Ruqiang Zou

List of Publications by Citations

341 papers	22,782 citations	76 h-index	142 g-index
367 ext. papers	27,868 ext. citations	10.7 avg, IF	7.72 L-index

#	Paper	IF	Citations
341	Metal–organic frameworks and their derived nanostructures for electrochemical energy storage and conversion. *Energy and Environmental Science*, **2015**, 8, 1837-1866	35.4	1246
340	Earth-Abundant Nanomaterials for Oxygen Reduction. *Angewandte Chemie - International Edition*, **2016**, 55, 2650-76	16.4	760
339	Metal-Organic Frameworks for Energy Applications. *CheM*, **2017**, 2, 52-80	16.2	737
338	Covalent Organic Frameworks for CO2 Capture. *Advanced Materials*, **2016**, 28, 2855-73	24	644
337	A metal–organic framework route to in situ encapsulation of Co@Co3O4@C core@bishell nanoparticles into a highly ordered porous carbon matrix for oxygen reduction. *Energy and Environmental Science*, **2015**, 8, 568-576	35.4	511
336	Metal-Organic Framework-Based Nanomaterials for Electrocatalysis. *Advanced Energy Materials*, **2016**, 6, 1600423	21.8	444
335	A Triazole-Containing Metal-Organic Framework as a Highly Effective and Substrate Size-Dependent Catalyst for CO2 Conversion. *Journal of the American Chemical Society*, **2016**, 138, 2142-5	16.4	415
334	Pristine Metal-Organic Frameworks and their Composites for Energy Storage and Conversion. *Advanced Materials*, **2018**, 30, e1702891	24	399
333	Well-defined carbon polyhedrons prepared from nano metal–organic frameworks for oxygen reduction. *Journal of Materials Chemistry A*, **2014**, 2, 11606-11613	13	384
332	Metal-Organic Framework-Derived Honeycomb-Like Open Porous Nanostructures as Precious-Metal-Free Catalysts for Highly Efficient Oxygen Electroreduction. *Advanced Materials*, **2016**, 28, 6391-8	24	354
331	Heterogeneous Catalysis in Zeolites, Mesoporous Silica, and Metal-Organic Frameworks. *Advanced Materials*, **2017**, 29, 1701139	24	350
330	Metal-organic framework-derived materials for electrochemical energy applications. *EnergyChem*, **2019**, 1, 100001	36.9	333
329	Atomically Dispersed Metal Sites in MOF-Based Materials for Electrocatalytic and Photocatalytic Energy Conversion. *Angewandte Chemie - International Edition*, **2018**, 57, 9604-9633	16.4	324
328	Superionic conductivity in lithium-rich anti-perovskites. *Journal of the American Chemical Society*, **2012**, 134, 15042-7	16.4	322
327	Probing the Lewis acid sites and CO catalytic oxidation activity of the porous metal-organic polymer [Cu(5-methylisophthalate)]. *Journal of the American Chemical Society*, **2007**, 129, 8402-3	16.4	309
326	Metal-Organic Framework-Based Catalysts with Single Metal Sites. *Chemical Reviews*, **2020**, 120, 12089-12174	60.1	291
325	High-Performance Energy Storage and Conversion Materials Derived from a Single Metal-Organic Framework/Graphene Aerogel Composite. *Nano Letters*, **2017**, 17, 2788-2795	11.5	289

324	Facile Synthesis of Ultrasmall CoS2 Nanoparticles within Thin N-Doped Porous Carbon Shell for High Performance Lithium-Ion Batteries. *Small*, **2015**, 11, 2511-7	11	285
323	Electro- and photodriven phase change composites based on wax-infiltrated carbon nanotube sponges. *ACS Nano*, **2012**, 6, 10884-92	16.7	280
322	Nanoconfined phase change materials for thermal energy applications. *Energy and Environmental Science*, **2018**, 11, 1392-1424	35.4	278
321	Hydrogen adsorption in a highly stable porous rare-earth metal-organic framework: sorption properties and neutron diffraction studies. *Journal of the American Chemical Society*, **2008**, 130, 9626-7	16.4	278
320	A Universal Strategy for Hollow Metal Oxide Nanoparticles Encapsulated into B/N Co-Doped Graphitic Nanotubes as High-Performance Lithium-Ion Battery Anodes. *Advanced Materials*, **2018**, 30, 1705441	24	276
319	Electrochemical nitrogen fixation and utilization: theories, advanced catalyst materials and system design. *Chemical Society Reviews*, **2019**, 48, 5658-5716	58.5	268
318	Metal-Organic Frameworks for Batteries. *Joule*, **2018**, 2, 2235-2259	27.8	268
317	Nickel-based pillared MOFs for high-performance supercapacitors: Design, synthesis and stability study. *Nano Energy*, **2016**, 26, 66-73	17.1	238
316	Metal□Organic Framework Based Catalysts for Hydrogen Evolution. *Advanced Energy Materials*, **2018**, 8, 1801193	21.8	233
315	Metal□Organic Frameworks Derived Cobalt Phosphide Architecture Encapsulated into B/N Co-Doped Graphene Nanotubes for All pH Value Electrochemical Hydrogen Evolution. *Advanced Energy Materials*, **2017**, 7, 1601671	21.8	230
314	Pressure-Induced Phase Transformation, Reversible Amorphization, and Anomalous Visible Light Response in Organolead Bromide Perovskite. *Journal of the American Chemical Society*, **2015**, 137, 11144-9	16.4	226
313	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metal□Organic Framework Composite for Extremely Efficient Electrocatalysis. *ACS Energy Letters*, **2017**, 2, 504-511	20.1	223
312	Covalent organic frameworks formed with two types of covalent bonds based on orthogonal reactions. *Journal of the American Chemical Society*, **2015**, 137, 1020-3	16.4	212
311	MOF-derived □NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 4003-4012	13	178
310	Titanium-based metal□organic frameworks for photocatalytic applications. *Coordination Chemistry Reviews*, **2018**, 359, 80-101	23.2	163
309	Puffing Up Energetic Metal-Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. *Angewandte Chemie - International Edition*, **2019**, 58, 1975-1979	16.4	162
308	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 9965-8	16.4	155
307	Metal-organic framework-based materials for hybrid supercapacitor application. *Coordination Chemistry Reviews*, **2020**, 404, 213093	23.2	155

306	Metal Organic Framework-Based Materials for Energy Conversion and Storage. *ACS Energy Letters*, **2020**, 5, 520-532	20.1	149
305	Ultrafast Sodium/Potassium-Ion Intercalation into Hierarchically Porous Thin Carbon Shells. *Advanced Materials*, **2019**, 31, e1805430	24	148
304	A High-Capacity O2-Type Li-Rich Cathode Material with a Single-Layer Li MnO Superstructure. *Advanced Materials*, **2018**, 30, e1707255	24	146
303	Thermal expansion and structural distortion of perovskite data for NaMgF3 perovskite. Part I. *Physics of the Earth and Planetary Interiors*, **1993**, 76, 1-16	2.3	140
302	Storage and separation applications of nanoporous metal organic frameworks. *CrystEngComm*, **2010**, 12, 1337-1353	3.3	139
301	Single-Atom Iron Catalysts on Overhang-Eave Carbon Cages for High-Performance Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2020**, 59, 7384-7389	16.4	134
300	Enhanced Structural Stability and Photo Responsiveness of CH NH SnI Perovskite via Pressure-Induced Amorphization and Recrystallization. *Advanced Materials*, **2016**, 28, 8663-8668	24	134
299	A 3D Trilayered CNT/MoSe2/C Heterostructure with an Expanded MoSe2 Interlayer Spacing for an Efficient Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1900567	21.8	132
298	Functionalized Bimetallic Hydroxides Derived from Metal Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. *ACS Energy Letters*, **2017**, 2, 1263-1269	20.1	128
297	Metal-organic frameworks and their derivatives as bifunctional electrocatalysts. *Coordination Chemistry Reviews*, **2018**, 376, 430-448	23.2	125
296	Hierarchical Cobalt Phosphide Hollow Nanocages toward Electrocatalytic Ammonia Synthesis under Ambient Pressure and Room Temperature. *Small Methods*, **2018**, 2, 1800204	12.8	124
295	Highly exposed ruthenium-based electrocatalysts from bimetallic metal-organic frameworks for overall water splitting. *Nano Energy*, **2019**, 58, 1-10	17.1	122
294	Antiperovskite LiOCl Superionic Conductor Films for Solid-State Li-Ion Batteries. *Advanced Science*, **2016**, 3, 1500359	13.6	120
293	Facile preparation of hierarchically porous carbons from metal-organic gels and their application in energy storage. *Scientific Reports*, **2013**, 3, 1935	4.9	119
292	Designing Advanced Catalysts for Energy Conversion Based on Urea Oxidation Reaction. *Small*, **2020**, 16, e1906133	11	118
291	Tailoring carbon nanotube density for modulating electro-to-heat conversion in phase change composites. *Nano Letters*, **2013**, 13, 4028-35	11.5	112
290	Functional zeolitic-imidazolate-framework-templated porous carbon materials for CO2 capture and enhanced capacitors. *Chemistry - an Asian Journal*, **2013**, 8, 1879-85	4.5	110
289	A catalyst-free synthesis of B, N co-doped graphene nanostructures with tunable dimensions as highly efficient metal free dual electrocatalysts. *Journal of Materials Chemistry A*, **2016**, 4, 16469-16475	13	109

288	Nanoconfinement of phase change materials within carbon aerogels: phase transition behaviours and photo-to-thermal energy storage. *Journal of Materials Chemistry A*, **2014**, 2, 19963-19968	13	108
287	Highly dispersed Co-based Fischer□Tropsch synthesis catalysts from metal□organic frameworks. *Journal of Materials Chemistry A*, **2017**, 5, 8081-8086	13	106
286	Novel eclipsed 2D cadmium(II) coordination polymers with open-channel structure constructed from terephthalate and 3-(2-pyridyl)pyrazole: crystal structures, emission properties, and inclusion of guest molecules. *Inorganic Chemistry*, **2004**, 43, 5382-6	5.1	106
285	Nanostructured Electrode Materials Derived from Metal-Organic Framework Xerogels for High-Energy-Density Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2016**, 8, 2148-57	9.5	105
284	Recent advances in confining metal-based nanoparticles into carbon nanotubes for electrochemical energy conversion and storage devices. *Energy and Environmental Science*, **2019**, 12, 2924-2956	35.4	104
283	Polyurethane-based flexible and conductive phase change composites for energy conversion and storage. *Energy Storage Materials*, **2019**, 20, 401-409	19.4	99
282	Ab initio study of the stabilities of and mechanism of superionic transport in lithium-rich antiperovskites. *Physical Review B*, **2013**, 87,	3.3	98
281	Controllable synthesis of core□shell Co@CoO nanocomposites with a superior performance as an anode material for lithium-ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 18279		96
280	Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO2 Conversion. *Small*, **2016**, 12, 2334-43	11	96
279	Li-rich anti-perovskite Li3OCl films with enhanced ionic conductivity. *Chemical Communications*, **2014**, 50, 11520-2	5.8	95
278	Engineering the Thermal Conductivity of Functional Phase-Change Materials for Heat Energy Conversion, Storage, and Utilization. *Advanced Functional Materials*, **2020**, 30, 1904228	15.6	94
277	Selective H2S/CO2 Separation by Metal□Organic Frameworks Based on Chemical-Physical Adsorption. *Journal of Physical Chemistry C*, **2017**, 121, 13249-13255	3.8	91
276	Critical phenomena and phase transition of perovskite □data for NaMgF3 perovskite. Part II. *Physics of the Earth and Planetary Interiors*, **1993**, 76, 17-34	2.3	90
275	Alkylated phase change composites for thermal energy storage based on surface-modified silica aerogels. *Journal of Materials Chemistry A*, **2015**, 3, 1935-1940	13	87
274	Macrocycle-based metal-organic frameworks. *Coordination Chemistry Reviews*, **2015**, 292, 74-90	23.2	85
273	Fabrication of Oxygen-Vacancy Abundant NiMn-Layered Double Hydroxides for Ultrahigh Capacity Supercapacitors. *Advanced Functional Materials*, **2020**, 30, 1908223	15.6	85
272	Clicked Isoreticular Metal-Organic Frameworks and Their High Performance in the Selective Capture and Separation of Large Organic Molecules. *Angewandte Chemie - International Edition*, **2015**, 54, 12748-52	16.4	85
271	The performance evaluation of shape-stabilized phase change materials in building applications using energy saving index. *Applied Energy*, **2014**, 113, 1118-1126	10.7	82

270	Synergistic Effect of Co-Ni Hybrid Phosphide Nanocages for Ultrahigh Capacity Fast Energy Storage. *Advanced Science*, **2019**, 6, 1802005	13.6	80
269	Experimental visualization of lithium conduction pathways in garnet-type Li7La3Zr2O12. *Chemical Communications*, **2012**, 48, 9840-2	5.8	79
268	Metal□rganic framework-derived mesoporous carbon nanoframes embedded with atomically dispersed Fe□N active sites for efficient bifunctional oxygen and carbon dioxide electroreduction. *Applied Catalysis B: Environmental*, **2020**, 267, 118720	21.8	78
267	Platinfreie Nanomaterialien f□ die Sauerstoffreduktion. *Angewandte Chemie*, **2016**, 128, 2698-2726	3.6	78
266	Electro/photo to heat conversion system based on polyurethane embedded graphite foam. *Applied Energy*, **2015**, 152, 183-188	10.7	77
265	A pore-expansion strategy to synthesize hierarchically porous carbon derived from metal-organic framework for enhanced oxygen reduction. *Carbon*, **2017**, 114, 284-290	10.4	75
264	A functional form-stable phase change composite with high efficiency electro-to-thermal energy conversion. *Applied Energy*, **2017**, 190, 474-480	10.7	73
263	Encapsulating Trogtalite CoSe2 Nanobuds into BCN Nanotubes as High Storage Capacity Sodium Ion Battery Anodes. *Advanced Energy Materials*, **2019**, 9, 1901778	21.8	72
262	Metal□rganic frameworks for solid-state electrolytes. *Energy and Environmental Science*, **2020**, 13, 2386-2403	33.4	71
261	Promising oxonitridosilicate phosphor host Sr3Si2O4N2: synthesis, structure, and luminescence properties activated by Eu2+ and Ce3+/Li+ for pc-LEDs. *Inorganic Chemistry*, **2012**, 51, 3540-7	5.1	70
260	Synergistic Effect of Mesoporous Co3 O4 Nanowires Confined by N-Doped Graphene Aerogel for Enhanced Lithium Storage. *Small*, **2016**, 12, 3849-60	11	70
259	Structural manipulation approaches towards enhanced sodium ionic conductivity in Na-rich antiperovskites. *Journal of Power Sources*, **2015**, 293, 735-740	8.9	69
258	Tailoring biomass-derived carbon for high-performance supercapacitors from controllably cultivated algae microspheres. *Journal of Materials Chemistry A*, **2018**, 6, 1523-1530	13	69
257	Hierarchical heteroaggregation of binary metal-organic gels with tunable porosity and mixed valence metal sites for removal of dyes in water. *Scientific Reports*, **2015**, 5, 10556	4.9	67
256	Fabrication of Hollow CoP/TiO Heterostructures for Enhanced Oxygen Evolution Reaction. *Small*, **2020**, 16, e1905075	11	67
255	Experimental and Theoretical Investigation of Mesoporous MnO2 Nanosheets with Oxygen Vacancies for High-Efficiency Catalytic DeNOx. *ACS Catalysis*, **2018**, 8, 3865-3874	13.1	66
254	Selective adsorption of CO2/CH4 and CO2/N2 within a charged metal□rganic framework. *Journal of Materials Chemistry A*, **2014**, 2, 17771-17778	13	66
253	A porous metal-organic replica of □PbO2 for capture of nerve agent surrogate. *Journal of the American Chemical Society*, **2010**, 132, 17996-9	16.4	65

252	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 11048-11067	16.4	63
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250	Covalent organic framework-based materials for energy applications. *Energy and Environmental Science*, **2021**, 14, 688-728	35.4	62
249	Hierarchical Cobalt Hydroxide and B/N Co-Doped Graphene Nanohybrids Derived from Metal-Organic Frameworks for High Energy Density Asymmetric Supercapacitors. *Scientific Reports*, **2017**, 7, 43084	4.9	61
248	The Hardest Superconducting Metal Nitride. *Scientific Reports*, **2015**, 5, 13733	4.9	61
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246	Metal-organic frameworks and their derivatives for metal-air batteries. *Energy Storage Materials*, **2019**, 23, 757-771	19.4	60
245	Fabrication of nitrogen and sulfur co-doped hollow cellular carbon nanocapsules as efficient electrode materials for energy storage. *Energy Storage Materials*, **2018**, 13, 72-79	19.4	60
244	Microporous coordination polymers of cobalt(II) and manganese(II) 2,6-naphthalenedicarboxylate: preparations, structures and gas sorptive and magnetic properties. *Microporous and Mesoporous Materials*, **2008**, 111, 470-477	5.3	59
243	Emergent superconductivity in an iron-based honeycomb lattice initiated by pressure-driven spin-crossover. *Nature Communications*, **2018**, 9, 1914	17.4	59
242	Reaction mechanism studies towards effective fabrication of lithium-rich anti-perovskites Li3OX (X= Cl, Br). *Solid State Ionics*, **2016**, 284, 14-19	3.3	58
241	Advanced Transition Metal-Based OER Electrocatalysts: Current Status, Opportunities, and Challenges. *Small*, **2021**, 17, e2100129	11	58
240	"One-for-All" Strategy in Fast Energy Storage: Production of Pillared MOF Nanorod-Templated Positive/Negative Electrodes for the Application of High-Performance Hybrid Supercapacitor. *Small* , **2018**, 14, e1800285	11	57
239	Supported sub-5nm PtFe intermetallic compounds for electrocatalytic application. *Journal of Materials Chemistry*, **2012**, 22, 6047		57
238	Improved hydrogen release from ammonia-borane with ZIF-8. *Inorganic Chemistry*, **2012**, 51, 2728-30	5.1	56
237	"Click"-extended nitrogen-rich metal-organic frameworks and their high performance in CO2-selective capture. *Chemical Communications*, **2014**, 50, 4683-5	5.8	55
236	Inlaying Ultrathin Bimetallic MOF Nanosheets into 3D Ordered Macroporous Hydroxide for Superior Electrocatalytic Oxygen Evolution. *Small*, **2019**, 15, e1902218	11	54
235	Tailoring CoO/ZnO nanorod and nanotube arrays for Li-ion battery anode materials. *Journal of Materials Chemistry A*, **2013**, 1, 9654	13	54

234	Structure Distortion Induced Monoclinic Nickel Hexacyanoferrate as High-Performance Cathode for Na-Ion Batteries. *Advanced Energy Materials*, **2019**, 9, 1803158	21.8	54
233	Inhibition of Manganese Dissolution in Mn2O3 Cathode with Controllable Ni2+ Incorporation for High-Performance Zinc Ion Battery. *Advanced Functional Materials*, **2021**, 31, 2009412	15.6	54
232	Single-Site Palladium(II) Catalyst for Oxidative Heck Reaction: Catalytic Performance and Kinetic Investigations. *ACS Catalysis*, **2015**, 5, 3752-3759	13.1	53
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230	Fe N/S/N Codecorated Hierarchical Porous Carbon Nanosheets for Trifunctional Electrocatalysis. *Small*, **2018**, 14, e1803500	11	53
229	Tuning the Framework Formation of Silver(I) Complexes with Flexible Bis(benzothiazol-2-ylsulfanyl)alkanes by Varying the Ligand Spacers and Counteranions. *Crystal Growth and Design*, **2004**, 4, 79-84	3.5	52
228	Tuning the flexibility and thermal storage capacity of solid□olid phase change materials towards wearable applications. *Journal of Materials Chemistry A*, **2020**, 8, 20133-20140	13	51
227	Pressure-Driven Cooperative Spin-Crossover, Large-Volume Collapse, and Semiconductor-to-Metal Transition in Manganese(II) Honeycomb Lattices. *Journal of the American Chemical Society*, **2016**, 138, 15751-15757	16.4	50
226	Ultrastrong Boron Frameworks in ZrB : A Highway for Electron Conducting. *Advanced Materials*, **2017**, 29, 1604003	24	50
225	Fluorine-tuned single-atom catalysts with dense surface Ni-N4 sites on ultrathin carbon nanosheets for efficient CO2 electroreduction. *Applied Catalysis B: Environmental*, **2021**, 283, 119591	21.8	50
224	Atomar dispergierte Metallzentren in Metall-organischen Ger□tstrukturen f□ die elektrokatalytische und photokatalytische Energieumwandlung. *Angewandte Chemie*, **2018**, 130, 9750-9780	3.6	49
223	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. *Nature Communications*, **2014**, 5, 4128	17.4	49
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221	Cubic Metal□rganic Polyhedrons of Nickel(II) Imidazoledicarboxylate Depositing Protons or Alkali Metal Ions. *Crystal Growth and Design*, **2008**, 8, 2458-2463	3.5	49
220	Synthesis of Microporous Nitrogen-Rich Covalent-Organic Framework and Its Application in CO2 Capture. *Chinese Journal of Chemistry*, **2015**, 33, 90-94	4.9	48
219	Sodium Ion Transport Mechanisms in Antiperovskite Electrolytes Na3OBr and Na4OI2: An in Situ Neutron Diffraction Study. *Inorganic Chemistry*, **2016**, 55, 5993-8	5.1	48
218	Pore size-controlled gases and alcohols separation within ultramicroporous homochiral lanthanide□rganic frameworks. *Journal of Materials Chemistry*, **2012**, 22, 7813		48
217	Observation of helical water chains reversibly inlayed in magnesium imidazole-4,5-dicarboxylate. *CrystEngComm*, **2008**, 10, 1175	3.3	48

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215	Metal–organic coordination architectures with 3-pyridin-3-yl-benzoate: crystal structures, fluorescent emission and magnetic properties. *CrystEngComm*, **2008**, 10, 605	3.3	47
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212	Kinetic-Controlled Formation of Bimetallic Metal-Organic Framework Hybrid Structures. *Small*, **2017**, 13, 1702049	11	46
211	Fabricating hierarchically porous and Fe3C-embeded nitrogen-rich carbon nanofibers as exceptional electocatalysts for oxygen reduction. *Carbon*, **2019**, 142, 115-122	10.4	46
210	Single-Atom Iron Catalysts on Overhang-Eave Carbon Cages for High-Performance Oxygen Reduction Reaction. *Angewandte Chemie*, **2020**, 132, 7454-7459	3.6	45
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208	Controllable thermal rectification realized in binary phase change composites. *Scientific Reports*, **2015**, 5, 8884	4.9	43
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206	Engineering atomically dispersed metal sites for electrocatalytic energy conversion. *Nano Energy*, **2019**, 64, 103917	17.1	41
205	Hydrothermal Synthesis of CeO2 Nanoparticles on Activated Carbon with Enhanced Desulfurization Activity. *Energy & Fuels*, **2012**, 26, 5879-5886	4.1	41
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203	Puffing Up Energetic Metal–Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. *Angewandte Chemie*, **2019**, 131, 1997-2001	3.6	41
202	Ultrasensitive sorption behavior of isostructural lanthanide–organic frameworks induced by lanthanide contraction. *Journal of Materials Chemistry*, **2012**, 22, 21076		40
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200	Vanadium Diboride (VB) Synthesized at High Pressure: Elastic, Mechanical, Electronic, and Magnetic Properties and Thermal Stability. *Inorganic Chemistry*, **2018**, 57, 1096-1105	5.1	39
199	Pristine Hollow Metal-Organic Frameworks: Design, Synthesis and Application. *Angewandte Chemie - International Edition*, **2021**, 60, 17314-17336	16.4	39

198	Synthesis, Hardness, and Electronic Properties of Stoichiometric VN and CrN. *Crystal Growth and Design*, **2016**, 16, 351-358	3.5	38
197	Reconstruction of Covalent Organic Frameworks by Dynamic Equilibrium. *Chemistry - A European Journal*, **2015**, 21, 16818-22	4.8	38
196	Novel Silver(I) Coordination Polymers with a Series of Bis(arylthio)ether Ligands Bearing a trans-2-Butene Backbone. *Crystal Growth and Design*, **2005**, 5, 215-222	3.5	38
195	Electrolyte solutions design for lithium-sulfur batteries. *Joule*, **2021**, 5, 2323-2364	27.8	38
194	Fabrication of Co3O4 nanoparticles in thin porous carbon shells from metal□organic frameworks for enhanced electrochemical performance. *RSC Advances*, **2017**, 7, 13340-13346	3.7	36
193	Microporous polymelamine network for highly selective CO2 adsorption. *Polymer*, **2013**, 54, 596-600	3.9	36
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189	Flame-retardancy and thermal properties of a novel phosphorus-modified PCM for thermal energy storage. *Chemical Engineering Journal*, **2020**, 380, 122500	14.7	34
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