Wei-Bo Hu

List of Publications by Year
in descending order

34	1,078	430874 18	414414 32
papers	citations	h-index	g-index

36	36	36	1153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thiazolo[5,4â€d]thiazoleâ€Based Donorâ€“Acceptor Covalent Organic Framework for Sunlightâ€Driven Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 1869-1874.	13.8	186
2	Covalent Triazine Framework Confined Copper Catalysts for Selective Electrochemical CO₂ Reduction: Operando Diagnosis of Active Sites. ACS Catalysis, 2020, 10, 4534-4542.	11.2	112
3	BiVO4 nanocrystals with controllable oxygen vacancies induced by Zn-doping coupled with graphene quantum dots for enhanced photoelectrochemical water splitting. Chemical Engineering Journal, 2019, 372, 399-407.	12.7	102
4	A pillar[5]arene and crown ether fused bicyclic host: synthesis, guest discrimination and simultaneous binding of two guests with different shapes, sizes and electronic constitutions. Chemical Communications, 2014, 50, 10460-10463.	4.1	70
5	Polyvinyl alcohol-modified gold nanoparticles with record-high activity for electrochemical reduction of CO2 to CO. Journal of CO2 Utilization, 2019, 34, 108-114.	6.8	46
6	A1/A2-Diamino-Substituted Pillar[5]arene-Based Acidâ€“Base-Responsive Hostâ€“Guest System. Journal of Organic Chemistry, 2016, 81, 3877-3881.	3.2	45
7	Multicavity macrocyclic hosts. Chemical Communications, 2016, 52, 12130-12142.	4.1	45
8	A [2]rota[2]catenane, constructed from a pillar[5]arene-crown ether fused double-cavity macrocycle: synthesis and structural characterization. Chemical Communications, 2015, 51, 13882-13885.	4.1	40
9	Negative Cooperativity in the Binding of Imidazolium and Viologen Ions to a Pillar[5]arene-Crown Ether Fused Host. Organic Letters, 2015, 17, 2940-2943.	4.6	33
10	Covalent Triazine-Based Polymers with Controllable Band Alignment Matched with BiVO₄ To Boost Photogeneration of Holes for Water Splitting. Chemistry of Materials, 2019, 31, 8062-8068.	6.7	33
11	Synthesis of Pillar[n]arene[5â€n]quinines via Partial Oxidation of Pillar[5]arene. Chinese Journal of Chemistry, 2015, 33, 379-383.	4.9	29
12	Guest-regulated chirality switching of planar chiral pseudo[1]catenanes. Organic and Biomolecular Chemistry, 2018, 16, 2028-2032.	2.8	27
13	Thiazolo[5,4â€d]thiazoleâ€Based Donorâ€“Acceptor Covalent Organic Framework for Sunlightâ€Driven Hydrogen Evolution. Angewandte Chemie, 2021, 133, 1897-1902.	2.0	27
14	Highly Branched Pillar[5]arene-Derived Porous Aromatic Frameworks (PAFs) for Removal of Organic Pollutants from Water. ACS Applied Materials & Interfaces, 2021, 13, 16507-16515.	8.0	27
15	Pillar[5]arene based conjugated macrocycle polymers with unique photocatalytic selectivity. Chinese Chemical Letters, 2020, 31, 3225-3229.	9.0	26
16	Design of Thiazolo[5,4-d]thiazole-Bridged Ionic Covalent Organic Polymer for Highly Selective Oxygen Reduction to H₂O₂. Chemistry of Materials, 2020, 32, 8553-8560.	6.7	23
17	Selectivity and Cooperativity in the Binding of Multiple Guests to a Pillar[5]areneâ€“Crown Ether Fused Tricyclic Host. Journal of Organic Chemistry, 2015, 80, 7994-8000.	3.2	21
18	Direct synthesis of covalent triazine-based frameworks (CTFs) through aromatic nucleophilic substitution reactions. RSC Advances, 2019, 9, 18008-18012.	3.6	21

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19	A Pillar[5]arene Conjugated Polymer for Removal of Low-Molecular-Weight Organic Acids, Amines, and Alcohols from Water. ACS Applied Polymer Materials, 2020, 2, 5566-5573.	4.4	18
20	Engineering a pillar[5]arene-based supramolecular organic framework by a co-crystallization method. Dalton Transactions, 2018, 47, 5144-5148.	3.3	17
21	Switching the Oxygen Reduction Reaction Pathway via Tailoring the Electronic Structure of FeN₄/C Catalysts. ACS Catalysis, 2021, 11, 13020-13027.	11.2	17
22	A Triazineâ€Based Analogue of Graphyne: Scalable Synthesis and Applications in Photocatalytic Dye Degradation and Bacterial Inactivation. Chemistry - A European Journal, 2020, 26, 2269-2275.	3.3	16
23	Pillar[5]arene-Py-Cu Gel, the First Pillar[5]arene-Based Metallo(organo)gel, and Adsorption of Sudan III by Its Gel-Precipitate. European Journal of Inorganic Chemistry, 2017, 2017, 3551-3554.	2.0	15
24	Highly dispersive trace silver decorated Cu/Cu2O composites boosting electrochemical CO2 reduction to ethanol. Journal of CO2 Utilization, 2021, 52, 101698.	6.8	15
25	Electrochemical Reduction of CO₂ to HCOOH over Copper Catalysts. ACS Applied Materials & Interfaces, 2021, 13, 57462-57469.	8.0	12
26	Application of Electronâ€Rich Covalent Organic Frameworks COFâ€JLU25 for Photocatalytic Aerobic Oxidative Hydroxylation of Arylboronic Acids to Phenols. European Journal of Organic Chemistry, 2021, 2021, 3986-3991.	2.4	10
27	ortho-Functionalization of Pillar[5]arene: An Approach to Mono-ortho-Alkyl/Aryl-Substituted A1/A2-Dihydroxypillar[5]arene. Organic Letters, 2022, 24, 1822-1826.	4.6	10
28	A Diaminopillar[5]areneâ€Based Macrobicyclic Molecule: Synthesis, Characterization and A Lockâ€"Key Story. Chemistry - A European Journal, 2019, 25, 2189-2194.	3.3	8
29	Systematic rim cyano-functionalization of pillar[5]arene and corresponding hostâ€"guest property varieties. Organic and Biomolecular Chemistry, 2019, 17, 4600-4604.	2.8	8
30	Unidirectional complexation of pillar[4]arene[1]benzoquinoneoxime with alkyl alcohols. Organic and Biomolecular Chemistry, 2019, 17, 4975-4978.	2.8	7
31	Pillar[5]arene-Derived endo-Functionalized Molecular Tube for Mimicking Proteinâ€"Ligand Interactions. Journal of Organic Chemistry, 2021, 86, 6467-6477.	3.2	7
32	s-Tetrazine-Bridged Photochromic Aromatic Framework Material. ACS Omega, 2022, 7, 11276-11284.	3.5	2
33	A facile method for the synthesis of free-standing pillar[5]arene-based two-dimensional covalent organic monolayers in solution. Supramolecular Chemistry, 2020, 32, 126-132.	1.2	1
34	Titelbild: Thiazolo[5,4â€d]thiazoleâ€Based Donorâ€"Acceptor Covalent Organic Framework for Sunlightâ€Driven Hydrogen Evolution (Angew. Chem. 4/2021). Angewandte Chemie, 2021, 133, 1685-1685.	2.0	0