

Kyle E Cordova

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Robust Barium Phosphonate Metal-Organic Frameworks Synthesized under Aqueous Conditions 2021 , 3, 1010-1015		2
44	Surface peptide functionalization of zeolitic imidazolate framework-8 for autonomous homing and enhanced delivery of chemotherapeutic agent to lung tumor cells. <i>Dalton Transactions</i> , 2021 , 50, 2375-2386	4.3	1
43	Selectively capturing carbon dioxide from mixed gas streams using a new microporous organic copolymer. <i>Microporous and Mesoporous Materials</i> , 2020 , 305, 110391	5.3	5
42	Novel Porous Organic Polymer for the Concurrent and Selective Removal of Hydrogen Sulfide and Carbon Dioxide from Natural Gas Streams. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47984-47992	9.5	12
41	Defect-engineering a metal-organic framework for CO ₂ fixation in the synthesis of bioactive oxazolidinones. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3571-3577	6.8	13
40	Unraveling the Structural Dynamics of an Enzyme Encapsulated within a Metal-Organic Framework. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 3678-3685	3.4	11
39	A Microporous Organic Copolymer for Selective CO ₂ Capture under Humid Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13941-13948	8.3	19
38	Building a Global Culture of Science-The Vietnam Experience. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1552-1560	16.4	1
37	An Ultrasensitive and Selective Metal-Organic Framework Chemosensor for Palladium Detection in Water. <i>Inorganic Chemistry</i> , 2019 , 58, 1738-1741	5.1	27
36	Aufbau einer globalen Wissenschaftskultur Die Vietnam-Erfahrung. <i>Angewandte Chemie</i> , 2019 , 131, 1566-1575	3.6	0
35	The role of reticular chemistry in the design of CO reduction catalysts. <i>Nature Materials</i> , 2018 , 17, 301-307	30.7	405
34	New Metal-Organic Frameworks for Chemical Fixation of CO. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 733-744	9.5	127
33	Carbon dioxide capture in the presence of water by an amine-based crosslinked porous polymer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6455-6462	13	28
32	Designing bipyridine-functionalized zirconium metal-organic frameworks as a platform for clean energy and other emerging applications. <i>Coordination Chemistry Reviews</i> , 2018 , 364, 33-50	23.2	70
31	Facilitating Laboratory Research Experience Using Reticular Chemistry. <i>Journal of Chemical Education</i> , 2018 , 95, 1512-1519	2.4	23
30	A complex metal-organic framework catalyst for microwave-assisted radical polymerization. <i>Communications Chemistry</i> , 2018 , 1,	6.3	25
29	Tuning the Interplay between Selectivity and Permeability of ZIF-7 Mixed Matrix Membranes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33401-33407	9.5	58

28	The folklore and reality of reticular chemistry. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1304-1309	7.8	42
27	Multivariate metal-organic frameworks. <i>National Science Review</i> , 2017 , 4, 296-298	10.8	104
26	The chemistry of metal-organic frameworks for CO ₂ capture, regeneration and conversion. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	776
25	Metal nitrosyl chemistry: Interesting oxidation and nitrosylation of a metal-bound ligand framework in a diamido-bis(phosphine) ruthenium(II) complex. <i>Inorganica Chimica Acta</i> , 2016 , 450, 236-242	2.7	2
24	Mixed-Metal Zeolitic Imidazolate Frameworks and their Selective Capture of Wet Carbon Dioxide over Methane. <i>Inorganic Chemistry</i> , 2016 , 55, 6201-7	5.1	38
23	High proton conductivity at low relative humidity in an anionic Fe-based metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3638-3641	13	65
22	A Titanium-Organic Framework as an Exemplar of Combining the Chemistry of Metal- and Covalent-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4330-3	16.4	196
21	Metal Organic Frameworks as Emerging Photocatalysts 2016 ,		4
20	High Methanol Uptake Capacity in Two New Series of Metal-Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications. <i>Chemistry of Materials</i> , 2016 , 28, 6243-6249	9.6	36
19	The Development of Global Science. <i>ACS Central Science</i> , 2015 , 1, 18-23	16.8	5
18	An azobenzene-containing metal-organic framework as an efficient heterogeneous catalyst for direct amidation of benzoic acids: synthesis of bioactive compounds. <i>Chemical Communications</i> , 2015 , 51, 17132-5	5.8	44
17	Synthesis and Selective CO ₂ Capture Properties of a Series of Hexatopic Linker-Based Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2015 , 54, 10065-72	5.1	39
16	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15394-7	16.4	216
15	A significant enhancement of water vapour uptake at low pressure by amine-functionalization of UiO-67. <i>Dalton Transactions</i> , 2015 , 44, 2047-51	4.3	89
14	Tailoring the Optical Absorption of Water-Stable Zr(IV)- and Hf(IV)-Based Metal-Organic Framework Photocatalysts. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2660-8	4.5	55
13	Introduction of functionality, selection of topology, and enhancement of gas adsorption in multivariate metal-organic framework-177. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2641-50	16.4	285
12	Tailoring the water adsorption properties of MIL-101 metal-organic frameworks by partial functionalization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2057-2064	13	70
11	Selective capture of carbon dioxide under humid conditions by hydrophobic chabazite-type zeolitic imidazolate frameworks. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10645-8	16.4	196

10	Synthesis and characterization of metal-organic framework-74 containing 2, 4, 6, 8, and 10 different metals. <i>Inorganic Chemistry</i> , 2014 , 53, 5881-3	5.1	303
9	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie</i> , 2014 , 126, 10821-10824	3.6	40
8	R&Ktitelbild: Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks (Angew. Chem. 40/2014). <i>Angewandte Chemie</i> , 2014 , 126, 11004-11004	3.6	
7	The chemistry and applications of metal-organic frameworks. <i>Science</i> , 2013 , 341, 1230444	33.3	9059
6	Large-pore apertures in a series of metal-organic frameworks. <i>Science</i> , 2012 , 336, 1018-23	33.3	1425
5	Diamidato-bis(diphenylphosphino) platinum(II) complexes: Synthesis, characterization, and reactivity in the presence of acid. <i>Inorganica Chimica Acta</i> , 2011 , 368, 74-83	2.7	10
4	Can rapid loss and high variability of Martian methane be explained by surface H ₂ O ₂ ?. <i>Planetary and Space Science</i> , 2011 , 59, 238-246	2	12
3	Secondary organic aerosol-forming reactions of glyoxal with amino acids. <i>Environmental Science & Technology</i> , 2009 , 43, 2818-24	10.3	175
2	Control over interpenetration for boosting methane storage capacity in metal-organic frameworks. <i>Journal of Materials Chemistry A</i> ,	13	2
1	Flexible Metal-Organic Frameworks as CO ₂ Adsorbents en Route to Energy-Efficient Carbon Capture. <i>Small Structures</i> , 2100209	8.7	5