

Joseph T Hupp

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660

papers

84,241

citations

142

h-index

271

g-index

688

ext. papers

91,928

ext. citations

9.8

avg, IF

8.34

L-index

#	Paper	IF	Citations
660	Metal-organic framework materials as catalysts. <i>Chemical Society Reviews</i> , 2009 , 38, 1450-9	58.5	6514
659	Metal-organic framework materials as chemical sensors. <i>Chemical Reviews</i> , 2012 , 112, 1105-25	68.1	5438
658	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , 2012 , 4, 310-6	17.6	1549
657	2D Homologous Perovskites as Light-Absorbing Materials for Solar Cell Applications. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7843-50	16.4	1464
656	De novo synthesis of a metal-organic framework material featuring ultrahigh surface area and gas storage capacities. <i>Nature Chemistry</i> , 2010 , 2, 944-8	17.6	1350
655	Metal-organic framework materials with ultrahigh surface areas: is the sky the limit?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15016-21	16.4	1210
654	Ruddlesden-Popper Hybrid Lead Iodide Perovskite 2D Homologous Semiconductors. <i>Chemistry of Materials</i> , 2016 , 28, 2852-2867	9.6	1166
653	Rational design, synthesis, purification, and activation of metal-organic framework materials. <i>Accounts of Chemical Research</i> , 2010 , 43, 1166-75	24.3	1127
652	Chemical, thermal and mechanical stabilities of metal-organic frameworks. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1026
651	A facile synthesis of UiO-66, UiO-67 and their derivatives. <i>Chemical Communications</i> , 2013 , 49, 9449-51	5.8	1013
650	Large-scale screening of hypothetical metal-organic frameworks. <i>Nature Chemistry</i> , 2011 , 4, 83-9	17.6	882
649	Metal-organic frameworks as sensors: a ZIF-8 based Fabry-Pérot device as a selective sensor for chemical vapors and gases. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7832-3	16.4	875
648	A metal-organic framework material that functions as an enantioselective catalyst for olefin epoxidation. <i>Chemical Communications</i> , 2006 , 2563-5	5.8	869
647	Gold Nanoparticle-Based Sensing of Spectroscopically Silent Heavy Metal Ions. <i>Nano Letters</i> , 2001 , 1, 165-167	11.5	800
646	Methane storage in metal-organic frameworks: current records, surprise findings, and challenges. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11887-94	16.4	701
645	Porous Organic Polymers in Catalysis: Opportunities and Challenges. <i>ACS Catalysis</i> , 2011 , 1, 819-835	13.1	699
644	ZnO nanotube based dye-sensitized solar cells. <i>Nano Letters</i> , 2007 , 7, 2183-7	11.5	682

643	Vapor-phase metalation by atomic layer deposition in a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10294-7	16.4	659
642	Destruction of chemical warfare agents using metal-organic frameworks. <i>Nature Materials</i> , 2015 , 14, 512-6	27	647
641	Light-harvesting metal-organic frameworks (MOFs): efficient strut-to-strut energy transfer in bipyridyl and porphyrin-based MOFs. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15858-61	16.4	622
640	Beyond post-synthesis modification: evolution of metal-organic frameworks via building block replacement. <i>Chemical Society Reviews</i> , 2014 , 43, 5896-912	58.5	621
639	Advancing beyond current generation dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2008 , 1, 66	35.4	619
638	Chemical reduction of metal-organic framework materials as a method to enhance gas uptake and binding. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9604-5	16.4	566
637	Metal-organic frameworks for the removal of toxic industrial chemicals and chemical warfare agents. <i>Chemical Society Reviews</i> , 2017 , 46, 3357-3385	58.5	557
636	Separation of CO ₂ from CH ₄ using mixed-ligand metal-organic frameworks. <i>Langmuir</i> , 2008 , 24, 8592-8	4	522
635	Fe-Porphyrin-Based Metal-Organic Framework Films as High-Surface Concentration, Heterogeneous Catalysts for Electrochemical Reduction of CO ₂ . <i>ACS Catalysis</i> , 2015 , 5, 6302-6309	13.1	509
634	Synthesis and Optical Properties of Branched Gold Nanocrystals. <i>Nano Letters</i> , 2004 , 4, 327-330	11.5	491
633	A catalytically active, permanently microporous MOF with metalloporphyrin struts. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4204-5	16.4	490
632	Postsynthetic Tuning of Metal-Organic Frameworks for Targeted Applications. <i>Accounts of Chemical Research</i> , 2017 , 50, 805-813	24.3	488
631	Light-harvesting and ultrafast energy migration in porphyrin-based metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2013 , 135, 862-9	16.4	461
630	Microporous pillared paddle-wheel frameworks based on mixed-ligand coordination of zinc ions. <i>Inorganic Chemistry</i> , 2005 , 44, 4912-4	5.1	422
629	Supercritical processing as a route to high internal surface areas and permanent microporosity in metal-organic framework materials. <i>Journal of the American Chemical Society</i> , 2009 , 131, 458-60	16.4	413
628	A hafnium-based metal-organic framework as an efficient and multifunctional catalyst for facile CO ₂ fixation and regioselective and enantioselective epoxide activation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15861-4	16.4	408
627	Distance dependence of plasmon-enhanced photocurrent in dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8407-9	16.4	405
626	Luminescent sensor molecules based on coordinated metals: a review of recent developments. <i>Coordination Chemistry Reviews</i> , 2000 , 205, 201-228	23.2	379

625	Active-site-accessible, porphyrinic metal-organic framework materials. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5652-5	16.4	378
624	Perfluoroalkane functionalization of NU-1000 via solvent-assisted ligand incorporation: synthesis and CO ₂ adsorption studies. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16801-4	16.4	370
623	High propene/propane selectivity in isostructural metal-organic frameworks with high densities of open metal sites. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1857-60	16.4	348
622	Enhancement of CO ₂ /N ₂ selectivity in a metal-organic framework by cavity modification. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2131		346
621	Metal-organic framework materials for light-harvesting and energy transfer. <i>Chemical Communications</i> , 2015 , 51, 3501-10	5.8	342
620	Artificial Enzymes Formed through Directed Assembly of Molecular Square Encapsulated Epoxidation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4239-4242	16.4	342
619	Best Practices for the Synthesis, Activation, and Characterization of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2017 , 29, 26-39	9.6	341
618	Coordination-chemistry control of proton conductivity in the iconic metal-organic framework material HKUST-1. <i>Journal of the American Chemical Society</i> , 2012 , 134, 51-4	16.4	328
617	Control over catenation in metal-organic frameworks via rational design of the organic building block. <i>Journal of the American Chemical Society</i> , 2010 , 132, 950-2	16.4	321
616	Carborane-based metal-organic frameworks as highly selective sorbents for CO ₂ over methane. <i>Chemical Communications</i> , 2008 , 4135-7	5.8	319
615	Metal-adeninate vertices for the construction of an exceptionally porous metal-organic framework. <i>Nature Communications</i> , 2012 , 3, 604	17.4	312
614	Simple and compelling biomimetic metal-organic framework catalyst for the degradation of nerve agent simulants. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 497-501	16.4	306
613	Opening ZIF-8: a catalytically active zeolitic imidazolate framework of sodalite topology with unsubstituted linkers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18790-6	16.4	303
612	Energy transfer from quantum dots to metal-organic frameworks for enhanced light harvesting. <i>Journal of the American Chemical Society</i> , 2013 , 135, 955-8	16.4	294
611	Supramolecular Coordination Chemistry and Functional Microporous Molecular Materials. <i>Chemistry of Materials</i> , 2001 , 13, 3113-3125	9.6	294
610	Structure-property relationships of porous materials for carbon dioxide separation and capture. <i>Energy and Environmental Science</i> , 2012 , 5, 9849	35.4	290
609	Post-synthesis alkoxide formation within metal-organic framework materials: a strategy for incorporating highly coordinatively unsaturated metal ions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3866-8	16.4	281
608	Solvent-assisted linker exchange: an alternative to the de novo synthesis of unattainable metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4530-40	16.4	280

607	Metal-organic framework thin film for enhanced localized surface plasmon resonance gas sensing. <i>Analytical Chemistry</i> , 2010 , 82, 8042-6	7.8	279
606	Instantaneous hydrolysis of nerve-agent simulants with a six-connected zirconium-based metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6795-9	16.4	277
605	Luminescent transition-metal-containing cyclophanes (â€molecular squaresâ€) covalent self-assembly, host-guest studies and preliminary nanoporous materials applications. <i>Coordination Chemistry Reviews</i> , 1998 , 171, 221-243	23.2	276
604	Thin Films and Solar Cells Based on Semiconducting Two-Dimensional Ruddlesdenâ€Popper (CH ₃ (CH ₂) ₃ NH ₃) ₂ (CH ₃ NH ₃) _n SnI _{3n+1} Perovskites. <i>ACS Energy Letters</i> , 2017 , 2, 982-990	20.1	274
603	High efficiency adsorption and removal of selenate and selenite from water using metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7488-94	16.4	265
602	Urea metal-organic frameworks as effective and size-selective hydrogen-bond catalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3334-7	16.4	260
601	Optical Properties of Metal Nanoshells. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1224-1229	3.4	259
600	Synthesis, Properties, and Gas Separation Studies of a Robust Diimide-Based Microporous Organic Polymer. <i>Chemistry of Materials</i> , 2009 , 21, 3033-3035	9.6	252
599	Ultrahigh surface area zirconium MOFs and insights into the applicability of the BET theory. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3585-91	16.4	249
598	Synthesis and hydrogen sorption properties of carborane based metal-organic framework materials. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12680-1	16.4	244
597	New architectures for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2008 , 14, 4458-67	4.8	242
596	Synthesis and optical properties of anisotropic metal nanoparticles. <i>Journal of Fluorescence</i> , 2004 , 14, 331-41	2.4	242
595	Prospects for nanoporous metal-organic materials in advanced separations processes. <i>AIChE Journal</i> , 2004 , 50, 1090-1095	3.6	241
594	Encapsulation of a Nerve Agent Detoxifying Enzyme by a Mesoporous Zirconium Metal-Organic Framework Engenders Thermal and Long-Term Stability. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8052-5	16.4	240
593	Electron transport in dye-sensitized solar cells based on ZnO nanotubes: evidence for highly efficient charge collection and exceptionally rapid dynamics. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 4015-21	2.8	240
592	Remnant PbI ₂ , an unforeseen necessity in high-efficiency hybrid perovskite-based solar cells?â€). <i>APL Materials</i> , 2014 , 2, 091101	5.7	238
591	Luminescent Rhenium/Palladium Square Complex Exhibiting Excited State Intramolecular Electron Transfer Reactivity and Molecular Anion Sensing Characteristics. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11813-11814	16.4	235
590	Transmetalation: routes to metal exchange within metalâ€organic frameworks. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5453	13	234

- 589 Catalytic Zirconium/Hafnium-Based Metal-Organic Frameworks. *ACS Catalysis*, **2017**, 7, 997-1014 13.1 233
- 588 Sintering-Resistant Single-Site Nickel Catalyst Supported by Metal-Organic Framework. *Journal of the American Chemical Society*, **2016**, 138, 1977-82 16.4 233
- 587 Are Zr-based MOFs water stable? Linker hydrolysis vs. capillary-force-driven channel collapse. *Chemical Communications*, **2014**, 50, 8944-6 5.8 223
- 586 Layer-by-layer fabrication of oriented porous thin films based on porphyrin-containing metal-organic frameworks. *Journal of the American Chemical Society*, **2013**, 135, 15698-701 16.4 221
- 585 Directed growth of electroactive metal-organic framework thin films using electrophoretic deposition. *Advanced Materials*, **2014**, 26, 6295-300 24 219
- 584 Post-synthesis modification of a metal-organic framework to form metallosalen-containing MOF materials. *Journal of the American Chemical Society*, **2011**, 133, 13252-5 16.4 219
- 583 Room-Temperature Synthesis of UiO-66 and Thermal Modulation of Densities of Defect Sites. *Chemistry of Materials*, **2017**, 29, 1357-1361 9.6 217
- 582 Temperature Treatment of Highly Porous Zirconium-Containing Metal-Organic Frameworks Extends Drug Delivery Release. *Journal of the American Chemical Society*, **2017**, 139, 7522-7532 16.4 216
- 581 Exploiting parameter space in MOFs: a 20-fold enhancement of phosphate-ester hydrolysis with UiO-66-NH. *Chemical Science*, **2015**, 6, 2286-2291 9.4 212
- 580 Kinetic separation of propene and propane in metal-organic frameworks: controlling diffusion rates in plate-shaped crystals via tuning of pore apertures and crystallite aspect ratios. *Journal of the American Chemical Society*, **2011**, 133, 5228-31 16.4 211
- 579 Incorporation of an A1/A2-difunctionalized pillar[5]arene into a metal-organic framework. *Journal of the American Chemical Society*, **2012**, 134, 17436-9 16.4 209
- 578 Selective bifunctional modification of a non-catenated metal-organic framework material via "click" chemistry. *Journal of the American Chemical Society*, **2009**, 131, 13613-5 16.4 209
- 577 Synthesis, Characterization, and Preliminary Host-Guest Binding Studies of Porphyrinic Molecular Squares Featuring fac-Tricarbonylrhenium(I) Chloro Corners. *Inorganic Chemistry*, **1997**, 36, 5422-5423 5.1 209
- 576 Toward plasmonic solar cells: protection of silver nanoparticles via atomic layer deposition of TiO₂. *Langmuir*, **2009**, 25, 2596-600 4 208
- 575 Synthesis of silver nanodisks using polystyrene mesospheres as templates. *Journal of the American Chemical Society*, **2002**, 124, 15182-3 16.4 207
- 574 Catalytic degradation of chemical warfare agents and their simulants by metal-organic frameworks. *Coordination Chemistry Reviews*, **2017**, 346, 101-111 23.2 206
- 573 Surface Modification of SnO₂ Photoelectrodes in Dye-Sensitized Solar Cells: Significant Improvements in Photovoltage via Al₂O₃ Atomic Layer Deposition. *Journal of Physical Chemistry Letters*, **2010**, 1, 1611-1615 6.4 205
- 572 Methane Oxidation to Methanol Catalyzed by Cu-Oxo Clusters Stabilized in NU-1000 Metal-Organic Framework. *Journal of the American Chemical Society*, **2017**, 139, 10294-10301 16.4 203

571	Gram-scale, high-yield synthesis of a robust metal-organic framework for storing methane and other gases. <i>Energy and Environmental Science</i> , 2013 , 6, 1158	35.4	203
570	Dye sensitized solar cells: TiO ₂ sensitization with a bodipy-porphyrin antenna system. <i>Langmuir</i> , 2010 , 26, 3760-5	4	200
569	Defining the Proton Topology of the Zr ₆ -Based Metal-Organic Framework NU-1000. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3716-23	6.4	197
568	Quadratic Nonlinear Optical Properties of N-Aryl Stilbazolium Dyes. <i>Advanced Functional Materials</i> , 2002 , 12, 110-116	15.6	197
567	Self-Assembly of Luminescent Molecular Squares Featuring Octahedral Rhenium Corners. <i>Inorganic Chemistry</i> , 1996 , 35, 4096-4097	5.1	196
566	A porous proton-relaying metal-organic framework material that accelerates electrochemical hydrogen evolution. <i>Nature Communications</i> , 2015 , 6, 8304	17.4	194
565	Evaluation of Brønsted acidity and proton topology in Zr- and Hf-based metal-organic frameworks using potentiometric acid-base titration. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1479-1485	13	194
564	Mechanochemical and solvent-free assembly of zirconium-based metal-organic frameworks. <i>Chemical Communications</i> , 2016 , 52, 2133-6	5.8	194
563	Metal-Organic Framework Thin Films Composed of Free-Standing Acicular Nanorods Exhibiting Reversible Electrochromism. <i>Chemistry of Materials</i> , 2013 , 25, 5012-5017	9.6	194
562	Scalable synthesis and post-modification of a mesoporous metal-organic framework called NU-1000. <i>Nature Protocols</i> , 2016 , 11, 149-62	18.8	192
561	Metal-organic framework nodes as nearly ideal supports for molecular catalysts: NU-1000- and UiO-66-supported iridium complexes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7391-6	16.4	192
560	Enzyme encapsulation in metal-organic frameworks for applications in catalysis. <i>CrystEngComm</i> , 2017 , 19, 4082-4091	3.3	191
559	Semiconductor-Based Interfacial Electron-Transfer Reactivity: Decoupling Kinetics from pH-Dependent Band Energetics in a Dye-Sensitized Titanium Dioxide/Aqueous Solution System. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 6867-6870		191
558	Toward solar fuels: Water splitting with sunlight and H ₂ . <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2521-2529	23.2	190
557	Energetics of the Nanocrystalline Titanium Dioxide/Aqueous Solution Interface: Approximate Conduction Band Edge Variations between H ₀ = 0 and H ₊ = +26. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 4623-4628	3.4	190
556	Rhenium-based molecular rectangles as frameworks for ligand-centered mixed valency and optical electron transfer. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12989-3001	16.4	187
555	Selective Photooxidation of a Mustard-Gas Simulant Catalyzed by a Porphyrinic Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9001-5	16.4	186
554	An interpenetrated framework material with hysteretic CO ₂ uptake. <i>Chemistry - A European Journal</i> , 2010 , 16, 276-81	4.8	186

553	Activation of metal-organic framework materials. <i>CrystEngComm</i> , 2013 , 15, 9258	3.3	185
552	Engineering ZIF-8 thin films for hybrid MOF-based devices. <i>Advanced Materials</i> , 2012 , 24, 3970-4	24	185
551	Dynamics of charge transport and recombination in ZnO nanorod array dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 4655-9	3.6	185
550	Directed assembly of transition-metal-coordinated molecular loops and squares from salen-type components. Examples of metalation-controlled structural conversion. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6314-26	16.4	185
549	Metal-Organic Framework-Based Catalysts: Chemical Fixation of CO ₂ with Epoxides Leading to Cyclic Organic Carbonates. <i>Frontiers in Energy Research</i> , 2015 , 2,	3.8	184
548	A metal-organic framework-based material for electrochemical sensing of carbon dioxide. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8277-82	16.4	181
547	Ni(III)/(IV) bis(dicarbollide) as a fast, noncorrosive redox shuttle for dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4580-2	16.4	181
546	Metal-Organic Framework Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane at Low Temperature. <i>ACS Central Science</i> , 2017 , 3, 31-38	16.8	178
545	Dual-Function Metal-Organic Framework as a Versatile Catalyst for Detoxifying Chemical Warfare Agent Simulants. <i>ACS Nano</i> , 2015 , 9, 12358-64	16.7	176
544	Vanadium-Node-Functionalized UiO-66: A Thermally Stable MOF-Supported Catalyst for the Gas-Phase Oxidative Dehydrogenation of Cyclohexene. <i>ACS Catalysis</i> , 2014 , 4, 2496-2500	13.1	174
543	An Exceptionally Stable Metal-Organic Framework Supported Molybdenum(VI) Oxide Catalyst for Cyclohexene Epoxidation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14720-14726	16.4	172
542	Designing higher surface area metal-organic frameworks: are triple bonds better than phenyls?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9860-3	16.4	170
541	Alkali metal cation effects on hydrogen uptake and binding in metal-organic frameworks. <i>Inorganic Chemistry</i> , 2008 , 47, 7936-8	5.1	167
540	Outer-Sphere Redox Couples as Shuttles in Dye-Sensitized Solar Cells. Performance Enhancement Based on Photoelectrode Modification via Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19756-19764	3.8	165
539	In silico discovery of metal-organic frameworks for precombustion CO capture using a genetic algorithm. <i>Science Advances</i> , 2016 , 2, e1600909	14.3	164
538	Versatile functionalization of the NU-1000 platform by solvent-assisted ligand incorporation. <i>Chemical Communications</i> , 2014 , 50, 1965-8	5.8	164
537	Melt-Quenched Glasses of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3484-92	16.4	161
536	Porphyrin-containing molecular squares: Design and applications. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 1710-1723	23.2	161

535	Turning on catalysis: incorporation of a hydrogen-bond-donating squaramide moiety into a Zr metal-organic framework. <i>Journal of the American Chemical Society</i> , 2015 , 137, 919-25	16.4	159
534	Computational Design of Metal-Organic Frameworks Based on Stable Zirconium Building Units for Storage and Delivery of Methane. <i>Chemistry of Materials</i> , 2014 , 26, 5632-5639	9.6	158
533	Synthesis of catalytically active porous organic polymers from metalloporphyrin building blocks. <i>Chemical Science</i> , 2011 , 2, 686	9.4	157
532	Nanosizing a Metal-Organic Framework Enzyme Carrier for Accelerating Nerve Agent Hydrolysis. <i>ACS Nano</i> , 2016 , 10, 9174-9182	16.7	157
531	Synthesis of nanocrystals of Zr-based metal-organic frameworks with csq-net: significant enhancement in the degradation of a nerve agent simulant. <i>Chemical Communications</i> , 2015 , 51, 10925-8	5.8	155
530	Photocurrent enhancement by surface plasmon resonance of silver nanoparticles in highly porous dye-sensitized solar cells. <i>Langmuir</i> , 2011 , 27, 14609-14	4	155
529	Molecular Rectangles Based on Rhenium(I) Coordination Chemistry. <i>Journal of the American Chemical Society</i> , 1998 , 120, 12982-12983	16.4	155
528	Cavity-tailored, self-sorting supramolecular catalytic boxes for selective oxidation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16828-9	16.4	154
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525	Synthesis and characterization of isostructural cadmium zeolitic imidazolate frameworks via solvent-assisted linker exchange. <i>Chemical Science</i> , 2012 , 3, 3256	9.4	148
524	Fabrication of metal-organic framework-containing silica-colloidal crystals for vapor sensing. <i>Advanced Materials</i> , 2011 , 23, 4449-52	24	148
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519	A Zn-based, pillared paddlewheel MOF containing free carboxylic acids via covalent post-synthesis elaboration. <i>Chemical Communications</i> , 2009 , 3720-2	5.8	142
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- 512 Porphyrin-based metal-organic framework thin films for electrochemical nitrite detection. *Electrochemistry Communications*, **2015**, 58, 51-56 5.1 138
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