

Yaoxin Hu

List of Publications by Year in descending order

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37
papers

3,394
citations

257450

24
h-index

345221

36
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all docs

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docs citations

37
times ranked

4881
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective strategies to realize high-performance graphene-reinforced cement composites. <i>Construction and Building Materials</i> , 2022, 324, 126636.	7.2	19
2	Ultrafast water evaporation through graphene membranes with subnanometer pores for desalination. <i>Journal of Membrane Science</i> , 2021, 621, 118934.	8.2	45
3	Photo-switchable membranes constructed from graphene oxide/star-PDMS nanocomposites for gas permeation control. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21167-21174.	10.3	6
4	Synthesis of ZIF/CNT nanonecklaces and their derived cobalt nanoparticles/N-doped carbon catalysts for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152684.	5.5	24
5	A thermally reduced graphene oxide membrane interlayered with an <i>in situ</i> synthesized nanopacer for water desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25951-25958.	10.3	17
6	Efficient metal ion sieving in rectifying subnanochannels enabled by metal-organic frameworks. <i>Nature Materials</i> , 2020, 19, 767-774.	27.5	275
7	Nitrogen-Rich, Well-Dispersed Nanoporous Carbon Materials for Super-Efficient Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2019, 6, 1894-1900.	3.4	3
8	Fouling and cleaning of polymer-entwined graphene oxide nanocomposite membrane for forward osmosis process. <i>Separation Science and Technology</i> , 2019, 54, 1376-1386.	2.5	6
9	Ultrafast selective transport of alkali metal ions in metal organic frameworks with subnanometer pores. <i>Science Advances</i> , 2018, 4, eaaq0066.	10.3	368
10	The enhanced hydrogen separation performance of mixed matrix membranes by incorporation of two-dimensional ZIF-L into polyimide containing hydroxyl group. <i>Journal of Membrane Science</i> , 2018, 549, 260-266.	8.2	82
11	Multifunctional metal organic framework and carbon nanotube-modified filter for combined ultrafine dust capture and SO ₂ dynamic adsorption. <i>Environmental Science: Nano</i> , 2018, 5, 3023-3031.	4.3	37
12	Incorporation of Homochirality into a Zeolitic Imidazolate Framework Membrane for Efficient Chiral Separation. <i>Angewandte Chemie</i> , 2018, 130, 17376-17380.	2.0	36
13	Incorporation of Homochirality into a Zeolitic Imidazolate Framework Membrane for Efficient Chiral Separation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17130-17134.	13.8	113
14	Carbon Nanotube Networks as Nanoscaffolds for Fabricating Ultrathin Carbon Molecular Sieve Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20182-20188.	8.0	33
15	Non-swelling graphene oxide-polymer nanocomposite membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2018, 562, 47-55.	8.2	64
16	Thermoresponsive Amphoteric Metal-Organic Frameworks for Efficient and Reversible Adsorption of Multiple Salts from Water. <i>Advanced Materials</i> , 2018, 30, e1802767.	21.0	51
17	Water Desalination: Thermoresponsive Amphoteric Metal-Organic Frameworks for Efficient and Reversible Adsorption of Multiple Salts from Water (<i>Adv. Mater.</i> 34/2018). <i>Advanced Materials</i> , 2018, 30, 1870256.	21.0	1
18	Bi-layer composites consisting of gold nanorods and titanium dioxide as highly sensitive and self-cleaning SERS substrates. <i>Mikrochimica Acta</i> , 2017, 184, 2805-2813.	5.0	19

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19	Periodic oscillation of ion conduction of nanofluidic diodes using a chemical oscillator. <i>Nanoscale</i> , 2017, 9, 7297-7304.	5.6	20
20	Graphene oxide/core-shell structured metal-organic framework nano-sandwiches and their derived cobalt/N-doped carbon nanosheets for oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10182-10189.	10.3	163
21	Preparation of nanoporous graphene oxide by nanocrystal-masked etching: toward a nacre-mimetic metal-organic framework molecular sieving membrane. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16255-16262.	10.3	42
22	Zeolitic Imidazolate Framework/Graphene Oxide Hybrid Nanosheets as Seeds for the Growth of Ultrathin Molecular Sieving Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2048-2052.	13.8	281
23	A Versatile Iron-Tannin Framework Ink Coating Strategy to Fabricate Biomass-Derived Iron Carbide/Fe-N-Carbon Catalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2016, 128, 1377-1381.	2.0	59
24	ZIF-derived nitrogen-doped carbon/3D graphene frameworks for all-solid-state supercapacitors. <i>RSC Advances</i> , 2016, 6, 76575-76581.	3.6	15
25	Hydrothermal Synthesis of Metal-Polyphenol Coordination Crystals and Their Derived Metal/N-doped Carbon Composites for Oxygen Electrocatalysis. <i>Angewandte Chemie</i> , 2016, 128, 12658-12662.	2.0	42
26	Hydrothermal Synthesis of Metal-Polyphenol Coordination Crystals and Their Derived Metal/N-doped Carbon Composites for Oxygen Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12470-12474.	13.8	178
27	Zeolitic Imidazolate Framework/Graphene Oxide Hybrid Nanosheets as Seeds for the Growth of Ultrathin Molecular Sieving Membranes. <i>Angewandte Chemie</i> , 2016, 128, 2088-2092.	2.0	70
28	A Versatile Iron-Tannin Framework Ink Coating Strategy to Fabricate Biomass-Derived Iron Carbide/Fe-N-Carbon Catalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1355-1359.	13.8	216
29	Aqueous Phase Synthesis of ZIF-8 Membrane with Controllable Location on an Asymmetrically Porous Polymer Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6236-6244.	8.0	95
30	Porous diffusion dialysis membranes for rapid acid recovery. <i>Journal of Membrane Science</i> , 2016, 502, 76-83.	8.2	52
31	Electrocatalysts: Nitrogen-Doped Nanoporous Carbon/Graphene Nano-Sandwiches: Synthesis and Application for Efficient Oxygen Reduction (<i>Adv. Funct. Mater.</i> 36/2015). <i>Advanced Functional Materials</i> , 2015, 25, 5876-5876.	14.9	9
32	Nitrogen-Doped Nanoporous Carbon/Graphene Nano-Sandwiches: Synthesis and Application for Efficient Oxygen Reduction. <i>Advanced Functional Materials</i> , 2015, 25, 5768-5777.	14.9	384
33	A graphene-directed assembly route to hierarchically porous Co-N/C catalysts for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16867-16873.	10.3	151
34	MFI-type zeolite functional liquid phase sensor coated on the optical fiber end-face. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
35	Combined TiO ₂ membrane filtration and ozonation for efficient water treatment to enhance the reuse of wastewater. <i>Desalination and Water Treatment</i> , 2011, 34, 57-62.	1.0	14
36	Metal-organic framework membranes fabricated via reactive seeding. <i>Chemical Communications</i> , 2011, 47, 737-739.	4.1	350

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37	Dual function filtration and catalytic breakdown of organic pollutants in wastewater using ozonation with titania and alumina membranes. <i>Journal of Membrane Science</i> , 2011, 378, 61-72.	8.2	54