

Jia-Rui Wu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,779
citations

279798

23
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Assembly-Induced Emission Enhancement for Efficient Mercury(II) Detection and Removal. <i>Journal of the American Chemical Society</i> , 2019, 141, 4756-4763.	13.7	304
2	Desymmetrized Leaning Pillar[6]arene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9853-9858.	13.8	131
3	Geminiarene: Molecular Scale Dual Selectivity for Chlorobenzene and Chlorocyclohexane Fractionation. <i>Journal of the American Chemical Society</i> , 2019, 141, 12280-12287.	13.7	121
4	Synthetic Macrocyclic-Based Nonporous Adaptive Crystals for Molecular Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1690-1701.	13.8	121
5	New opportunities in synthetic macrocyclic arenes. <i>Chemical Communications</i> , 2019, 55, 1533-1543.	4.1	119
6	Macrocyclic Arenes-Based Conjugated Macrocyclic Polymers for Highly Selective CO ₂ Capture and Iodine Adsorption. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8967-8975.	13.8	119
7	Multifunctional Supramolecular Materials Constructed from Polypyrrole@UiO-66 Nanohybrids and Pillararene Nanovalves for Targeted Chemophotothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34655-34663.	8.0	105
8	Separation of Bromoalkanes Isomers by Nonporous Adaptive Crystals of Leaning Pillar[6]arene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2251-2255.	13.8	105
9	A triple-stimuli responsive hormone delivery system equipped with pillararene magnetic nanovalves. <i>Materials Chemistry Frontiers</i> , 2019, 3, 103-110.	5.9	68
10	In Situ Gold Nanoparticle Synthesis Mediated by a Water-Soluble Leaning Pillar[6]arene for Self-Assembly, Detection, and Catalysis. <i>Organic Letters</i> , 2019, 21, 5215-5218.	4.6	52
11	Bottom-Up Solid-State Molecular Assembly via Guest-Induced Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 20395-20402.	13.7	47
12	A color-tunable fluorescent pillararene coordination polymer for efficient pollutant detection. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3651-3657.	10.3	43
13	Desymmetrized Leaning Pillar[6]arene. <i>Angewandte Chemie</i> , 2018, 130, 10001-10006.	2.0	38
14	One-pot solvothermal synthesis of Carboxylatopillar[5]arene-modified Fe ₃ O ₄ magnetic nanoparticles for ultrafast separation of cationic dyes. <i>Dyes and Pigments</i> , 2019, 162, 512-516.	3.7	37
15	Mesoporous silica nanobeans dual-functionalized with AlEgens and leaning pillar[6]arene-based supramolecular switches for imaging and stimuli-responsive drug release. <i>Chemical Communications</i> , 2019, 55, 14099-14102.	4.1	36
16	High-Performance n-Hexane Purification by Nonporous Adaptive Crystals of Leaning Pillar[6]arene. <i>CCS Chemistry</i> , 2021, 3, 836-843.	7.8	34
17	Stimuli-responsive fluorescent supramolecular polymer network based on a monofunctionalized leaning tower[6]arene. <i>Chinese Chemical Letters</i> , 2019, 30, 2299-2303.	9.0	33
18	Construction of Hydrazone-Linked Macrocyclic-Enriched Covalent Organic Frameworks for Highly Efficient Photocatalysis. <i>Chemistry of Materials</i> , 2022, 34, 5726-5739.	6.7	33

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19	A Water-Soluble [2]Biphenyl-Extended Pillar[6]arene. European Journal of Organic Chemistry, 2018, 2018, 1321-1325.	2.4	30
20	Enantioselective Synthesis of Quaternary Carbon Stereocenters by Asymmetric Allylic Alkylation: A Review. Chemistry - an Asian Journal, 2021, 16, 1864-1877.	3.3	30
21	Separation of Bromoalkanes Isomers by Nonporous Adaptive Crystals of Leaning Pillar[6]arene. Angewandte Chemie, 2020, 132, 2271-2275.	2.0	29
22	Guest-induced amorphous-to-crystalline transformation enables sorting of haloalkane isomers with near-perfect selectivity. Science Advances, 2022, 8, .	10.3	29
23	Macrocyclic Arenes-Based Conjugated Macrocyclic Polymers for Highly Selective CO ₂ Capture and Iodine Adsorption. Angewandte Chemie, 2021, 133, 9049-9057.	2.0	24
24	Recyclable Supramolecular Assembly-Induced Emission System for Selective Detection and Efficient Removal of Mercury(II). Chemistry - A European Journal, 2021, 27, 11879-11887.	3.3	22
25	Semi-Rigid Molecular-Clip-Based Molecular Crystal Gearshift. ACS Applied Materials & Interfaces, 2019, 11, 998-1003.	8.0	21
26	Elongated-Geminiarene: Syntheses, Solid-State Conformational Investigations, and Application in Aromatics/Cyclic Aliphatics Separation. Small, 2020, 16, 2003490.	10.0	18
27	Synthetic Macrocyclic-Based Nonporous Adaptive Crystals for Molecular Separation. Angewandte Chemie, 2021, 133, 1714-1725.	2.0	15
28	High-Performance Functional Fe-MOF for Removing Aflatoxin B1 and Other Organic Pollutants. Advanced Materials Interfaces, 2022, 9, .	3.7	14
29	Emerging Macrocyclic Arenes Related to Calixarenes and Pillararenes. , 2019, , 1-19.		1
30	Emerging Macrocyclic Arenes Related to Calixarenes and Pillararenes. , 2020, , 181-199.		0