

Ying Wu

List of Publications by Year in descending order

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48
papers

2,109
citations

218592

26
h-index

233338

45
g-index

49
all docs

49
docs citations

49
times ranked

3331
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafine Tuning of the Aperture Size in Stiffened ZIF-8_Cm Frameworks with Mixed-Linker Strategy for Enhanced CO ₂ /CH ₄ Separation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 327-331.	7.2	215
2	A Lamellar MXene (Ti ₃ C ₂ T _x) / PSS Composite Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22265-22269.	7.2	117
3	Selective Adsorption of Ethane over Ethylene in PCN-245: Impacts of Interpenetrated Adsorbent. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8366-8373.	4.0	112
4	Aggregation-induced emission: the origin of lignin fluorescence. <i>Polymer Chemistry</i> , 2016, 7, 3502-3508.	1.9	72
5	Highly Efficient Inverted Perovskite Solar Cells With Sulfonated Lignin Doped PEDOT as Hole Extract Layer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12377-12383.	4.0	69
6	Innentitelbild: Fein-Tuning der Porengrößen in versteiften ZIF-8_Cm Gerüsten durch eine Mixed-Linker-Strategie für verbesserte permeative CO ₂ /CH ₄ -Trennung (Angew.) <i>Angewandte Chemie International Edition</i> , 2019, 58, 327-331.		
7	Effective Ligand Functionalization of Zirconium-Based Metal-Organic Frameworks for the Adsorption and Separation of Benzene and Toluene: A Multiscale Computational Study. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5775-5787.	4.0	63
8	A Review on the Origin of Synthetic Metal Radical: Singlet Open-Shell Radical Ground State?. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8579-8588.	1.5	60
9	Enhancing the Broad-Spectrum Adsorption of Lignin through Methoxyl Activation, Grafting Modification, and Reverse Self-Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15966-15973.	3.2	54
10	Efficiently Exploring Adsorption Space to Identify Privileged Adsorbents for Chemical Separations of a Diverse Set of Molecules. <i>ChemSusChem</i> , 2018, 11, 1567-1575.	3.6	50
11	Ultrahigh CO ₂ /CH ₄ and CO ₂ /N ₂ adsorption selectivities on a cost-effectively L-aspartic acid based metal-organic framework. <i>Chemical Engineering Journal</i> , 2019, 375, 122074.	6.6	50
12	Adsorptive Separation of Methanol/Acetone on Isostructural Series of Metal-Organic Frameworks M-BTC (M = Ti, Fe, Cu, Co, Ru, Mo): A Computational Study of Adsorption Mechanisms and Metal-Substitution Impacts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26930-26940.	4.0	49
13	Machine Learning-Driven Insights into Defects of Zirconium Metal-Organic Frameworks for Enhanced Ethane/Ethylene Separation. <i>Chemistry of Materials</i> , 2020, 32, 2986-2997.	3.2	44
14	Light Color Dihydroxybenzophenone Grafted Lignin with High UVA/UVB Absorbance Ratio for Efficient and Safe Natural Sunscreen. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17057-17068.	1.8	43
15	Unexpected fluorescent emission of graft sulfonated-acetone-formaldehyde lignin and its application as a dopant of PEDOT for high performance photovoltaic and light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5297-5306.	2.7	42
16	Improving CH ₄ /N ₂ selectivity within isomeric Al-based MOFs for the highly selective capture of coal-mine methane. <i>AIChE Journal</i> , 2020, 66, e16287.	1.8	42
17	Interface Engineering of a Compatible PEDOT Derivative Bilayer for High-Performance Inverted Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600948.	1.9	40
18	Selectively Trapping Ethane from Ethylene on Metal-Organic Framework MIL-53(Al)-FA. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8290-8295.	1.8	39

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19	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH_4 uptake by in situ ionic activation. <i>AIChE Journal</i> , 2020, 66, e16231.	1.8	39
20	Fluorescent pH-Sensing Probe Based on Biorefinery Wood Lignosulfonate and Its Application in Human Cancer Cell Bioimaging. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9592-9600.	2.4	36
21	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. <i>Chemical Engineering Science</i> , 2020, 220, 115636.	1.9	36
22	Efficient adsorptive separation of propene over propane through a pillar-layer cobalt-based metal-organic framework. <i>AIChE Journal</i> , 2020, 66, e16858.	1.8	34
23	A Lamellar MXene ($\text{Ti}_3\text{C}_2\text{T}_x$)/PSS Composite Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie</i> , 2021, 133, 22439-22443.	1.6	31
24	Moisture stability of ethane-selective Ni(II), Fe(III), Zr(IV)-based metal-organic frameworks. <i>AIChE Journal</i> , 2019, 65, e16616.	1.8	28
25	Sulfonated ethylenediamine-acetone-formaldehyde condensate: preparation, unconventional photoluminescence and aggregation enhanced emission. <i>RSC Advances</i> , 2016, 6, 51257-51263.	1.7	27
26	Highly Improved Efficiency of Deep-Blue Fluorescent Polymer Light-Emitting Device Based on a Novel Hole Interface Modifier with 1,3,5-Triazine Core. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26405-26413.	4.0	21
27	Enhanced Adsorption Performance of Aromatics on a Novel Chromium-Based MIL-101@Graphite Oxide Composite. <i>Energy & Fuels</i> , 2017, 31, 13985-13990.	2.5	20
28	Rapid Synthesis of Hierarchically Structured Multifunctional Metal-Organic Zeolites with Enhanced Volatile Organic Compounds Adsorption Capacity. <i>Industrial & Engineering Chemistry Research</i> , 0, , ,	1.8	19
29	Dual Template Preparation of MFI Zeolites with Tuning Catalytic Properties in Alkylation of Mesitylene with Benzyl Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2924-2932.	1.8	19
30	Fein-Tuning der Porengröße in versteiften ZIF-8 _{CM} -Gerüsten durch eine Mixed-Linker-Strategie für verbesserte permeative CO_2/CH_4 -Trennung. <i>Angewandte Chemie</i> , 2019, 131, 333-337.	1.6	18
31	Robust Nickel-Based Metal-Organic Framework for Highly Efficient Methane Purification and Capture. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4242-4250.	4.0	17
32	A new yttrium-based metal-organic framework for molecular sieving of propane from propylene with high propylene capacity. <i>AIChE Journal</i> , 2022, 68, .	1.8	17
33	Quantitative Predictions of Molecular Diffusion in Binary Mixed-Linker Zeolitic Imidazolate Frameworks Using Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5627-5638.	1.5	15
34	Ultrafast room-temperature synthesis of hierarchically porous metal-organic frameworks with high space-time yields. <i>CrystEngComm</i> , 2020, 22, 2675-2680.	1.3	15
35	Highly Efficient Capture of Postcombustion Generated CO_2 through a Copper-Based Metal-Organic Framework. <i>Energy & Fuels</i> , 2021, 35, 610-617.	2.5	14
36	High-Performance Selective CO_2 Capture on a Stable and Flexible Metal-Organic Framework via Discriminatory Gate-Opening Effect. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21089-21097.	4.0	14

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37	Mechanistic study on boron adsorption and isotopic separation with magnetic magnetite nanoparticles. <i>Journal of Materials Science</i> , 2021, 56, 4624-4640.	1.7	13
38	Room-Temperature Synthesis of $\text{Py}_3\text{@Cu}^{\text{II}}\text{BTC}$ with Enhanced Stability and Its Excellent Performance for Separation of Propylene/Propane. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6202-6209.	1.8	12
39	Tuning the adsorption and separation properties of noble gases and N_2 in CuBTC by ligand functionalization. <i>RSC Advances</i> , 2016, 6, 91093-91101.	1.7	11
40	Fe-Encapsulated ZSM-5 Zeolite with Nanosheet-Assembled Structure for the Selective Catalytic Reduction of NO_x with NH_3 . <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8592-8600.	1.8	11
41	Lattice-Gas Modeling of Adsorbate Diffusion in Mixed-Linker Zeolitic Imidazolate Frameworks: Effect of Local Imidazolate Ordering. <i>Langmuir</i> , 2017, 33, 6481-6491.	1.6	10
42	Development of Iron Encapsulated Hollow Beta Zeolites for Ammonia Selective Catalytic Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2914-2923.	1.8	10
43	Effect of electrostatic properties of IRMOFs on VOCs adsorption: a density functional theory study. <i>Adsorption</i> , 2014, 20, 777-788.	1.4	9
44	Effective enhancement on methanol adsorption in Cu-BTC by combination of lithium-doping and nitrogen-doping functionalization. <i>Journal of Materials Science</i> , 2018, 53, 6080-6093.	1.7	9
45	In Situ Fabrication of Hierarchical MTW Zeolite via Nanoparticle Assembly by a Tailored Simple Organic Molecule. <i>Chemistry - A European Journal</i> , 2018, 24, 8133-8140.	1.7	7
46	Separation of propylene and propane with pillar-layer metal-organic frameworks by exploiting thermodynamic-kinetic synergetic effect. <i>Chemical Engineering Journal</i> , 2022, 431, 133284.	6.6	7
47	A cobalt-based metal-organic framework for efficient separation of propene from propane via electrostatic effect. <i>AIChE Journal</i> , 2022, 68, .	1.8	6
48	Fine-Tuned Hierarchical Architecture of MWW Zeolites for Highly Efficient Alkylation via Suitable Accommodation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13932-13939.	1.8	5