

Ke Wen

List of Publications by Year in descending order

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35
papers

1,140
citations

393982

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395343

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36
all docs

36
docs citations

36
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiazolo[5,4- <i>d</i>]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1869-1874.	7.2	186
2	Covalent Triazine Framework Confined Copper Catalysts for Selective Electrochemical CO ₂ Reduction: Operando Diagnosis of Active Sites. <i>ACS Catalysis</i> , 2020, 10, 4534-4542.	5.5	112
3	BiVO ₄ nanocrystals with controllable oxygen vacancies induced by Zn-doping coupled with graphene quantum dots for enhanced photoelectrochemical water splitting. <i>Chemical Engineering Journal</i> , 2019, 372, 399-407.	6.6	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. <i>Chemical Communications</i> , 2014, 50, 10460-10463.	2.2	70
5	Highly effective electrosynthesis of hydrogen peroxide from oxygen on a redox-active cationic covalent triazine network. <i>Chemical Communications</i> , 2018, 54, 4433-4436.	2.2	55
6	Polyvinyl alcohol-modified gold nanoparticles with record-high activity for electrochemical reduction of CO ₂ to CO. <i>Journal of CO₂ Utilization</i> , 2019, 34, 108-114.	3.3	46
7	A1/A2-Diamino-Substituted Pillar[5]arene-Based Acid-Base-Responsive Host-Guest System. <i>Journal of Organic Chemistry</i> , 2016, 81, 3877-3881.	1.7	45
8	Multicavity macrocyclic hosts. <i>Chemical Communications</i> , 2016, 52, 12130-12142.	2.2	45
9	A [2]rota[2]catenane, constructed from a pillar[5]arene-crown ether fused double-cavity macrocycle: synthesis and structural characterization. <i>Chemical Communications</i> , 2015, 51, 13882-13885.	2.2	40
10	Negative Cooperativity in the Binding of Imidazolium and Viologen Ions to a Pillar[5]arene-Crown Ether Fused Host. <i>Organic Letters</i> , 2015, 17, 2940-2943.	2.4	33
11	Covalent Triazine-Based Polymers with Controllable Band Alignment Matched with BiVO ₄ To Boost Photogeneration of Holes for Water Splitting. <i>Chemistry of Materials</i> , 2019, 31, 8062-8068.	3.2	33
12	Synthesis of Pillar[5]arene[5 ⁿ]quinines via Partial Oxidation of Pillar[5]arene. <i>Chinese Journal of Chemistry</i> , 2015, 33, 379-383.	2.6	29
13	Guest-regulated chirality switching of planar chiral pseudo[1]catenanes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2028-2032.	1.5	27
14	Thiazolo[5,4- <i>d</i>]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 1897-1902.	1.6	27
15	Highly Branched Pillar[5]arene-Derived Porous Aromatic Frameworks (PAFs) for Removal of Organic Pollutants from Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16507-16515.	4.0	27
16	Pillar[5]arene based conjugated macrocycle polymers with unique photocatalytic selectivity. <i>Chinese Chemical Letters</i> , 2020, 31, 3225-3229.	4.8	26
17	Design of Thiazolo[5,4- <i>d</i>]thiazole-Bridged Ionic Covalent Organic Polymer for Highly Selective Oxygen Reduction to H ₂ O ₂ . <i>Chemistry of Materials</i> , 2020, 32, 8553-8560.	3.2	23
18	Selectivity and Cooperativity in the Binding of Multiple Guests to a Pillar[5]arene-Crown Ether Fused Tricyclic Host. <i>Journal of Organic Chemistry</i> , 2015, 80, 7994-8000.	1.7	21

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19	Direct synthesis of covalent triazine-based frameworks (CTFs) through aromatic nucleophilic substitution reactions. RSC Advances, 2019, 9, 18008-18012.	1.7	21
20	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.	2.0	18
21	Engineering a pillar[5]arene-based supramolecular organic framework by a co-crystallization method. Dalton Transactions, 2018, 47, 5144-5148.	1.6	17
22	A Triazine-Based Analogue of Graphyne: Scalable Synthesis and Applications in Photocatalytic Dye Degradation and Bacterial Inactivation. Chemistry - A European Journal, 2020, 26, 2269-2275.	1.7	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.	1.0	15
24	Resolution and Racemization of a Planar-Chiral A1/A2-Disubstituted Pillar[5]arene. Symmetry, 2019, 11, 773.	1.1	15
25	Highly dispersive trace silver decorated Cu/Cu ₂ O composites boosting electrochemical CO ₂ reduction to ethanol. Journal of CO ₂ Utilization, 2021, 52, 101698.	3.3	15
26	Electrochemical Reduction of CO ₂ to HCOOH over Copper Catalysts. ACS Applied Materials & Interfaces, 2021, 13, 57462-57469.	4.0	12
27	Bis- and mono(m-benzoic acid)-functionalized pillar[5]arenes. Organic and Biomolecular Chemistry, 2017, 15, 4897-4900.	1.5	10
28	Application of Electron-Rich Covalent Organic Frameworks COF-LU25 for Photocatalytic Aerobic Oxidative Hydroxylation of Arylboronic Acids to Phenols. European Journal of Organic Chemistry, 2021, 2021, 3986-3991.	1.2	10
29	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.	2.4	10
30	A Diaminopillar[5]arene-Based Macrobicyclic Molecule: Synthesis, Characterization and A Lock-Key Story. Chemistry - A European Journal, 2019, 25, 2189-2194.	1.7	8
31	Systematic rim cyano-functionalization of pillar[5]arene and corresponding host-guest property varieties. Organic and Biomolecular Chemistry, 2019, 17, 4600-4604.	1.5	8
32	Unidirectional complexation of pillar[4]arene[1]benzoquinoneoxime with alkyl alcohols. Organic and Biomolecular Chemistry, 2019, 17, 4975-4978.	1.5	7
33	Pillar[5]arene-Derived endo-Functionalized Molecular Tube for Mimicking Protein-Ligand Interactions. Journal of Organic Chemistry, 2021, 86, 6467-6477.	1.7	7
34	s-Tetrazine-Bridged Photochromic Aromatic Framework Material. ACS Omega, 2022, 7, 11276-11284.	1.6	2
35	Titelbild: Thiazolo[5,4-d]thiazole-Based Donor-Acceptor Covalent Organic Framework for Sunlight-Driven Hydrogen Evolution (Angew. Chem. 4/2021). Angewandte Chemie, 2021, 133, 1685-1685.	1.6	0