	13.7	946
6	Single-Phase White-Light-Emitting and Photoluminescent Color-Tuning Coordination Assemblies. <i>Chemical Reviews</i> , 2018, 118, 8889-8935.	47.7	444
7	Synthesis and Photocatalytic Application of Stable Lead-Free Cs ₂ AgBiBr ₆ Perovskite Nanocrystals. <i>Small</i> , 2018, 14, e1703762.	10.0	443
8	Ligand-Directed Molecular Architectures: Self-Assembly of Two-Dimensional Rectangular Metallacycles and Three-Dimensional Trigonal or Tetragonal Prisms. <i>Journal of the American Chemical Society</i> , 2003, 125, 8595-8613.	13.7	437
9	Novel porous molybdenum tungsten phosphide hybrid nanosheets on carbon cloth for efficient hydrogen evolution. <i>Energy and Environmental Science</i> , 2016, 9, 1468-1475.	30.8	437
10	Core@Shell CsPbBr ₃ @Zeolitic Imidazolate Framework Nanocomposite for Efficient Photocatalytic CO ₂ Reduction. <i>ACS Energy Letters</i> , 2018, 3, 2656-2662.	17.4	425
11	Missing-linker metal-organic frameworks for oxygen evolution reaction. <i>Nature Communications</i> , 2019, 10, 5048.	12.8	422
12	Reduced Graphene Oxide-Hierarchical ZnO Hollow Sphere Composites with Enhanced Photocurrent and Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8111-8117.	3.1	413
13	Exceptionally Stable, Hollow Tubular Metal-Organic Architectures: Synthesis, Characterization, and Solid-State Transformation Study. <i>Journal of the American Chemical Society</i> , 2004, 126, 3576-3586.	13.7	392
14	Porous Pt-Ni-P Composite Nanotube Arrays: Highly Electroactive and Durable Catalysts for Methanol Electrooxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 5730-5733.	13.7	375
15	Ultrafast water sensing and thermal imaging by a metal-organic framework with switchable luminescence. <i>Nature Communications</i> , 2017, 8, 15985.	12.8	373
16	Modulating electronic structure of metal-organic frameworks by introducing atomically dispersed Ru for efficient hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 1369.	12.8	360
17	Oriented hierarchical single crystalline anatase TiO ₂ nanowire arrays on Ti-foil substrate for efficient flexible dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 5750-5757.	30.8	353
18	A synthetic route to ultralight hierarchically micro/mesoporous Al(III)-carboxylate metal-organic aerogels. <i>Nature Communications</i> , 2013, 4, 1774.	12.8	310

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19	A Highly Red-Emissive Lead-Free Indium-Based Perovskite Single Crystal for Sensitive Water Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5277-5281.	13.8	310
20	Recent Advances in Supramolecular Design and Assembly of Silver(I) Coordination Polymers. <i>Australian Journal of Chemistry</i> , 2006, 59, 3.	0.9	303
21	Metal-organic gels: From discrete metallogelators to coordination polymers. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1373-1408.	18.8	297
22	Hydrothermal Fabrication of Hierarchically Anatase TiO ₂ Nanowire arrays on FTO Glass for Dye-sensitized Solar Cells. <i>Scientific Reports</i> , 2013, 3, 1352.	3.3	291
23	Stepwise Assembly of Pd ₆ (RuL ₃) ₈ Nanoscale Rhombododecahedral Metal-Organic Cages via Metalloligand Strategy for Guest Trapping and Protection. <i>Journal of the American Chemical Society</i> , 2014, 136, 4456-4459.	13.7	290
24	Tri-functional hierarchical TiO ₂ spheres consisting of anatase nanorods and nanoparticles for high efficiency dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 4079.	30.8	287
25	Single-crystal ZnO nanorod/amorphous and nanoporous metal oxide shell composites: Controllable electrochemical synthesis and enhanced supercapacitor performances. <i>Energy and Environmental Science</i> , 2011, 4, 1288.	30.8	271
26	In Situ Growth of 120 nm ² CH ₃ NH ₃ PbBr ₃ Perovskite Crystal Film on FTO Glass for Narrowband-Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1602639.	21.0	252
27	Dynamic Study of Highly Efficient CdS/CdSe Quantum Dot-Sensitized Solar Cells Fabricated by Electrodeposition. <i>ACS Nano</i> , 2011, 5, 9494-9500.	14.6	249
28	Modulating Electronic Structure of Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Advanced Energy Materials</i> , 2018, 8, 1801564.	19.5	240
29	Chiral metal-organic cages/containers (MOCs): From structural and stereochemical design to applications. <i>Coordination Chemistry Reviews</i> , 2019, 378, 333-349.	18.8	238
30	Dual-Emission from a Single-Phase Eu-Ag Metal-Organic Framework: An Alternative Way to Get White-Light Phosphor. <i>Chemistry of Materials</i> , 2012, 24, 1954-1960.	6.7	236
31	Self-Assembly of Trigonal-Prismatic Metallocages Encapsulating BF ₄ or CuI ₂ as Anionic Guests: Structures and Mechanism of Formation. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3371-3375.	13.8	231
32	Multistack Integration of Three-Dimensional Hyperbranched Anatase Titania Architectures for High-Efficiency Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 6437-6445.	13.7	224
33	Tröger's base-functionalised organic nanoporous polymer for heterogeneous catalysis. <i>Chemical Communications</i> , 2010, 46, 970-972.	4.1	221
34	Homochiral D ₄ -symmetric metal-organic cages from stereogenic Ru(II) metalloligands for effective enantioseparation of atropisomeric molecules. <i>Nature Communications</i> , 2016, 7, 10487.	12.8	214
35	Synthesis of hierarchical rippled Bi ₂ O ₃ nanobelts for supercapacitor applications. <i>Chemical Communications</i> , 2010, 46, 5021.	4.1	206
36	Epitaxial Growth of Hetero-Ln-MOF Hierarchical Single Crystals for Domain-Controlled Multicolor Luminescence 3D Coding Capability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14582-14586.	13.8	206

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37	Ordered Crystalline TiO ₂ Nanotube Arrays on Transparent FTO Glass for Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15228-15233.	3.1	201
38	Bimetallic Zeolitic Imidazolate Framework Derived Carbon Nanotubes Embedded with Co Nanoparticles for Efficient Bifunctional Oxygen Electrocatalyst. <i>Advanced Energy Materials</i> , 2018, 8, 1702048.	19.5	200
39	[Co ₂ (ppca) ₂ (H ₂ O)(V ₄ O ₁₂) _{0.5}]: A Framework Material Exhibiting Reversible Shrinkage and Expansion through a Single-Crystal-to-Single-Crystal Transformation Involving a Change in the Cobalt Coordination Environment. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6673-6677.	13.8	198
40	Dimension engineering on cesium lead iodide for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2066-2072.	10.3	198
41	New materials in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 68-83.	11.4	196
42	Improving the Extraction of Photogenerated Electrons with SnO ₂ Nanocolloids for Efficient Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 7200-7207.	14.9	194
43	One-, Two-, and Three-Dimensional Lanthanide Complexes Constructed from Pyridine-2,6-dicarboxylic Acid and Oxalic Acid Ligands. <i>Crystal Growth and Design</i> , 2008, 8, 4083-4091.	3.0	193
44	Progress in the study of metal-organic materials applying naphthalene diimide (NDI) ligands. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1921-1936.	18.8	188
45	Application of nanomaterials in sample preparation. <i>Journal of Chromatography A</i> , 2013, 1300, 2-16.	3.7	186
46	Recent Developments in Crystal Engineering. <i>Crystal Growth and Design</i> , 2011, 11, 875-886.	3.0	178
47	Bright Blue-Emitting Ce ³⁺ Complexes with Encapsulating Polybenzimidazole Tripodal Ligands as Potential Electroluminescent Devices. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7399-7403.	13.8	176
48	Ultra-long anatase TiO ₂ nanowire arrays with multi-layered configuration on FTO glass for high-efficiency dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 644-649.	30.8	176
49	Dynamic Spacer Installation for Multirole Metal-Organic Frameworks: A New Direction toward Multifunctional MOFs Achieving Ultrahigh Methane Storage Working Capacity. <i>Journal of the American Chemical Society</i> , 2017, 139, 6034-6037.	13.7	168
50	Self-supported NiMoP ₂ nanowires on carbon cloth as an efficient and durable electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7191-7199.	10.3	168
51	A novel highly luminescent LnMOF film: a convenient sensor for Hg ²⁺ detecting. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11312.	10.3	166
52	Achieving high-performance planar perovskite solar cell with Nb-doped TiO ₂ compact layer by enhanced electron injection and efficient charge extraction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5647-5653.	10.3	163
53	Fabrication of Novel Hierarchical I ² -Ni(OH) ₂ and NiO Microspheres via an Easy Hydrothermal Process. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5508-5513.	3.1	162
54	Effect of TiO ₂ morphology on photovoltaic performance of dye-sensitized solar cells: nanoparticles, nanofibers, hierarchical spheres and ellipsoid spheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 7910.	6.7	162

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55	Regio- and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3852-3856.	13.8	162
56	A metal-organic cage incorporating multiple light harvesting and catalytic centres for photochemical hydrogen production. <i>Nature Communications</i> , 2016, 7, 13169.	12.8	158
57	Maximizing omnidirectional light harvesting in metal oxide hyperbranched array architectures. <i>Nature Communications</i> , 2014, 5, 3968.	12.8	156
58	Progress of nanostructured metal oxides derived from metal-organic frameworks as anode materials for lithium-ion batteries. <i>Coordination Chemistry Reviews</i> , 2020, 420, 213434.	18.8	149
59	Highly efficient CdTe/CdS quantum dot sensitized solar cells fabricated by a one-step linker assisted chemical bath deposition. <i>Chemical Science</i> , 2011, 2, 1396.	7.4	148
60	Pure white-light and yellow-to-blue emission tuning in single crystals of Dy(III)-metal-organic frameworks. <i>Chemical Communications</i> , 2014, 50, 7702-7704.	4.1	146
61	White-Light Emission from Dual-Way Photon Energy Conversion in a Dye-Encapsulated Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9752-9757.	13.8	145
62	All-Inorganic Lead-Free Cs ₂ PdX ₆ (X = Br, I) Perovskite Nanocrystals with Single Unit Cell Thickness and High Stability. <i>ACS Energy Letters</i> , 2018, 3, 2613-2619.	17.4	143
63	Preparation and characterization of metal-organic framework MIL-101(Cr)-coated solid-phase microextraction fiber. <i>Analytica Chimica Acta</i> , 2015, 853, 303-310.	5.4	142
64	Hierarchically micro/nanostructured photoanode materials for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 15475.	6.7	141
65	Organic Dye Bearing Asymmetric Double Donor-Acceptor Chains for Dye-Sensitized Solar Cells. <i>Journal of Organic Chemistry</i> , 2011, 76, 8015-8021.	3.2	140
66	Linear Dependence of Photoluminescence in Mixed Ln-MOFs for Color Tunability and Barcode Application. <i>Inorganic Chemistry</i> , 2015, 54, 5707-5716.	4.0	140
67	A Multistimuli-Responsive Photochromic Metal-Organic Gel. <i>Advanced Materials</i> , 2014, 26, 2072-2077.	21.0	135
68	A micron-scale laminar MAPbBr ₃ single crystal for an efficient and stable perovskite solar cell. <i>Chemical Communications</i> , 2017, 53, 5163-5166.	4.1	135
69	One-Step Construction of Hydrophobic MOFs@COFs Core-Shell Composites for Heterogeneous Selective Catalysis. <i>Advanced Science</i> , 2019, 6, 1802365.	11.2	134
70	Evolution of Spherical Assemblies to Fibrous Networked Pd(II) Metallogels from a Pyridine-Based Tripodal Ligand and Their Catalytic Property. <i>Chemistry of Materials</i> , 2009, 21, 557-563.	6.7	133
71	A simple topological identification method for highly (3,12)-connected 3D MOFs showing anion exchange and luminescent properties. <i>Chemical Communications</i> , 2011, 47, 4234.	4.1	131
72	Fabrication of Au ₂₅ (SG) ₁₈ -ZIF-8 Nanocomposites: A Facile Strategy to Position Au ₂₅ (SG) ₁₈ Nanoclusters Inside and Outside ZIF-8. <i>Advanced Materials</i> , 2018, 30, 1704576.	21.0	129

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73	Tailoring exciton and excimer emission in an exfoliated ultrathin 2D metal-organic framework. <i>Nature Communications</i> , 2018, 9, 2401.	12.8	129
74	A porous rhodium(III)-porphyrin metal-organic framework as an efficient and selective photocatalyst for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 173-181.	20.2	126
75	Precise Modulation of the Breathing Behavior and Pore Surface in Zr-MOFs by Reversible Post-Synthetic Variable-Spacer Installation to Fine-Tune the Expansion Magnitude and Sorption Properties. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9932-9936.	13.8	125
76	Multidimensional Frameworks Assembled from Silver(I) Coordination Polymers Containing Flexible Bis(thioquinoly) Ligands: Role of the Intra- and Intermolecular Aromatic Stacking Interactions. <i>Inorganic Chemistry</i> , 2003, 42, 3738-3750.	4.0	123
77	Formation of Dinuclear, Macrocyclic, and Chain Structures from Hg ₂ and a Semirigid Benzimidazole-Based Bridging Ligand: An Example of Ring-Opening Supramolecular Isomerism. <i>Inorganic Chemistry</i> , 2003, 42, 5685-5692.	4.0	123
78	Calix[4]arene based dye-sensitized Pt@UiO-66-NH ₂ metal-organic framework for efficient visible-light photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 426-433.	20.2	117
79	Copper(I) Complexes of Normal and Abnormal Carbenes and Their Use as Catalysts for the Huisgen [3+2] Cycloaddition between Azides and Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3067-3075.	2.0	116
80	The first 2D^{TM} (2O/2U) 2D weave structure assembled from Hg-containing 1D coordination polymer chains. <i>Chemical Communications</i> , 2003, , 1630-1631.	4.1	114
81	Coordination Assemblies of Metallacyclic, Prismatic and Tubular Molecular Architectures Based on the Non-rigid Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2997-3010.	2.0	113
82	The roles of defect states in photoelectric and photocatalytic processes for Zn _x Cd _{1-x} S. <i>Energy and Environmental Science</i> , 2011, 4, 466-470.	30.8	112
83	Formation of Mono-, Bi-, Tri-, and Tetranuclear Ag(I) Complexes of C ₃ -Symmetric Tripodal Benzimidazole Ligands. <i>Inorganic Chemistry</i> , 2000, 39, 4843-4849.	4.0	111
84	Sonochemical Preparation of Hierarchical ZnO Hollow Spheres for Efficient Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2010, 16, 8757-8761.	3.3	111
85	Hierarchical Oriented Anatase TiO ₂ Nanostructure arrays on Flexible Substrate for Efficient Dye-sensitized Solar Cells. <i>Scientific Reports</i> , 2013, 3, 1892.	3.3	111
86	Highly Efficient Visible-to-NIR Luminescence of Lanthanide(III) Complexes with Zwitterionic Ligands Bearing Charge-Transfer Character: Beyond Triplet Sensitization. <i>Chemistry - A European Journal</i> , 2016, 22, 2440-2451.	3.3	109
87	Two Zn ^{II} Metal-Organic Frameworks with Coordinatively Unsaturated Metal Sites: Structures, Adsorption, and Catalysis. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2796-2804.	3.3	107
88	Amide and N-oxide functionalization of T-shaped ligands for isoreticular MOFs with giant enhancements in CO ₂ separation. <i>Chemical Communications</i> , 2014, 50, 14631-14634.	4.1	107
89	Nanotubular Metal-Organic Frameworks with High Porosity Based on T-Shaped Pyridyl Dicarboxylate Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 1743-1748.	4.0	104
90	(L) ₂ C ₂ P ₂ : Dicarbondiphosphide Stabilized by Heterocyclic Carbenes or Cyclic Diamido Carbenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5744-5749.	13.8	102

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91	Design and Enantioresolution of Homochiral Fe(II)–Pd(II) Coordination Cages from Stereolabile Metalloligands: Stereochemical Stability and Enantioselective Separation. <i>Journal of the American Chemical Society</i> , 2018, 140, 18183-18191.	13.7	102
92	A stable metal cluster-metalloporphyrin MOF with high capacity for cationic dye removal. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17698-17705.	10.3	102
93	Dye-sensitized solar cells based on a double layered TiO ₂ photoanode consisting of hierarchical nanowire arrays and nanoparticles with greatly improved photovoltaic performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 18057.	6.7	100
94	A Metal–Organic Supramolecular Box as a Universal Reservoir of UV, WL, and NIR Light for Long–Persistent Luminescence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3481-3485.	13.8	99
95	MOF-derived Mn doped porous CoP nanosheets as efficient and stable bifunctional electrocatalysts for water splitting. <i>Dalton Transactions</i> , 2018, 47, 14679-14685.	3.3	98
96	Catalysis through Dynamic Spacer Installation of Multivariate Functionalities in Metal–Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2589-2593.	13.7	98
97	Electrochemical synthesis of nanostructured materials for electrochemical energy conversion and storage. <i>Nanoscale</i> , 2013, 5, 4056.	5.6	97
98	Toward High Performance Photoelectrochemical Water Oxidation: Combined Effects of Ultrafine Cobalt Iron Oxide Nanoparticle. <i>Advanced Functional Materials</i> , 2016, 26, 4414-4421.	14.9	97
99	Columnar Supramolecular Architecture Self-Assembled from S ₄ -Symmetric Coordination Nanotubes Encapsulating Neutral Guest Molecules. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4085-4089.	13.8	96
100	Nanoparticle Cookies Derived from Metal–Organic Frameworks: Controlled Synthesis and Application in Anode Materials for Lithium–Ion Batteries. <i>Small</i> , 2016, 12, 2365-2375.	10.0	96
101	Semiconductive Amine-Functionalized Co(II)-MOF for Visible-Light-Driven Hydrogen Evolution and CO ₂ Reduction. <i>Inorganic Chemistry</i> , 2018, 57, 11436-11442.	4.0	93
102	Metal-Directed Assembly of Coordination Polymers with a Multifunctional Semirigid Ligand Containing Pyridyl and Benzimidazolyl Donor Groups. <i>Crystal Growth and Design</i> , 2009, 9, 2341-2353.	3.0	92
103	Inherently Chiral Calixarenes: Synthesis, Optical Resolution, Chiral Recognition and Asymmetric Catalysis. <i>International Journal of Molecular Sciences</i> , 2011, 12, 429-455.	4.1	92
104	Visible–Light Photocatalysis of Asymmetric [2+2] Cycloaddition in Cage–Confined Nanospace Merging Chirality with Triplet–State Photosensitization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8661-8669.	13.8	92
105	Electrospun Hierarchical TiO ₂ Nanorods with High Porosity for Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9205-9211.	8.0	91
106	A double layered TiO ₂ photoanode consisting of hierarchical flowers and nanoparticles for high-efficiency dye-sensitized solar cells. <i>Nanoscale</i> , 2013, 5, 4362.	5.6	91
107	CdS/CdSe co-sensitized TiO ₂ nanowire-coated hollow Spheres exceeding 6% photovoltaic performance. <i>Nano Energy</i> , 2015, 11, 621-630.	16.0	91
108	High performance and reduced charge recombination of CdSe/CdS quantum dot-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 12058.	6.7	90

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109	Constructing 3D Branched Nanowire Coated Macroporous Metal Oxide Electrodes with Homogeneous or Heterogeneous Compositions for Efficient Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4816-4821.	13.8	90
110	Formation of Various Morphologies of Covellite Copper Sulfide Submicron Crystals by a Hydrothermal Method without Surfactant. <i>Crystal Growth and Design</i> , 2005, 5, 855-860.	3.0	89
111	Facile and Efficient Electrochemical Synthesis of PbTe Dendritic Structures. <i>Chemistry of Materials</i> , 2008, 20, 3306-3314.	6.7	89
112	Nanospace Engineering of Metal-Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9680-9685.	13.8	89
113	Metal-organic gels as functionalisable supports for catalysis. <i>New Journal of Chemistry</i> , 2009, 33, 1070.	2.8	87
114	Porous organic-inorganic hybrid aerogels based on Cr ³⁺ /Fe ³⁺ and rigid bridging carboxylates. <i>Journal of Materials Chemistry</i> , 2012, 22, 1862-1867.	6.7	87
115	Preparation of graphene-coated solid-phase microextraction fiber and its application on organochlorine pesticides determination. <i>Journal of Chromatography A</i> , 2013, 1300, 187-192.	3.7	87
116	Well-distributed Pt-nanoparticles within confined coordination interspaces of self-sensitized porphyrin metal-organic frameworks: synergistic effect boosting highly efficient photocatalytic hydrogen evolution reaction. <i>Chemical Science</i> , 2019, 10, 10577-10585.	7.4	87
117	Hierarchical Tin Oxide Octahedra for Highly Efficient Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2010, 16, 8620-8625.	3.3	86
118	Post-synthetic exchange (PSE) of UiO-67 frameworks with Ru/Rh half-sandwich units for visible-light-driven H ₂ evolution and CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11337-11345.	10.3	86
119	Silver Telluride Nanotubes Prepared by the Hydrothermal Method. <i>Inorganic Chemistry</i> , 2007, 46, 7403-7409.	4.0	84
120	Formation of two (6,3) networks showing structural diversity, Borromean topology and conformational chirality in the same crystal. <i>Chemical Communications</i> , 2007, , 4242.	4.1	84
121	Structural Diversity of a Series of Mn(II), Cd(II), and Co(II) Complexes with Pyridine Donor Diimide Ligands. <i>Crystal Growth and Design</i> , 2011, 11, 2763-2772.	3.0	84
122	Highly efficient and stable organic sensitizers with duplex starburst triphenylamine and carbazole donors for liquid and quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8988-8994.	10.3	84
123	Zero to Three Dimensional Increase of Silver(I) Coordination Assemblies Controlled by Deprotonation of 1,3,5-Tri(2-benzimidazolyl)benzene and Aggregation of Multinuclear Building Units. <i>Inorganic Chemistry</i> , 2007, 46, 4617-4625.	4.0	83
124	A multifunctional poly-N-vinylcarbazole interlayer in perovskite solar cells for high stability and efficiency: a test with new triazatruxene-based hole transporting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1913-1918.	10.3	83
125	Controllable Electrochemical Synthesis of Ce ⁴⁺ -Doped ZnO Nanostructures from Nanotubes to Nanorods and Nanocages. <i>Crystal Growth and Design</i> , 2008, 8, 1276-1281.	3.0	82
126	Two ligand-functionalized Pb(ii) metal-organic frameworks: structures and catalytic performances. <i>Dalton Transactions</i> , 2012, 41, 10422.	3.3	82

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127	Three-Dimensional TiO ₂ /ZnO Hybrid Array as a Heterostructured Anode for Efficient Quantum-Dot-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5199-5205.	8.0	82
128	Engineering catalytic coordination space in a chemically stable Ir-porphyrin MOF with a confinement effect inverting conventional Si-H insertion chemoselectivity. <i>Chemical Science</i> , 2017, 8, 775-780.	7.4	82
129	Conformal coating of ultrathin metal-organic framework on semiconductor electrode for boosted photoelectrochemical water oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 9-17.	20.2	82
130	Ultrathin Graphitic Carbon Nitride Nanosheets for Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 1010-1018.	5.0	82
131	Unusual Noninterpenetrating (3,6) Topological Network Assembled by Semirigid Benzimidazole-Based Bridging Ligand. <i>Inorganic Chemistry</i> , 2001, 40, 2210-2211.	4.0	81
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