

Hao Yang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,846
citations

361413

20
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic framework membranes through a mixed-dimensional assembly for molecular separations. <i>Nature Communications</i> , 2019, 10, 2101.	12.8	271
2	Ultrathin nanofiltration membrane with polydopamine-covalent organic framework interlayer for enhanced permeability and structural stability. <i>Journal of Membrane Science</i> , 2019, 576, 131-141.	8.2	238
3	Covalent organic framework-modulated interfacial polymerization for ultrathin desalination membranes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25641-25649.	10.3	173
4	Organic molecular sieve membranes for chemical separations. <i>Chemical Society Reviews</i> , 2021, 50, 5468-5516.	38.1	170
5	Highly water-permeable and stable hybrid membrane with asymmetric covalent organic framework distribution. <i>Journal of Membrane Science</i> , 2016, 520, 583-595.	8.2	107
6	Functionally graded membranes from nanoporous covalent organic frameworks for highly selective water permeation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 583-591.	10.3	103
7	Direct growth of covalent organic framework nanofiltration membranes on modified porous substrates for dyes separation. <i>Separation and Purification Technology</i> , 2019, 215, 582-589.	7.9	95
8	Ultrathin Covalent Organic Framework Membranes via a Multi-Interfacial Engineering Strategy for Gas Separation. <i>Advanced Materials</i> , 2022, 34, e2104946.	21.0	82
9	Assembling covalent organic framework membranes with superior ion exchange capacity. <i>Nature Communications</i> , 2022, 13, 1020.	12.8	79
10	Highly water-selective membranes based on hollow covalent organic frameworks with fast transport pathways. <i>Journal of Membrane Science</i> , 2018, 565, 331-341.	8.2	73
11	Brønsted acid mediated covalent organic framework membranes for efficient molecular separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20317-20324.	10.3	58
12	COF membranes with uniform and exchangeable facilitated transport carriers for efficient carbon capture. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12636-12643.	10.3	55
13	Ultraporous graphene oxide membranes with tunable interlayer distances via vein-like supramolecular dendrimers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18642-18652.	10.3	48
14	High-efficiency water-selective membranes from the solution-diffusion synergy of calcium alginate layer and covalent organic framework (COF) layer. <i>Journal of Membrane Science</i> , 2019, 572, 557-566.	8.2	48
15	Bimetallic metal-organic frameworks nanocages as multi-functional fillers for water-selective membranes. <i>Journal of Membrane Science</i> , 2018, 545, 19-28.	8.2	44
16	Ultrathin heterostructured covalent organic framework membranes with interfacial molecular sieving capacity for fast water-selective permeation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19328-19336.	10.3	43
17	Hierarchical pore architectures from 2D covalent organic nanosheets for efficient water/alcohol separation. <i>Journal of Membrane Science</i> , 2018, 561, 79-88.	8.2	33
18	Ultrathin covalent organic framework film as membrane gutter layer for high-permeance CO ₂ capture. <i>Journal of Membrane Science</i> , 2021, 632, 119384.	8.2	32

#	ARTICLE	IF	CITATIONS
19	Homoporous hybrid membranes containing metal-organic cages for gas separation. Journal of Membrane Science, 2021, 636, 119564.	8.2	27
20	Constructing channel-mediated facilitated transport membranes by incorporating covalent organic framework nanosheets with tunable microenvironments. Journal of Materials Chemistry A, 2019, 7, 9912-9923.	10.3	25
21	Poly(ionic liquid)-Functionalized UiO-66-(OH) ₂ : Improved Interfacial Compatibility and Separation Ability in Mixed Matrix Membranes for CO ₂ Separation. Industrial & Engineering Chemistry Research, 2022, 61, 7626-7633.	3.7	21
22	Vapor-liquid interfacial polymerization of covalent organic framework membranes for efficient alcohol dehydration. Journal of Membrane Science, 2022, 641, 119905.	8.2	18