Wei-Qiao Deng

List of Publications by Year
in descending order

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		13099	18647
216	15,543	68	119
papers	citations	h-index	g-index

226	226	226	17038
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capture and conversion of CO2 at ambient conditions by a conjugated microporous polymer. Nature Communications, 2013, 4, 1960.	12.8	661
2	Predictions of Hole Mobilities in Oligoacene Organic Semiconductors from Quantum Mechanical Calculationsâ€. Journal of Physical Chemistry B, 2004, 108, 8614-8621.	2.6	586
3	Superhydrophobic conjugated microporous polymers for separation and adsorption. Energy and Environmental Science, 2011, 4, 2062.	30.8	560
4	Leadâ€Free, Airâ€Stable Allâ€Inorganic Cesium Bismuth Halide Perovskite Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 12471-12475.	13.8	487
5	Selectively nitrogen-doped carbon materials as superior metal-free catalysts for oxygen reduction. Nature Communications, 2018, 9, 3376.	12.8	436
6	Lead-Free Direct Band Gap Double-Perovskite Nanocrystals with Bright Dual-Color Emission. Journal of the American Chemical Society, 2018, 140, 17001-17006.	13.7	399
7	Development of the ReaxFF Reactive Force Field for Describing Transition Metal Catalyzed Reactions, with Application to the Initial Stages of the Catalytic Formation of Carbon Nanotubes. Journal of Physical Chemistry A, 2005, 109, 493-499.	2.5	390
8	Thermal conductivity of diamond and related materials from molecular dynamics simulations. Journal of Chemical Physics, 2000, 113, 6888-6900.	3.0	307
9	New Alkali Doped Pillared Carbon Materials Designed to Achieve Practical Reversible Hydrogen Storage for Transportation. Physical Review Letters, 2004, 92, 166103.	7.8	307
10	First-Principles Investigation of Anistropic Hole Mobilities in Organic Semiconductors. Journal of Physical Chemistry B, 2009, 113, 8813-8819.	2.6	292
11	Leadâ€Free Silverâ€Bismuth Halide Double Perovskite Nanocrystals. Angewandte Chemie - International Edition, 2018, 57, 5359-5363.	13.8	281
12	Nafion/Zeolite Nanocomposite Membrane by in Situ Crystallization for a Direct Methanol Fuel Cell. Chemistry of Materials, 2006, 18, 5669-5675.	6.7	276
13	Lithiumâ€Doped Conjugated Microporous Polymers for Reversible Hydrogen Storage. Angewandte Chemie - International Edition, 2010, 49, 3330-3333.	13.8	258
14	Ultrasensitive and Fast Allâ€Inorganic Perovskiteâ€Based Photodetector via Fast Carrier Diffusion. Advanced Materials, 2017, 29, 1703758.	21.0	255
15	ReaxFFMgHReactive Force Field for Magnesium Hydride Systems. Journal of Physical Chemistry A, 2005, 109, 851-859.	2.5	234
16	Meccano on the Nanoscaleâ€"A Blueprint for Making Some of the World's Tiniest Machines. Australian Journal of Chemistry, 2004, 57, 301.	0.9	228
17	Improved Designs of Metalâ€"Organic Frameworks for Hydrogen Storage. Angewandte Chemie - International Edition, 2007, 46, 6289-6292.	13.8	212
18	Synthesis of conjugated microporous polymer nanotubes with large surface areas as absorbents for iodine and CO₂ uptake. Journal of Materials Chemistry A, 2015, 3, 87-91.	10.3	212

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19	Airâ€Stable, Leadâ€Free Zeroâ€Dimensional Mixed Bismuthâ€Antimony Perovskite Single Crystals with Ultraâ€broadband Emission. Angewandte Chemie - International Edition, 2019, 58, 2725-2729.	13.8	199
20	Colloidal Synthesis and Chargeâ€Carrier Dynamics of Cs₂AgSb_{1â^'y}Bi_yX₆ (X: Br, Cl; 0 â‰¤y) Tj ET q 0 0 0 rg BT /Over	13.8	199
21	Conductive Microporous Covalent Triazineâ€Based Framework for Highâ€Performance Electrochemical Capacitive Energy Storage. Angewandte Chemie - International Edition, 2018, 57, 7992-7996.	13.8	193
22	Colloidal Synthesis and Optical Properties of Allâ€Inorganic Lowâ€Dimensional Cesium Copper Halide Nanocrystals. Angewandte Chemie - International Edition, 2019, 58, 16087-16091.	13.8	192
23	Superhydrophobic Activated Carbonâ€Coated Sponges for Separation and Absorption. ChemSusChem, 2013, 6, 1057-1062.	6.8	190
24	Quantitative prediction of charge mobilities of Ï€-stacked systems by first-principles simulation. Nature Protocols, 2015, 10, 632-642.	12.0	187
25	Contact Resistance for â€œEnd-Contactedâ€•Metalâ^'Graphene and Metalâ^'Nanotube Interfaces from Quantum Mechanics. Journal of Physical Chemistry C, 2010, 114, 17845-17850.	3.1	177
26	Isolated Single-Atom Niâ€“N₅ Catalytic Site in Hollow Porous Carbon Capsules for Efficient Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 9691-9698.	9.1	167
27	Leadâ€Free Sodiumâ€“Indium Double Perovskite Nanocrystals through Doping Silver Cations for Bright Yellow Emission. Angewandte Chemie - International Edition, 2019, 58, 17231-17235.	13.8	166
28	Allâ€Inorganic Leadâ€Free 0D Perovskites by a Doping Strategy to Achieve a PLQY Boost from <2â€‰% to 90â€‰%. Angewandte Chemie - International Edition, 2020, 59, 12709-12713.	13.8	162
29	In situ photodeposition of platinum clusters on a covalent organic framework for photocatalytic hydrogen production. Nature Communications, 2022, 13, 1355.	12.8	140
30	Enhancement of Photogenerated Electron Transport in Dyeâ€Sensitized Solar Cells with Introduction of a Reduced Graphene Oxideâ€“TiO₂ Junction. Chemistry - A European Journal, 2011, 17, 10832-10837.	3.3	133
31	Leadâ€Free Silverâ€Bismuth Halide Double Perovskite Nanocrystals. Angewandte Chemie, 2018, 130, 5457-5461.	2.0	132
32	DFT Study of Hydrogen Storage by Spillover on Graphene with Boron Substitution. Journal of Physical Chemistry C, 2011, 115, 9241-9249.	3.1	129
33	An oleic acid-capped CdSe quantum-dot sensitized solar cell. Applied Physics Letters, 2009, 94, .	3.3	126
34	Efficient Thermally Activated Delayed Fluorescence from Allâ€Inorganic Cesium Zirconium Halide Perovskite Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 21925-21929.	13.8	126
35	Contact Resistance Properties between Nanotubes and Various Metals from Quantum Mechanics. Journal of Physical Chemistry C, 2007, 111, 11113-11116.	3.1	125
36	Innovative nanoporous carbons with ultrahigh uptakes for capture and reversible storage of CO2 and volatile iodine. Journal of Hazardous Materials, 2017, 321, 210-217.	12.4	125

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37	A Two-Stage Mechanism of Bimetallic Catalyzed Growth of Single-Walled Carbon Nanotubes. Nano Letters, 2004, 4, 2331-2335.	9.1	116
38	Aceneâ€Modified Triphenylamine Dyes for Dyeâ€Sensitized Solar Cells: A Computational Study. ChemPhysChem, 2012, 13, 2051-2060.	2.1	114
39	High-Capacity Amidoxime-Functionalized Î²-Cyclodextrin/Graphene Aerogel for Selective Uranium Capture. Environmental Science & Technology, 2021, 55, 9181-9188.	10.0	112
40	Controlled synthesis of Pt-decorated Au nanostructure and its promoted activity toward formic acid electro-oxidation. Electrochimica Acta, 2009, 54, 4916-4924.	5.2	108
41	The study of Pt@Au electrocatalyst based on Cu underpotential deposition and Pt redox replacement. Electrochimica Acta, 2009, 54, 3092-3097.	5.2	105
42	Photo-oxidative degradation of methylammonium lead iodide perovskite: mechanism and protection. Journal of Materials Chemistry A, 2019, 7, 2275-2282.	10.3	105
43	Theoretical Investigation of CO₂ Adsorption and Dissociation on Low Index Surfaces of Transition Metals. Journal of Physical Chemistry C, 2018, 122, 8306-8314.	3.1	104
44	Manganese-Doped, Lead-Free Double Perovskite Nanocrystals for Bright Orange-Red Emission. ACS Central Science, 2020, 6, 566-572.	11.3	102
45	Efficient Fixation of CO₂ by a Zincâ€Coordinated Conjugated Microporous Polymer. ChemSusChem, 2014, 7, 2110-2114.	6.8	101
46	(C₆H₅C₂H₄NH₃)₂GeI₄: A Layered Two-Dimensional Perovskite with Potential for Photovoltaic Applications. Journal of Physical Chemistry Letters, 2017, 8, 4402-4406.	4.6	98
47	First-Principles Screening of All-Inorganic Lead-Free ABX₃ Perovskites. Journal of Physical Chemistry C, 2018, 122, 7670-7675.	3.1	98
48	An Electrochemical Color-Switchable RGB Dye:Â Tristable [2]Catenane. Journal of the American Chemical Society, 2005, 127, 15994-15995.	13.7	95
49	Size effect of lead-free halide double perovskite on luminescence property. Science China Chemistry, 2019, 62, 1405-1413.	8.2	95
50	Simulation of Hole Mobility in Î±-Oligofuran Crystals. Journal of Physical Chemistry B, 2011, 115, 2140-2147.	2.6	92
51	Versatile Nickelâ€“Lanthanum(III) Catalyst for Direct Conversion of Cellulose to Glycols. ACS Catalysis, 2015, 5, 874-883.	11.2	92
52	Lead-Free, Two-Dimensional Mixed Germanium and Tin Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 2518-2522.	4.6	92
53	Constructing Sensitive and Fast Lead-Free Single-Crystalline Perovskite Photodetectors. Journal of Physical Chemistry Letters, 2018, 9, 3087-3092.	4.6	92
54	Extra long electronâ€“hole diffusion lengths in CH₃NH₃PbI_{3â^'x}Cl_x perovskite single crystals. Journal of Materials Chemistry C, 2017, 5, 8431-8435.	5.5	91

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55	Directly assembled CdSe quantum dots on TiO2 in aqueous solution by adjusting pH value for quantum dot sensitized solar cells. Electrochemistry Communications, 2009, 11, 2265-2267.	4.7	90
56	Extraordinary Capability for Water Treatment Achieved by a Perfluorous Conjugated Microporous Polymer. Scientific Reports, 2015, 5, 10155.	3.3	90
57	Leadâ€Free, Airâ€Stable Allâ€Inorganic Cesium Bismuth Halide Perovskite Nanocrystals. Angewandte Chemie, 2017, 129, 12645-12649.	2.0	88
58	Incorporation of graphene in quantum dot sensitized solar cells based on ZnO nanorods. Chemical Communications, 2011, 47, 6084.	4.1	82
59	Mechanism of the Stoddartâ^'Heath Bistable Rotaxane Molecular Switch. Journal of the American Chemical Society, 2004, 126, 13562-13563.	13.7	80
60	Colloidal Synthesis and Optical Properties of Allâ€Inorganic Lowâ€Dimensional Cesium Copper Halide Nanocrystals. Angewandte Chemie, 2019, 131, 16233-16237.	2.0	78
61	Formamidinium Lead Bromide (FAPbBr3) Perovskite Microcrystals for Sensitive and Fast Photodetectors. Nano-Micro Letters, 2018, 10, 43.	27.0	77
62	Prominently Improved Hydrogen Purification and Dispersive Metal Binding for Hydrogen Storage by Substitutional Doping in Porous Graphene. Journal of Physical Chemistry C, 2012, 116, 21291-21296.	3.1	76
63	Oxygen defect engineering in cobalt iron oxide nanosheets for promoted overall water splitting. Journal of Materials Chemistry A, 2019, 7, 21704-21710.	10.3	76
64	Lead-free and stable antimonyâ€“silver-halide double perovskite (CH₃NH₃)₂AgSbI₆. RSC Advances, 2017, 7, 35175-35180.	3.6	75
65	Enhanced carbon dioxide conversion at ambient conditions via a pore enrichment effect. Nature Communications, 2020, 11, 4481.	12.8	74
66	Electrochemical hydrogen storage properties of ball-milled multi-wall carbon nanotubes. International Journal of Hydrogen Energy, 2009, 34, 1437-1443.	7.1	73
67	Combining theory and experiment in the design of a lead-free ((CH₃NH₃)₂AgBiI₆) double perovskite. New Journal of Chemistry, 2017, 41, 9598-9601.	2.8	72
68	Toward Electrochemically Controllable Tristable Three-Station [2]Catenanes. Chemistry - an Asian Journal, 2007, 2, 76-93.	3.3	70
69	Rhodiumâ€Catalyzed Câ^'H Activationâ€Based Construction of Axially and Centrally Chiral Indenes through Two Discrete Insertions. Angewandte Chemie - International Edition, 2021, 60, 16628-16633.	13.8	68
70	Fluorinated Imidazoles as Proton Carriers for Water-Free Fuel Cell Membranes. Journal of the American Chemical Society, 2004, 126, 15644-15645.	13.7	67
71	Conductive Microporous Covalent Triazineâ€Based Framework for Highâ€Performance Electrochemical Capacitive Energy Storage. Angewandte Chemie, 2018, 130, 8124-8128.	2.0	67
72	Preparation of poly(acrylic acid)â€“graphite oxide superabsorbent nanocomposites. Journal of Materials Chemistry, 2012, 22, 4811.	6.7	66

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73	Co-sensitized quantum dot solar cell based on ZnO nanowire. Applied Surface Science, 2010, 256, 7438-7441.	6.1	64
74	Reaction Mechanism of Epoxide Cycloaddition to CO₂ Catalyzed by Salen-M (M = Co, Al,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	64
75	Study on the Morphologies of Covalent Organic Microporous Polymers: the Role of Reaction Solvents. Macromolecular Chemistry and Physics, 2012, 213, 1435-1440.	2.2	60
76	Perovskite CH₃NH₃PbI_{3â€“x}Br_x Single Crystals with Charge-Carrier Lifetimes Exceeding 260 Î¼s. ACS Applied Materials & Interfaces, 2017, 9, 14827-14832.	8.0	58
77	Ligand capping effect for dye solar cells with a CdSe quantum dot sensitized ZnO nanorod photoanode. Optics Express, 2010, 18, 1296.	3.4	57
78	Bilayer ZnO nanostructure fabricated by chemical bath and its application in quantum dot sensitized solar cell. Applied Surface Science, 2009, 255, 7508-7511.	6.1	56
79	Reduced charge recombination in a co-sensitized quantum dot solar cell with two different sizes of CdSequantum dot. Nanoscale, 2011, 3, 674-677.	5.6	56
80	Theoretical investigation of triphenylamine dye/titanium dioxide interface for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2011, 13, 16159.	2.8	55
81	Threeâ€Dimensional Superwetting Mesh Film Based On Graphene Assembly for Liquid Transportation and Selective Absorption. ChemSusChem, 2013, 6, 2377-2381.	6.8	55
82	Sulfur rich microporous polymer enables rapid and efficient removal of mercury(II) from water. Chemosphere, 2018, 196, 174-181.	8.2	55
83	Low Threshold Two-Photon-Pumped Amplified Spontaneous Emission in CH₃NH₃PbBr₃ Microdisks. ACS Applied Materials & Interfaces, 2016, 8, 19587-19592.	8.0	54
84	Revealing quantitative structureâ€“activity relationships of transport properties in acene and acene derivative organic materials. Physical Chemistry Chemical Physics, 2010, 12, 9267.	2.8	53
85	A 3Nrule for the electronic properties of doped graphene. Nanotechnology, 2013, 24, 225705.	2.6	53
86	Engineered Fabrication of Hierarchical Frameworks with Tuned Pore Structure and N,O-Co-Doping for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 31940-31949.	8.0	53
87	Colloidal Synthesis and Chargeâ€Carrier Dynamics of Cs₂AgSb_{1â^'y}Bi_yX₆ (X: Br, Cl; 0 â‰¤y) Tj ETQq1 1 0.784314	5.7	53
88	Ultrafast Vibrational and Thermal Relaxation of Dye Molecules in Solutions. Journal of Physical Chemistry A, 2003, 107, 10857-10861.	2.5	51
89	Ultra-low resistance at TTFâ€“TCNQ organic interfaces. Chemical Communications, 2010, 46, 5133.	4.1	50
90	Study on adsorption performance of conjugated microporous polymers for hydrogen and organic solvents: The role of pore volume. European Polymer Journal, 2012, 48, 705-711.	5.4	47

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91	Limiting Perovskite Solar Cell Performance by Heterogeneous Carrier Extraction. Angewandte Chemie - International Edition, 2016, 55, 13067-13071.	13.8	47
92	Carbon doped boron nitride cages as competitive candidates for hydrogen storage materials. Chemical Communications, 2010, 46, 883-885.	4.1	42
93	Bismuth doped lead-free two-dimensional tin based halide perovskite single crystals. Journal of Energy Chemistry, 2019, 36, 1-6.	12.9	42
94	Endohedral BN Metallofullerene M@B₃₆N₃₆ Complex As Promising Hydrogen Storage Materials. Journal of Physical Chemistry C, 2008, 112, 12195-12200.	3.1	41
95	Airâ€Stable, Leadâ€Free Zeroâ€Dimensional Mixed Bismuthâ€Antimony Perovskite Single Crystals with Ultraâ€broadband Emission. Angewandte Chemie, 2019, 131, 2751-2755.	2.0	41
96	Aryl/hetero-arylethyne bridged dyes: the effect of planar Ï€-bridge on the performance of dye-sensitized solar cells. New Journal of Chemistry, 2011, 35, 127-136.	2.8	40
97	Synthesis, characterization and application of trans-Dâ€“Bâ€“A-porphyrin based dyes in dye-sensitized solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 218, 219-225.	3.9	40
98	Superhydrophobic Mesoporous Graphene for Separation and Absorption. ChemPlusChem, 2013, 78, 1282-1287.	2.8	39
99	Chemical fixation of carbon dioxide catalyzed via covalent triazine frameworks as metal free heterogeneous catalysts without a cocatalyst. Journal of Materials Chemistry A, 2019, 7, 26071-26076.	10.3	39
100	Uniform coreâ€“shell titanium phosphate nanospheres with orderly open nanopores: a highly active BrÃ¸nsted acid catalyst. Chemical Communications, 2010, 46, 1670.	4.1	38
101	Allâ€Inorganic Leadâ€Free 0D Perovskites by a Doping Strategy to Achieve a PLQY Boost from <2â€‰% to 90â€‰%. Angewandte Chemie, 2020, 132, 12809-12813.	2.0	38
102	Colloidal Synthesis and Tunable Multicolor Emission of Vacancyâ€Ordered Cs₂HfCl₆ Perovskite Nanocrystals. Laser and Photonics Reviews, 2022, 16, .	8.7	38
103	Pyridine-Based N-Heterocyclic Carbene Hydride Complexes of Iridium via Câ€“H Activation. Organometallics, 2008, 27, 6193-6201.	2.3	37
104	Efficient fixation of CO2 at mild conditions by a Cr-conjugated microporous polymer. Journal of Energy Chemistry, 2014, 23, 22-28.	12.9	37
105	Carrier Multiplication and Hot-Carrier Cooling Dynamics in Quantum-Confined CsPbI₃ Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 1921-1926.	4.6	37
106	Niobium-Doped (001)-Dominated Anatase TiO₂ Nanosheets as Photoelectrode for Efficient Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 9576-9583.	8.0	36
107	Leadâ€Free Sodiumâ€“Indium Double Perovskite Nanocrystals through Doping Silver Cations for Bright Yellow Emission. Angewandte Chemie, 2019, 131, 17391-17395.	2.0	36
108	A DFT study of adsorption hydrogen on the Li-FAU zeolite. International Journal of Hydrogen Energy, 2008, 33, 105-110.	7.1	35

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109	Robust and all-inorganic absorbent based on natural clay nanocrystals with tunable surface wettability for separation and selective absorption. RSC Advances, 2014, 4, 12590.	3.6	34
110	Rotational Alignment of Products from the NOCl + Ca Chemiluminescent Reaction. Journal of Physical Chemistry A, 1997, 101, 7486-7489.	2.5	33
111	Chiral Hydroxytetraphenylene-Catalyzed Asymmetric Conjugate Addition of Boronic Acids to Enones. Organic Letters, 2019, 21, 5040-5045.	4.6	33
112	The H+/K+-ATPase inhibitory activities of Trametenolic acid B from Trametes lactinea (Berk.) Pat, and its effects on gastric cancer cells. FÃ¬toterapÃ¬Ã¢, 2013, 89, 210-217.	2.2	32
113	Reversible hydrogen storage of multi-wall carbon nanotubes doped with atomically dispersed lithium. Journal of Materials Chemistry, 2010, 20, 6490.	6.7	30
114	Flexible quantum dot sensitized solar cell by electrophoretic deposition of CdSe quantum dots on ZnO nanorods. Physical Chemistry Chemical Physics, 2011, 13, 13182.	2.8	30
115	Carbonization of self-assembled nanoporous hemin with a significantly enhanced activity for the oxygen reduction reaction. Faraday Discussions, 2014, 176, 393-408.	3.2	30
116	A green and facile method toward synthesis of waste paper-derived 3D functional porous graphene via in situ activation of cobalt(<scp>ii</scp>). Journal of Materials Chemistry A, 2015, 3, 16072-16078.	10.3	28
117	In Silico Design of Covalent Organic Framework-Based Electrocatalysts. Jacs Au, 2021, 1, 1497-1505.	7.9	28
118	3-Acyl-5-hydroxybenzofuran derivatives as potential anti-estrogen breast cancer agents: A combined experimental and theoretical investigation. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4617-4621.	2.2	27
119	Ab initio and RRKM calculations of o-benzyne pyrolysis. Chemical Physics Letters, 1998, 288, 33-36.	2.6	26
120	Bifunctional Anchors Connecting Carbon Nanotubes to Metal Electrodes for Improved Nanoelectronics. Journal of the American Chemical Society, 2007, 129, 9834-9835.	13.7	26
121	Phage display screening against a set of targets to establish peptide-based sugar mimetics and molecular docking to predict binding site. Bioorganic and Medicinal Chemistry, 2009, 17, 4825-4832.	3.0	26
122	Accurate van der Waals force field for gas adsorption in porous materials. Journal of Computational Chemistry, 2017, 38, 1991-1999.	3.3	26
123	Excitationâ€Dependent Emission in Allâ€Inorganic Leadâ€Free Cs₂ScCl₅·H₂O Perovskite Crystals. Laser and Photonics Reviews, 2022, 16, .	8.7	26
124	Conjugated Microporous Polymerâ€Derived Porous Hard Carbon as Highâ€Rate Longâ€Life Anode Materials for Lithium Ion Batteries. Energy Technology, 2013, 1, 721-725.	3.8	25
125	First-Principles Screening of Lead-Free Methylammonium Metal Iodine Perovskites for Photovoltaic Application. Journal of Physical Chemistry C, 2017, 121, 24359-24364.	3.1	25
126	Unblocked intramolecular charge transfer for enhanced CO2 photoreduction enabled by an imidazolium-based ionic conjugated microporous polymer. Applied Catalysis B: Environmental, 2022, 300, 120719.	20.2	25

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127	Efficient Thermally Activated Delayed Fluorescence from Allâ€Inorganic Cesium Zirconium Halide Perovskite Nanocrystals. Angewandte Chemie, 2020, 132, 22109-22113.	2.0	24
128	Improving the performance of quantum dot-sensitized solar cells by using TiO2nanosheets with exposed highly reactive facets. Nanotechnology, 2013, 24, 245401.	2.6	23
129	Homologous MXeneâ€Derived Electrodes for Potassiumâ€Ion Full Batteries. Advanced Energy Materials, 2022, 12, .	19.5	23
130	Potential-energy surface of HÂ·SO2. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 25-28.	1.7	22
131	Synthesis of cyanated tetracenes as the organic semiconductors. Organic Electronics, 2009, 10, 1054-1059.	2.6	22
132	Steric effects on the control of endo/exo-selectivity in the asymmetric cycloaddition reaction of 3,4-dimethyl-1-phenylarsole. Dalton Transactions, 2010, 39, 5453.	3.3	22
133	Synthesis of conjugated microporous polymers for gas storage and selective adsorption. Journal of Materials Science, 2015, 50, 6388-6394.	3.7	22
134	Iron single-atom catalysts confined in covalent organic frameworks for efficient oxygen evolution reaction. Cell Reports Physical Science, 2022, 3, 100804.	5.6	22
135	Controllable synthesis of ultrasmall CuInSe₂ quantum dots for photovoltaic application. RSC Advances, 2014, 4, 33855-33860.	3.6	21
136	Formation of Cyclic Carbonates from CO₂ and Epoxides Catalyzed by a Cobaltâ€Coordinated Conjugated Microporous Polymer. ChemCatChem, 2017, 9, 2584-2587.	3.7	21
137	Rhodium(<scp>iii</scp>)-catalyzed asymmetric [4+1] spiroannulations of O-pivaloyl oximes with Î±-diazo compounds. Chemical Communications, 2021, 57, 8268-8271.	4.1	21
138	Physicochemical, self-assembly and field-effect transistor properties of anti- and syn- thienoacene isomers. Journal of Materials Chemistry, 2011, 21, 11335.	6.7	18
139	Estrogenic and anti-estrogenic activities of hispolon from Phellinus lonicerinus (Bond.) Bond. et sing. FÃ¬toterapÃ¬Â¢, 2014, 95, 93-101.	2.2	18
140	Recent developments of firstâ€principles force fields. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2017, 7, e1282.	14.6	18
141	Enhancing Intersystem Crossing to Achieve Thermally Activated Delayed Fluorescence in a Water-Soluble Fluorescein Derivative with a Flexible Propenyl Group. Journal of Physical Chemistry Letters, 2020, 11, 5692-5698.	4.6	18
142	Ambient hydrogenation of carbon dioxide into liquid fuel by a heterogeneous synergetic dual single-atom catalyst. Cell Reports Physical Science, 2022, 3, 100705.	5.6	18
143	Tuning of Delicate Hostâ€“Guest Interactions in Hydrated MILâ€53 and Functional Variants for Furfural Capture from Aqueous Solution. Angewandte Chemie - International Edition, 2021, 60, 1629-1634.	13.8	17
144	Bifunctional poly(ionic liquid) catalyst with dual-active-center for CO2 conversion: Synergistic effect of triazine and imidazolium motifs. Journal of CO2 Utilization, 2021, 54, 101778.	6.8	17

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145	Induced-fit docking and binding free energy calculation on furostanol saponins from Tupistra chinensis as epidermal growth factor receptor inhibitors. Medicinal Chemistry Research, 2013, 22, 4970-4979.	2.4	16
146	Enhanced photovoltaic performance of a quantum dot-sensitized solar cell using a Nb-doped TiO₂ electrode. Nanotechnology, 2013, 24, 415401.	2.6	16
147	Hydrogen and CO2 storage in high surface area covalent triazineâ€“based frameworks. Materials Today Energy, 2020, 18, 100506.	4.7	16
148	Bioinspired succinyl-Î²-cyclodextrin membranes for enhanced uranium extraction and reclamation. Environmental Science: Nano, 2020, 7, 3124-3135.	4.3	16
149	Salenâ€Based Conjugated Microporous Polymers for Efficient Oxygen Evolution Reaction. Chemistry - A European Journal, 2020, 26, 7720-7726.	3.3	16
150	A Rare Î·3 Binding Mode of Aryloxides in Iridium, Rhodium, and Ruthenium Complexes. Organometallics, 2008, 27, 6390-6392.	2.3	15
151	Terahertz response in single-walled carbon nanotube transistor: a real-time quantum dynamics simulation. Nanotechnology, 2009, 20, 505401.	2.6	15
152	Protonated Form: The Potent Form of Potassium-Competitive Acid Blockers. PLoS ONE, 2014, 9, e97688.	2.5	15
153	A DFT Exploration of Efficient Catalysts Based on Metalâ€Salen Monomers for the Cycloaddition Reaction of CO₂ to Propylene Oxide. ChemistrySelect, 2017, 2, 4533-4537.	1.5	15
154	A Porphyrinâ€Based Covalent Organic Framework for Metalâ€Free Photocatalytic Aerobic Oxidative Coupling of Amines. Chemistry - A European Journal, 2021, 27, 14390-14395.	3.3	15
155	A Dâ€“Ïâ€“Aâ€“Ïâ€“A type dye for highly efficient dye-sensitized solar cells. RSC Advances, 2015, 5, 37574-37580.	3.6	13
156	CO₂ Fixation into Cyclic Carbonates by a Znâ€Salen Based Conjugated Microporous Polymer. ChemistrySelect, 2020, 5, 10516-10520.	1.5	13
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