Da-Qiang Yuan

List of Publications by Citations

409 papers	26,893 citations	85 h-index	149 g-index
427 ext. papers	30,201 ext. citations	7.7 avg, IF	7.32 L-index

#	Paper	IF	Citations
409	Potential applications of metal-organic frameworks. *Coordination Chemistry Reviews*, **2009**, 253, 3042-3066	22	1235
408	Tuning the topology and functionality of metal-organic frameworks by ligand design. *Accounts of Chemical Research*, **2011**, 44, 123-33	24.3	859
407	Metal-organic framework from an anthracene derivative containing nanoscopic cages exhibiting high methane uptake. *Journal of the American Chemical Society*, **2008**, 130, 1012-6	16.4	756
406	An isoreticular series of metal-organic frameworks with dendritic hexacarboxylate ligands and exceptionally high gas-uptake capacity. *Angewandte Chemie - International Edition*, **2010**, 49, 5357-61	16.4	622
405	Two-dimensional metal-organic framework with wide channels and responsive turn-on fluorescence for the chemical sensing of volatile organic compounds. *Journal of the American Chemical Society*, **2014**, 136, 7241-4	16.4	527
404	Highly stable porous polymer networks with exceptionally high gas-uptake capacities. *Advanced Materials*, **2011**, 23, 3723-5	24	485
403	Sulfonate-grafted porous polymer networks for preferential CO2 adsorption at low pressure. *Journal of the American Chemical Society*, **2011**, 133, 18126-9	16.4	479
402	Polyamine-tethered porous polymer networks for carbon dioxide capture from flue gas. *Angewandte Chemie - International Edition*, **2012**, 51, 7480-4	16.4	476
401	Porous Polymer Networks: Synthesis, Porosity, and Applications in Gas Storage/Separation. *Chemistry of Materials*, **2010**, 22, 5964-5972	9.6	466
400	A Pyrene-Based, Fluorescent Three-Dimensional Covalent Organic Framework. *Journal of the American Chemical Society*, **2016**, 138, 3302-5	16.4	448
399	Stable metal-organic frameworks containing single-molecule traps for enzyme encapsulation. *Nature Communications*, **2015**, 6, 5979	17.4	422
398	Mixed Matrix Membranes (MMMs) Comprising Exfoliated 2D Covalent Organic Frameworks (COFs) for Efficient CO2 Separation. *Chemistry of Materials*, **2016**, 28, 1277-1285	9.6	404
397	The current status of hydrogen storage in metal□organic frameworks□pdated. *Energy and Environmental Science*, **2011**, 4, 2721	35.4	391
396	The current status of hydrogen storage in metal□organic frameworks. *Energy and Environmental Science*, **2008**, 1, 222	35.4	386
395	Reversible alteration of CO2 adsorption upon photochemical or thermal treatment in a metal-organic framework. *Journal of the American Chemical Society*, **2012**, 134, 99-102	16.4	360
394	Stabilization of metal-organic frameworks with high surface areas by the incorporation of mesocavities with microwindows. *Journal of the American Chemical Society*, **2009**, 131, 9186-8	16.4	297
393	Surface functionalization of porous coordination nanocages via click chemistry and their application in drug delivery. *Advanced Materials*, **2011**, 23, 90-3	24	295

392	Enhancing H2 uptake by "close-packing" alignment of open copper sites in metal-organic frameworks. *Angewandte Chemie - International Edition*, **2008**, 47, 7263-6	16.4	291
391	A coordinatively linked Yb metal-organic framework demonstrates high thermal stability and uncommon gas-adsorption selectivity. *Angewandte Chemie - International Edition*, **2008**, 47, 4130-3	16.4	260
390	Kinetically tuned dimensional augmentation as a versatile synthetic route towards robust metal-organic frameworks. *Nature Communications*, **2014**, 5, 5723	17.4	258
389	Functional mesoporous metal-organic frameworks for the capture of heavy metal ions and size-selective catalysis. *Inorganic Chemistry*, **2010**, 49, 11637-42	5.1	243
388	Metal□rganic Frameworks Based on Double-Bond-Coupled Di-Isophthalate Linkers with High Hydrogen and Methane Uptakes. *Chemistry of Materials*, **2008**, 20, 3145-3152	9.6	231
387	A porous metal-organic framework with ultrahigh acetylene uptake capacity under ambient conditions. *Nature Communications*, **2015**, 6, 7575	17.4	229
386	Carbon dioxide capture and conversion by an acid-base resistant metal-organic framework. *Nature Communications*, **2017**, 8, 1233	17.4	215
385	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. *Advanced Materials*, **2017**, 29, 1704210	24	213
384	A multi-metal-cluster MOF with Cu4I4 and Cu6S6 as functional groups exhibiting dual emission with both thermochromic and near-IR character. *Chemical Science*, **2013**, 4, 1484	9.4	178
383	A novel nonlinear optically active tubular coordination network based on two distinct homo-chiral helices. *Chemical Communications*, **2003**, 2580-1	5.8	177
382	Microporous lanthanide metal-organic frameworks containing coordinatively linked interpenetration: syntheses, gas adsorption studies, thermal stability analysis, and photoluminescence investigation. *Inorganic Chemistry*, **2009**, 48, 2072-7	5.1	176
381	Carbon dioxide capture in amorphous porous organic polymers. *Journal of Materials Chemistry A*, **2017**, 5, 1334-1347	13	169
380	Exceptionally Robust In-Based Metal-Organic Framework for Highly Efficient Carbon Dioxide Capture and Conversion. *Inorganic Chemistry*, **2016**, 55, 3558-65	5.1	169
379	Copper complex cation templated gadolinium(III)-isophthalate frameworks. *Angewandte Chemie - International Edition*, **2004**, 43, 5665-8	16.4	168
378	Poly(polyoxotungstate)s with 20 nickel centers: from nanoclusters to one-dimensional chains. *Angewandte Chemie - International Edition*, **2009**, 48, 7176-9	16.4	165
377	New lanthanide hybrid as clustered infinite nanotunnel with 3D Ln-O-Ln framework and (3,4)-connected net. *Inorganic Chemistry*, **2007**, 46, 1171-6	5.1	164
376	Rational Design of Crystalline Covalent Organic Frameworks for Efficient CO Photoreduction with H O. *Angewandte Chemie - International Edition*, **2019**, 58, 12392-12397	16.4	160
375	Mechanoassisted Synthesis of Sulfonated Covalent Organic Frameworks with High Intrinsic Proton Conductivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 18505-12	9.5	160

374	Ligand bridging-angle-driven assembly of molecular architectures based on quadruply bonded Mo-Mo dimers. *Journal of the American Chemical Society*, **2010**, 132, 17599-610	16.4	158
373	An Ultrastable and Easily Regenerated Hydrogen-Bonded Organic Molecular Framework with Permanent Porosity. *Angewandte Chemie - International Edition*, **2017**, 56, 2101-2104	16.4	157
372	An unusual case of symmetry-preserving isomerism. *Chemical Communications*, **2010**, 46, 1329-31	5.8	153
371	Three Novel Cadmium(II) Complexes from Different Conformational 1,1□Biphenyl-3,3□dicarboxylate. *Crystal Growth and Design*, **2005**, 5, 129-135	3.5	151
370	Mechanized azobenzene-functionalized zirconium metal-organic framework for on-command cargo release. *Science Advances*, **2016**, 2, e1600480	14.3	150
369	Combination between lacunary polyoxometalates and high-nuclear transition metal clusters under hydrothermal conditions: I. from isolated cluster to 1-D chain. *Chemical Communications*, **2007**, 1858-60	5.8	150
368	Room Temperature Batch and Continuous Flow Synthesis of Water-Stable Covalent Organic Frameworks (COFs). *Chemistry of Materials*, **2016**, 28, 5095-5101	9.6	150
367	Two polymeric 36-metal pure lanthanide nanosize clusters. *Chemical Science*, **2013**, 4, 3104	9.4	140
366	Two 3D porous cadmium tetrazolate frameworks with hexagonal tunnels. *Inorganic Chemistry*, **2006**, 45, 5760-6	5.1	137
365	Highly selective carbon dioxide adsorption in a water-stable indium-organic framework material. *Chemical Communications*, **2012**, 48, 9696-8	5.8	130
364	Optimizing Multivariate Metal-Organic Frameworks for Efficient CH/CO Separation. *Journal of the American Chemical Society*, **2020**, 142, 8728-8737	16.4	129
363	New 3-d chiral framework of indium with 1,3,5-benzenetricarboxylate. *Inorganic Chemistry*, **2005**, 44, 73-6	5.1	128
362	Syntheses and Characterizations of Two 3D Cobalt□Organic Frameworks from 2D Honeycomb Building Blocks. *Crystal Growth and Design*, **2005**, 5, 1849-1855	3.5	128
361	Direct Synthesis of Hierarchically Porous Metal□Organic Frameworks with High Stability and Strong Brønsted Acidity: The Decisive Role of Hafnium in Efficient and Selective Fructose Dehydration. *Chemistry of Materials*, **2016**, 28, 2659-2667	9.6	127
360	A NbO-type metal-organic framework derived from a polyyne-coupled di-isophthalate linker formed in situ. *Chemical Communications*, **2010**, 46, 4196-8	5.8	126
359	Carbon Dioxide Capture from Air Using Amine-Grafted Porous Polymer Networks. *Journal of Physical Chemistry C*, **2013**, 117, 4057-4061	3.8	123
358	Isomer separation, conformation control of flexible cyclohexanedicarboxylate ligand in cadmium complexes. *Chemical Communications*, **2004**, 2104-5	5.8	123
357	Synthesis of a Sulfonated Two-Dimensional Covalent Organic Framework as an Efficient Solid Acid Catalyst for Biobased Chemical Conversion. *ChemSusChem*, **2015**, 8, 3208-12	8.3	122

356	Ultrathin two-dimensional porous organic nanosheets with molecular rotors for chemical sensing. *Nature Communications*, **2017**, 8, 1142	17.4	119
355	Evolution of Luminescent Supramolecular Lanthanide ML Complexes from Helicates and Tetrahedra to Cubes. *Journal of the American Chemical Society*, **2017**, 139, 8237-8244	16.4	118
354	Control over interpenetration in lanthanide-organic frameworks: synthetic strategy and gas-adsorption properties. *Inorganic Chemistry*, **2010**, 49, 7605-7	5.1	118
353	A porous covalent porphyrin framework with exceptional uptake capacity of saturated hydrocarbons for oil spill cleanup. *Chemical Communications*, **2013**, 49, 1533-5	5.8	117
352	Control the Structure of Zr-Tetracarboxylate Frameworks through Steric Tuning. *Journal of the American Chemical Society*, **2017**, 139, 16939-16945	16.4	115
351	Syntheses and Crystal Structures of Copper(II) Coordination Polymers Comprising Discrete Helical Chains. *Crystal Growth and Design*, **2005**, 5, 251-256	3.5	114
350	In situ formed white-light-emitting lanthanide-zinc-organic frameworks. *Inorganic Chemistry*, **2012**, 51, 1201-3	5.1	113
349	Truncated octahedral coordination cage incorporating six tetranuclear-metal building blocks and twelve linear edges. *Chemical Science*, **2012**, 3, 2321	9.4	110
348	1D Tube, 2D Layer, and 3D Framework Derived from a New Series of Metal(II)−5-Aminodiacetic Isophthalate Coordination Polymers. *Crystal Growth and Design*, **2006**, 6, 1168-1174	3.5	109
347	Preparation and gas adsorption studies of three mesh-adjustable molecular sieves with a common structure. *Journal of the American Chemical Society*, **2009**, 131, 6445-51	16.4	108
346	In situ large-scale construction of sulfur-functionalized metal–organic framework and its efficient removal of Hg(II) from water. *Journal of Materials Chemistry A*, **2016**, 4, 15370-15374	13	107
345	Microporous Hexanuclear Ln(III) Cluster-Based Metal-Organic Frameworks: Color Tunability for Barcode Application and Selective Removal of Methylene Blue. *Inorganic Chemistry*, **2017**, 56, 511-517	5.1	106
344	Chiral induction in covalent organic frameworks. *Nature Communications*, **2018**, 9, 1294	17.4	105
343	Process-Tracing Study on the Postassembly Modification of Highly Stable Zirconium Metal-Organic Cages. *Journal of the American Chemical Society*, **2018**, 140, 6231-6234	16.4	105
342	Highly potent bactericidal activity of porous metal-organic frameworks. *Advanced Healthcare Materials*, **2012**, 1, 225-38	10.1	105
341	A facile synthesis of microporous organic polymers for efficient gas storage and separation. *Journal of Materials Chemistry A*, **2015**, 3, 3051-3058	13	103
340	Combination of lacunary polyoxometalates and high-nuclear transition metal clusters under hydrothermal conditions. 3. Structure and characterization of [Cu(enMe)2]2{[Cu(enMe)2(H2O)]2[Cu6(enMe)2(B-a-SiW9O34)2]}.4H2O. *Inorganic Chemistry*, **2007**, 46, 4569-74	5.1	103
339	A regenerative metal-organic framework for reversible uptake of Cd(ii): from effective adsorption to detection. *Chemical Science*, **2016**, 7, 5983-5988	9.4	103

338	Anion Effect on the Structural Conformation of Tetranuclear Cadmium(II) Complexes. *Crystal Growth and Design*, **2006**, 6, 1351-1360	3.5	102
337	Direct Solar-to-Electrochemical Energy Storage in a Functionalized Covalent Organic Framework. *Angewandte Chemie - International Edition*, **2018**, 57, 12716-12720	16.4	101
336	A highly porous and robust (3,3,4)-connected metal-organic framework assembled with a 90° bridging-angle embedded octacarboxylate ligand. *Angewandte Chemie - International Edition*, **2012**, 51, 1580-4	16.4	101
335	A Highly Symmetric Metal−Organic Framework Based on a Propeller-Like Ru-Organic Metalloligand for Photocatalysis and Explosives Detection. *Crystal Growth and Design*, **2013**, 13, 5466-5472	3.5	97
334	Surface functionalization of metal-organic polyhedron for homogeneous cyclopropanation catalysis. *Chemical Communications*, **2011**, 47, 4968-70	5.8	91
333	An Isoreticular Series of Metal−Organic Frameworks with Dendritic Hexacarboxylate Ligands and Exceptionally High Gas-Uptake Capacity. *Angewandte Chemie*, **2010**, 122, 5485-5489	3.6	91
332	A 3D porous cobalt-organic framework exhibiting spin-canted antiferromagnetism and field-induced spin-flop transition. *Inorganic Chemistry*, **2007**, 46, 9609-15	5.1	91
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329	Fast, highly selective and sensitive anionic metal-organic framework with nitrogen-rich sites fluorescent chemosensor for nitro explosives detection. *Journal of Hazardous Materials*, **2018**, 344, 283-290	13.8	90
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327	Comparison of the effect of functional groups on gas-uptake capacities by fixing the volumes of cages A and B and modifying the inner wall of cage C in rht-type MOFs. *Inorganic Chemistry*, **2012**, 51, 10350-5	5.1	88
326	Facile fabrication of cost-effective porous polymer networks for highly selective CO2 capture. *Journal of Materials Chemistry A*, **2015**, 3, 3252-3256	13	86
325	Kinetically controlled synthesis of two-dimensional Zr/Hf metal−organic framework nanosheets via a modulated hydrothermal approach. *Journal of Materials Chemistry A*, **2017**, 5, 8954-8963	13	85
324	In situ construction of a coordination zirconocene tetrahedron. *Inorganic Chemistry*, **2013**, 52, 13815-7	5.1	85
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322	Diversity of Coordination Architecture of Copper(II)−5-Sulfoisophthalic Acid: Synthesis, Crystal Structures, and Characterization. *Crystal Growth and Design*, **2007**, 7, 1832-1843	3.5	85
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319	A stepwise transition from microporosity to mesoporosity in metal□organic frameworks by thermal treatment. *Chemical Science*, **2011**, 2, 103-106	9.4	82
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317	Ferroelastic phase transition and switchable dielectric behavior associated with ordering of molecular motion in a perovskite-like architectured supramolecular cocrystal. *Journal of Materials Chemistry C*, **2013**, 1, 2561	7.1	80
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312	Restriction of Molecular Rotors in Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets for Sensing Signal Amplification. *Chemistry of Materials*, **2019**, 31, 146-160	9.6	75
311	Robust Metal□Organic Framework with An Octatopic Ligand for Gas Adsorption and Separation: Combined Characterization by Experiments and Molecular Simulation. *Chemistry of Materials*, **2012**, 24, 18-25	9.6	74
310	Tuning the Formations of Metal□Organic Frameworks by Modification of Ratio of Reactant, Acidity of Reaction System, and Use of a Secondary Ligand. *Crystal Growth and Design*, **2012**, 12, 281-288	3.5	72
309	Formation of an Infinite Three-Dimensional Water Network by the Hierarchic Assembly of Bilayer Water Nanotubes of Octamers. *Crystal Growth and Design*, **2007**, 7, 1385-1387	3.5	71
308	A Highly Symmetric Porous Framework with Multi-intersecting Open Channels. *Crystal Growth and Design*, **2007**, 7, 1712-1715	3.5	71
307	Cooperation of Three Chromophores Generates the Water-Resistant Nitrate Nonlinear Optical Material Bi TeO OH(NO). *Angewandte Chemie - International Edition*, **2017**, 56, 540-544	16.4	70
306	Regulating C2H2 and CO2 Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2134-2140	8.3	69
305	Pressure-responsive curvature change of a "rigid" geodesic ligand in a (3,24)-connected mesoporous metal-organic framework. *Inorganic Chemistry*, **2011**, 50, 10528-30	5.1	68
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300	Mesoporous carbon originated from non-permanent porous MOFs for gas storage and CO2/CH4 separation. *Scientific Reports*, **2014**, 4, 5711	4.9	65
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288	From Coordination Cages to a Stable Crystalline Porous Hydrogen-Bonded Framework. *Chemistry - A European Journal*, **2017**, 23, 4774-4777	4.8	58
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269	Rational design of a flu-type heterometallic cluster-based Zr-MOF. *Chemical Communications*, **2016**, 52, 13671-13674	5.8	49
268	Flexible Zirconium MOFs as Bromine-Nanocontainers for Bromination Reactions under Ambient Conditions. *Angewandte Chemie - International Edition*, **2017**, 56, 14622-14626	16.4	48
267	Electric-Field Assisted In Situ Hydrolysis of Bulk Metal-Organic Frameworks (MOFs) into Ultrathin Metal Oxyhydroxide Nanosheets for Efficient Oxygen Evolution. *Angewandte Chemie - International Edition*, **2020**, 59, 13101-13108	16.4	47

266	Covalent Organic Framework Hosting Metalloporphyrin-Based Carbon Dots for Visible-Light-Driven Selective CO2 Reduction. *Advanced Functional Materials*, **2020**, 30, 2002654	15.6	46
265	Incorporation of InS Nanoparticles into a Metal-Organic Framework for Ultrafast Removal of Hg from Water. *Inorganic Chemistry*, **2018**, 57, 4891-4897	5.1	46
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263	Construction of two microporous metal-organic frameworks with flu and pyr topologies based on Zn4(□-OH)2(CO2)6 and Zn6(□-O)(CO2)6 secondary building units. *Inorganic Chemistry*, **2014**, 53, 1032-8	5.1	46
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261	Syntheses, crystal structures, and properties of complexes constructed with polybenzoate and 2,2?-bibenzimidazole. *CrystEngComm*, **2006**, 8, 281	3.3	46
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