

# Covalent organic frameworks: a materials platform for

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of chemically stable covalent organic frameworks in water. IUCrJ, 2016, 3, 391-392.	2.2	3
2	Flexibility Matters: Cooperative Active Sites in Covalent Organic Framework and Threaded Ionic Polymer. Journal of the American Chemical Society, 2016, 138, 15790-15796.	13.7	414
3	Metalation of a Mesoporous Three-Dimensional Covalent Organic Framework. Journal of the American Chemical Society, 2016, 138, 15134-15137.	13.7	309
4	Nanoscale tailor-made membranes for precise and rapid molecular sieve separation. Nanoscale, 2017, 9, 2942-2957.	5.6	83
5	Porous organic polymers as emerging new materials for organic photovoltaic applications: current status and future challenges. Materials Horizons, 2017, 4, 546-556.	12.2	125
6	Stable Covalent Organic Frameworks for Exceptional Mercury Removal from Aqueous Solutions. Journal of the American Chemical Society, 2017, 139, 2428-2434.	13.7	519
7	Precise elucidations of stacking manners of hydrogen-bonded two-dimensional organic frameworks composed of X-shaped $\pi$ -conjugated systems. CrystEngComm, 2017, 19, 4892-4898.	2.6	49
8	Metal-like Boronic-Organic Frameworks: A Design and Computation. Inorganic Chemistry, 2017, 56, 2490-2495.	4.0	3
9	Flexible monomer-based covalent organic frameworks: design, structure and functions. CrystEngComm, 2017, 19, 4868-4871.	2.6	18
10	An Elastic Hydrogen-Bonded Cross-Linked Organic Framework for Effective Iodine Capture in Water. Journal of the American Chemical Society, 2017, 139, 7172-7175.	13.7	218
11	Highly Efficient Multiple-Anchored Fluorescent Probe for the Detection of Aniline Vapor Based on Synergistic Effect: Chemical Reaction and PET. ACS Sensors, 2017, 2, 687-694.	7.8	34
12	Well-Defined 2D Covalent Organic Polymers for Energy Electrocatalysis. ACS Energy Letters, 2017, 2, 1308-1314.	17.4	109
13	Electrostatic Design of 3D Covalent Organic Networks. Advanced Materials, 2017, 29, 1700888.	21.0	8
14	Covalent Organic Frameworks as a Platform for Multidimensional Polymerization. ACS Central Science, 2017, 3, 533-543.	11.3	251
15	Hexaazatriphenylene-Based Hydrogen-Bonded Organic Framework with Permanent Porosity and Single-Crystallinity. Chemistry - A European Journal, 2017, 23, 11611-11619.	3.3	80
16	3D Porphyrin-Based Covalent Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8705-8709.	13.7	369
17	Two-Dimensional Covalent Organic Frameworks for Optoelectronics and Energy Storage. ChemNanoMat, 2017, 3, 373-391.	2.8	106
18	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. Journal of the American Chemical Society, 2017, 139, 8698-8704.	13.7	440

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19	Ionic Covalent Organic Frameworks: Design of a Charged Interface Aligned on 1D Channel Walls and Its Unusual Electrostatic Functions. <i>Angewandte Chemie</i> , 2017, 129, 5064-5068.	2.0	33
20	Rapid, Low Temperature Formation of Imine-Linked Covalent Organic Frameworks Catalyzed by Metal Triflates. <i>Journal of the American Chemical Society</i> , 2017, 139, 4999-5002.	13.7	276
21	Ionic Covalent Organic Frameworks: Design of a Charged Interface Aligned on 1D Channel Walls and Its Unusual Electrostatic Functions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4982-4986.	13.8	217
22	Applications of covalent organic frameworks (COFs): From gas storage and separation to drug delivery. <i>Chinese Chemical Letters</i> , 2017, 28, 1135-1143.	9.0	198
23	Exfoliation of Covalent Organic Frameworks into Few-Layer Redox-Active Nanosheets as Cathode Materials for Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 4258-4261.	13.7	775
24	Redox-Active Polymers for Energy Storage Nanoarchitectonics. <i>Joule</i> , 2017, 1, 739-768.	24.0	400
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26	Fluorinated, Sulfur-Rich, Covalent Triazine Frameworks for Enhanced Confinement of Polysulfides in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37731-37738.	8.0	164
27	A versatile covalent organic framework-based platform for sensing biomolecules. <i>Chemical Communications</i> , 2017, 53, 11469-11471.	4.1	148
28	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. <i>Chemical Society Reviews</i> , 2017, 46, 6927-6945.	38.1	347
29	Single-Site Photocatalytic H <sub>2</sub> Evolution from Covalent Organic Frameworks with Molecular Cobaloxime Co-Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 16228-16234.	13.7	292
30	Nucleation and Growth of Covalent Organic Frameworks from Solution: The Example of COF-5. <i>Journal of the American Chemical Society</i> , 2017, 139, 16310-16318.	13.7	121
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38	A porous, crystalline truxene-based covalent organic framework and its application in humidity sensing. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21820-21827.	10.3	115
39	Functional nanonetwork-structured polymers with inbuilt poly(acrylic acid) linings for enhanced adsorption. <i>Polymer Chemistry</i> , 2017, 8, 4771-4775.	3.9	35
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46	Two-Dimensional Materials as Prospective Scaffolds for Mixed-Matrix Membrane-Based CO <sub>2</sub> Separation. <i>ChemSusChem</i> , 2017, 10, 3304-3316.	6.8	77
47	Recent advances in AlEgen-based luminescent metal-organic frameworks and covalent organic frameworks. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2474-2486.	5.9	136
48	Two-dimensional sp <sup>2</sup> carbon-conjugated covalent organic frameworks. <i>Science</i> , 2017, 357, 673-676.	12.6	866
49	Systematic Engineering of Single Substitution in Zirconium Metal-Organic Frameworks toward High-Performance Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 18590-18597.	13.7	102
50	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16313-16317.	13.8	290
51	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 16531-16535.	2.0	54
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