Kyle E Cordova

List of Publications by Citations

45 papers	14,128 citations	26 h-index	53 g-index
53 ext. papers	16,355 ext. citations	11.6 avg, IF	6.89 L-index

#	Paper	IF	Citations
45	The chemistry and applications of metal-organic frameworks. *Science*, **2013**, 341, 1230444	33.3	9059
44	Large-pore apertures in a series of metal-organic frameworks. *Science*, **2012**, 336, 1018-23	33.3	1425
43	The chemistry of metal–organic frameworks for CO2 capture, regeneration and conversion. *Nature Reviews Materials*, **2017**, 2,	73.3	776
42	The role of reticular chemistry in the design of CO reduction catalysts. *Nature Materials*, **2018**, 17, 301-307	27	405
41	Synthesis and characterization of metal-organic framework-74 containing 2, 4, 6, 8, and 10 different metals. *Inorganic Chemistry*, **2014**, 53, 5881-3	5.1	303
40	Introduction of functionality, selection of topology, and enhancement of gas adsorption in multivariate metal-organic framework-177. *Journal of the American Chemical Society*, **2015**, 137, 2641-50	16.4	285
39	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. *Journal of the American Chemical Society*, **2015**, 137, 15394-7	16.4	216
38	A Titanium-Organic Framework as an Exemplar of Combining the Chemistry of Metal- and Covalent-Organic Frameworks. *Journal of the American Chemical Society*, **2016**, 138, 4330-3	16.4	196
37	Selective capture of carbon dioxide under humid conditions by hydrophobic chabazite-type zeolitic imidazolate frameworks. *Angewandte Chemie - International Edition*, **2014**, 53, 10645-8	16.4	196
36	Secondary organic aerosol-forming reactions of glyoxal with amino acids. *Environmental Science & Technology*, **2009**, 43, 2818-24	10.3	175
35	New Metal-Organic Frameworks for Chemical Fixation of CO. *ACS Applied Materials & Interfaces*, **2018**, 10, 733-744	9.5	127
34	Multivariate metal-organic frameworks. *National Science Review*, **2017**, 4, 296-298	10.8	104
33	A significant enhancement of water vapour uptake at low pressure by amine-functionalization of UiO-67. *Dalton Transactions*, **2015**, 44, 2047-51	4.3	89
32	Designing bipyridine-functionalized zirconium metal–organic frameworks as a platform for clean energy and other emerging applications. *Coordination Chemistry Reviews*, **2018**, 364, 33-50	23.2	70
31	Tailoring the water adsorption properties of MIL-101 metal–organic frameworks by partial functionalization. *Journal of Materials Chemistry A*, **2015**, 3, 2057-2064	13	70
30	High proton conductivity at low relative humidity in an anionic Fe-based metal–organic framework. *Journal of Materials Chemistry A*, **2016**, 4, 3638-3641	13	65
29	Tuning the Interplay between Selectivity and Permeability of ZIF-7 Mixed Matrix Membranes. *ACS Applied Materials & Interfaces*, **2017**, 9, 33401-33407	9.5	58

28	Tailoring the Optical Absorption of Water-Stable Zr(IV)- and Hf(IV)-Based Metal-Organic Framework Photocatalysts. *Chemistry - an Asian Journal*, **2015**, 10, 2660-8	4.5	55
27	An azobenzene-containing metal-organic framework as an efficient heterogeneous catalyst for direct amidation of benzoic acids: synthesis of bioactive compounds. *Chemical Communications*, **2015**, 51, 17132-5	5.8	44
26	The folklore and reality of reticular chemistry. *Materials Chemistry Frontiers*, **2017**, 1, 1304-1309	7.8	42
25	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks. *Angewandte Chemie*, **2014**, 126, 10821-10824	3.6	40
24	Synthesis and Selective CO2 Capture Properties of a Series of Hexatopic Linker-Based Metal-Organic Frameworks. *Inorganic Chemistry*, **2015**, 54, 10065-72	5.1	39
23	Mixed-Metal Zeolitic Imidazolate Frameworks and their Selective Capture of Wet Carbon Dioxide over Methane. *Inorganic Chemistry*, **2016**, 55, 6201-7	5.1	38
22	High Methanol Uptake Capacity in Two New Series of Metal-Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications. *Chemistry of Materials*, **2016**, 28, 6243-6249	9.6	36
21	Carbon dioxide capture in the presence of water by an amine-based crosslinked porous polymer. *Journal of Materials Chemistry A*, **2018**, 6, 6455-6462	13	28
20	An Ultrasensitive and Selective Metal-Organic Framework Chemosensor for Palladium Detection in Water. *Inorganic Chemistry*, **2019**, 58, 1738-1741	5.1	27
19	A complex metal-organic framework catalyst for microwave-assisted radical polymerization. *Communications Chemistry*, **2018**, 1,	6.3	25
18	Facilitating Laboratory Research Experience Using Reticular Chemistry. *Journal of Chemical Education*, **2018**, 95, 1512-1519	2.4	23
17	A Microporous Organic Copolymer for Selective CO2 Capture under Humid Conditions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13941-13948	8.3	19
16	Defect-engineering a metal-organic framework for CO2 fixation in the synthesis of bioactive oxazolidinones. *Inorganic Chemistry Frontiers*, **2020**, 7, 3571-3577	6.8	13
15	Can rapid loss and high variability of Martian methane be explained by surface H2O2?. *Planetary and Space Science*, **2011**, 59, 238-246	2	12
14	Novel Porous Organic Polymer for the Concurrent and Selective Removal of Hydrogen Sulfide and Carbon Dioxide from Natural Gas Streams. *ACS Applied Materials & Interfaces*, **2020**, 12, 47984-47992	9.5	12
13	Unraveling the Structural Dynamics of an Enzyme Encapsulated within a Metal-Organic Framework. *Journal of Physical Chemistry B*, **2020**, 124, 3678-3685	3.4	11
12	Diamidato-bis(diphenylphosphino) platinum(II) complexes: Synthesis, characterization, and reactivity in the presence of acid. *Inorganica Chimica Acta*, **2011**, 368, 74-83	2.7	10
11	The Development of Global Science. *ACS Central Science*, **2015**, 1, 18-23	16.8	5

10	Selectively capturing carbon dioxide from mixed gas streams using a new microporous organic copolymer. *Microporous and Mesoporous Materials*, **2020**, 305, 110391	5.3	5
9	Flexible Metal□Organic Frameworks as CO 2 Adsorbents en Route to Energy-Efficient Carbon Capture. *Small Structures*,2100209	8.7	5
8	Metal Organic Frameworks as Emerging Photocatalysts **2016**,		4
7	Metal nitrosyl chemistry: Interesting oxidation and nitrosylation of a metal-bound ligand framework in a diamido-bis(phosphine) ruthenium(II) complex. *Inorganica Chimica Acta*, **2016**, 450, 236-242	2.7	2
6	Robust Barium Phosphonate Metal□Organic Frameworks Synthesized under Aqueous Conditions **2021**, 3, 1010-1015		2
5	Control over interpenetration for boosting methane storage capacity in metal□organic frameworks. *Journal of Materials Chemistry A*,	13	2
4	Building a Global Culture of Science-The Vietnam Experience. *Angewandte Chemie - International Edition*, **2019**, 58, 1552-1560	16.4	1
3	Surface peptide functionalization of zeolitic imidazolate framework-8 for autonomous homing and enhanced delivery of chemotherapeutic agent to lung tumor cells. *Dalton Transactions*, **2021**, 50, 2375-2386	4.3	1
2	Aufbau einer globalen Wissenschaftskultur □die Vietnam-Erfahrung. *Angewandte Chemie*, **2019**, 131, 1566-1575	3.6	0
1	R□ktitelbild: Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks (Angew. Chem. 40/2014). *Angewandte Chemie*, **2014**, 126, 11004-11004	3.6	