

Bulk COFs and COF nanosheets for electrochemical ene

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fe <sub>3</sub> O <sub>4</sub> /Porphyrin Covalent Organic Framework Core-Shell Nanospheres as Interfacial Catalysts for Enzymatic Esterification. ACS Applied Nano Materials, 2020, 3, 10360-10368.	2.4	25
2	Covalent Organic Frameworks: An Amazing Chemistry Platform for Designing Polymers. Chem, 2020, 6, 2461-2483.	5.8	98
3	A 2D donor-acceptor covalent organic framework with charge transfer for supercapacitors. Chemical Communications, 2020, 56, 14187-14190.	2.2	29
4	Prefabricated covalent organic framework nanosheets with double vacancies: anchoring Cu for highly efficient photocatalytic H <sub>2</sub> evolution. Journal of Materials Chemistry A, 2020, 8, 25094-25100.	5.2	50
5	Covalent Organic Frameworks for Next-Generation Batteries. ChemElectroChem, 2020, 7, 3905-3926.	1.7	41
6	Direct-Space Structure Determination of Covalent Organic Frameworks from 3D Electron Diffraction Data. Angewandte Chemie - International Edition, 2020, 59, 22638-22644.	7.2	23
7	Crystallinity and stability of covalent organic frameworks. Science China Chemistry, 2020, 63, 1367-1390.	4.2	95
8	Direct-Space Structure Determination of Covalent Organic Frameworks from 3D Electron Diffraction Data. Angewandte Chemie, 2020, 132, 22827-22833.	1.6	2
9	Three-Dimensional Covalent Organic Frameworks: From Topology Design to Applications. Accounts of Chemical Research, 2020, 53, 2225-2234.	7.6	149
10	Construction of the Copper-Functionalized Covalent Organic Framework Used as a Heterogeneous Catalyst for Click Reaction. ChemistrySelect, 2020, 5, 15010-15014.	0.7	14
11	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. Journal of the American Chemical Society, 2020, 142, 21279-21284.	6.6	54
12	Recent Advances in the Preparation and Applications of Organo-Functionalized Porous Materials. Chemistry - an Asian Journal, 2020, 15, 2588-2621.	1.7	33
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14	Emerging porous nanosheets: From fundamental synthesis to promising applications. Nano Research, 2021, 14, 1-28.	5.8	69
15	Covalent organic framework-based materials for energy applications. Energy and Environmental Science, 2021, 14, 688-728.	15.6	209
16	Inherent mass transfer engineering of a Co, N co-doped carbon material towards oxygen reduction reaction. Journal of Energy Chemistry, 2021, 58, 391-396.	7.1	12
17	Rational Construction of Borromean Linked Crystalline Organic Polymers. Angewandte Chemie, 2021, 133, 3011-3016.	1.6	3
18	Rational Construction of Borromean Linked Crystalline Organic Polymers. Angewandte Chemie - International Edition, 2021, 60, 2974-2979.	7.2	16

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19	Two-dimensional matrices confining metal single atoms with enhanced electrochemical reaction kinetics for energy storage applications. <i>Energy and Environmental Science</i> , 2021, 14, 1794-1834.	15.6	45
20	Design strategies for improving the crystallinity of covalent organic frameworks and conjugated polymers: a review. <i>Materials Horizons</i> , 2022, 9, 121-146.	6.4	51
21	Electrically conductive covalent organic frameworks: bridging the fields of organic metals and 2D materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10668-10676.	2.7	38
22	Tuning the structural skeleton of a phenanthroline-based covalent organic framework for better electrochemical performance as a cathode material for Zn-ion batteries: a theoretical exploration. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12644-12653.	1.3	19
23	Room-temperature controllable synthesis of hierarchically flower-like hollow covalent organic frameworks for brain natriuretic peptide enrichment. <i>Chemical Communications</i> , 2021, 57, 7362-7365.	2.2	34
24	Acetylene-linked conjugated polymers for sacrificial photocatalytic hydrogen evolution from water. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17242-17248.	5.2	18
25	Photo-induced variation of magnetism in coordination polymers with ligand-based electron transfer. <i>Dalton Transactions</i> , 2021, 50, 13124-13137.	1.6	9
26	Exfoliated covalent organic framework nanosheets. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7336-7365.	5.2	53
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28	Construction of unimpeded proton-conducting pathways in solution-processed nanoporous polymer membranes. <i>Materials Horizons</i> , 2021, 8, 3088-3095.	6.4	9
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33	Pyrolysis-free covalent organic framework-based materials for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20985-21004.	5.2	33
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38	Emergent electrochemical functions and future opportunities of hierarchically constructed metal-organic frameworks and covalent organic frameworks. <i>Nanoscale</i> , 2021, 13, 6341-6356.	2.8	28
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40	Porphyrin-based frameworks for oxygen electrocatalysis and catalytic reduction of carbon dioxide. <i>Chemical Society Reviews</i> , 2021, 50, 2540-2581.	18.7	249
41	Fabricating Nanosheets and Ratiometric Detection of 5-Fluorouracil by Covalent Organic Framework Hybrid Material. <i>Analytical Chemistry</i> , 2021, 93, 4308-4316.	3.2	40
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43	Exceptional Capacitance Enhancement of a Non-Conducting COF through Potential-Driven Chemical Modulation by Redox Electrolyte. <i>Advanced Energy Materials</i> , 2021, 11, 2003626.	10.2	30
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45	Free-Standing Covalent Organic Framework Membrane for High-Efficiency Salinity Gradient Energy Conversion. <i>Angewandte Chemie</i> , 2021, 133, 10013-10018.	1.6	28
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50	Structural Engineering of Covalent Organic Frameworks for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003054.	10.2	61
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52	Electrolyte Interphase Built from Anionic Covalent Organic Frameworks for Lithium Dendrite Suppression. <i>Advanced Functional Materials</i> , 2021, 31, 2009718.	7.8	43
53	Surface post-functionalization of COFs by economical strategy via multiple-component one-pot tandem reactions and their application in adsorption of pesticides. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1439-1449.	9.9	23
54	Free-Standing Covalent Organic Framework Membrane for High-Efficiency Salinity Gradient Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9925-9930.	7.2	94

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57	Macroscopic Ultralight Aerogel Monoliths of Imine <sup>-</sup> -based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13969-13977.	7.2	73
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59	Macroscopic Ultralight Aerogel Monoliths of Imine <sup>-</sup> -based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 14088-14096.	1.6	5
60	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 7104-7113.	6.6	198
61	Construction of Interlayer Conjugated Links in 2D Covalent Organic Frameworks via Topological Polymerization. <i>Journal of the American Chemical Society</i> , 2021, 143, 7897-7902.	6.6	58
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79	Redox Active Organic-Carbon Composites for Capacitive Electrodes: A Review. <i>Sustainable Chemistry</i> , 2021, 2, 407-440.	2.2	23
80	Progress and Prospect of Organic Electrocatalysts in Lithium-Sulfur Batteries. <i>Frontiers in Chemistry</i> , 2021, 9, 703354.	1.8	5
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82	Covalent Organic Framework Membranes for Efficient Chemicals Separation. <i>Small Structures</i> , 2021, 2, 2100061.	6.9	48
83	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. <i>ACS Nano</i> , 2021, 15, 12741-12767.	7.3	71
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99	Flexible, Mechanically Stable, Porous Self-Standing Microfiber Network Membranes of Covalent Organic Frameworks: Preparation Method and Characterization. <i>Advanced Functional Materials</i> , 2021, 31, 2106507.	7.8	34
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108	Rational design of edges of covalent organic networks for catalyzing hydrogen peroxide production. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120605.	10.8	29

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110	Eu <sup>3+</sup> - $\beta$ -diketone functionalized covalent organic framework hybrid material as a sensitive and rapid response fluorescent sensor for glutaraldehyde. <i>Talanta</i> , 2022, 236, 122877.	2.9	25
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537	Recent advancements of covalent organic frameworks (COFs) as proton conductors under anhydrous conditions for fuel cell applications. <i>RSC Advances</i> , 2023, 13, 30401-30419.	1.7	0
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