

Christian S Diercks

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

9,068
citations

293460

24
h-index

488211

31
g-index

56
all docs

56
docs citations

56
times ranked

11031
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. <i>Science</i> , 2015, 349, 1208-1213.	6.0	2,046
2	The atom, the molecule, and the covalent organic framework. <i>Science</i> , 2017, 355, .	6.0	2,037
3	The role of reticular chemistry in the design of CO ₂ reduction catalysts. <i>Nature Materials</i> , 2018, 17, 301-307.	13.3	552
4	Metal-Organic Frameworks for Water Harvesting from Air. <i>Advanced Materials</i> , 2018, 30, e1704304.	11.1	500
5	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 1116-1122.	6.6	457
6	The Current Status of MOF and COF Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23975-24001.	7.2	450
7	Chemical Conversion of Linkages in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 15519-15522.	6.6	373
8	Porous Crystalline Olefin-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 6848-6852.	6.6	333
9	Conversion of Imine to Oxazole and Thiazole Linkages in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 9099-9103.	6.6	243
10	A Metal-Organic Framework of Organic Vertices and Polyoxometalate Linkers as a Solid-State Electrolyte. <i>Journal of the American Chemical Society</i> , 2019, 141, 17522-17526.	6.6	216
11	25 Years of Reticular Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23946-23974.	7.2	204
12	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 17081-17085.	6.6	165
13	Anisotropic reticular chemistry. <i>Nature Reviews Materials</i> , 2020, 5, 764-779.	23.3	149
14	Urea-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 16438-16441.	6.6	140
15	Molecular Weaving of Covalent Organic Frameworks for Adaptive Guest Inclusion. <i>Journal of the American Chemical Society</i> , 2018, 140, 16015-16019.	6.6	107
16	Conceptual Advances from Werner Complexes to Metal-Organic Frameworks. <i>ACS Central Science</i> , 2018, 4, 1457-1464.	5.3	101
17	3D Covalent Organic Frameworks of Interlocking 1D Square Ribbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 677-683.	6.6	94
18	Spiers Memorial Lecture: : Progress and prospects of reticular chemistry. <i>Faraday Discussions</i> , 2017, 201, 9-45.	1.6	85

#	ARTICLE	IF	CITATIONS
19	Local Electronic Structure of Molecular Heterojunctions in a Single-Layer 2D Covalent Organic Framework. <i>Advanced Materials</i> , 2019, 31, e1805941.	11.1	74
20	Amidation, Esterification, and Thioesterification of a Carboxyl-Functionalized Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2023-2027.	7.2	66
21	Reticular Nanoscience: Bottom-Up Assembly Nanotechnology. <i>Journal of the American Chemical Society</i> , 2022, 144, 7531-7550.	6.6	38
22	Solid-State Characterization and Photoinduced Intramolecular Electron Transfer in a Nanoconfined Octacationic Homo[2]Catenane. <i>Journal of the American Chemical Society</i> , 2014, 136, 10569-10572.	6.6	32
23	Covalent Organic Frameworks—Organic Chemistry Beyond the Molecule. <i>Molecules</i> , 2017, 22, 1575.	1.7	31
24	Reticular Growth of Graphene Nanoribbon 2D Covalent Organic Frameworks. <i>CheM</i> , 2020, 6, 1125-1133.	5.8	29
25	From Molecules to Frameworks to Superframework Crystals. <i>Advanced Materials</i> , 2021, 33, e2103808.	11.1	26
26	Amidation, Esterification, and Thioesterification of a Carboxyl-Functionalized Covalent Organic Framework. <i>Angewandte Chemie</i> , 2020, 132, 2039-2043.	1.6	22
27	Der derzeitige Stand von MOF- und COF-Anwendungen. <i>Angewandte Chemie</i> , 2021, 133, 24174-24202.	1.6	18
28	Contractile and Extensible Molecular Figures of Eight. <i>Chemistry - A European Journal</i> , 2015, 21, 14393-14400.	1.7	14
29	Casting Nanoporous Platinum in Metal-Organic Frameworks. <i>Advanced Materials</i> , 2019, 31, e1807553.	11.1	13
30	25 Jahre retikuläre Chemie. <i>Angewandte Chemie</i> , 2021, 133, 24142.	1.6	6