Xinchen Kang

List of Publications by Year
in descending order

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47	2,622	236612	243296
papers	citations	25 h-index	44 g-index

49	49	49	3631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CuCl2è¯±å¯¼å'ªå"'ç¦»åæ¶²ä½"æ°´å‡èƒ¶çš„ç›¸å•. Scientia Sinica Chimica, 2022, , .	0.2	0
2	Observation of oxygen evolution over a {Ni12}-cluster-based metal-organic framework. Science China Chemistry, 2022, 65, 1088-1093.	4.2	11
3	Efficient Photocatalytic Reduction of CO ₂ Catalyzed by the Metalâ€"Organic Framework MFM-300(Ga). CCS Chemistry, 2022, 4, 2560-2569.	4.6	9
4	Ultra-thin g-C₃N₄/MFM-300(Fe) heterojunctions for photocatalytic aerobic oxidation of benzylic carbon centers. Materials Advances, 2021, 2, 5144-5149.	2.6	6
5	The Impact of Structural Defects on Iodine Adsorption in UiO-66. Chemistry, 2021, 3, 525-531.	0.9	15
6	The Origin of Catalytic Benzylic Câ^'H Oxidation over a Redoxâ€Active Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2021, 60, 15243-15247.	7.2	15
7	The Origin of Catalytic Benzylic Câ^'H Oxidation over a Redoxâ€Active Metalâ€"Organic Framework. Angewandte Chemie, 2021, 133, 15371-15375.	1.6	0
8	Purification of Propylene and Ethylene by a Robust Metalâ€"Organic Framework Mediated by Hostâ€"Guest Interactions. Angewandte Chemie, 2021, 133, 15669-15675.	1.6	11
9	Purification of Propylene and Ethylene by a Robust Metalâ€"Organic Framework Mediated by Hostâ€"Guest Interactions. Angewandte Chemie - International Edition, 2021, 60, 15541-15547.	7.2	51
10	Synthesis of hierarchical porous Prussian blue analogues in partially miscible ionic liquid/ethanol solution near the phase boundary. New Journal of Chemistry, 2021, 45, 1790-1794.	1.4	1
11	Quantitative Electro-Reduction of CO₂ to Liquid Fuel over Electro-Synthesized Metalâ€"Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 17384-17392.	6.6	73
12	Electro-reduction of carbon dioxide at low over-potential at a metalâ€"organic framework decorated cathode. Nature Communications, 2020, 11, 5464.	5.8	62
13	Carbon dioxide electroreduction to C2 products over copper-cuprous oxide derived from electrosynthesized copper complex. Nature Communications, 2019, 10, 3851.	5.8	288
14	Integration of mesopores and crystal defects in metal-organic frameworks via templated electrosynthesis. Nature Communications, 2019, 10, 4466.	5.8	90
15	<i>In situ</i>synthesis of sub-nanometer metal particles on hierarchically porous metalâ€"organic frameworks<i>via</i>interfacial control for highly efficient catalysis. Chemical Science, 2018, 9, 1339-1343.	3.7	28
16	Salt-mediated synthesis of bimetallic networks with structural defects and their enhanced catalytic performances. Chemical Communications, 2018, 54, 12065-12068.	2.2	5
17	Switching chirality in the assemblies of bio-based amphiphiles solely by varying their alkyl chain length. Chemical Communications, 2017, 53, 2162-2165.	2.2	12
18	Design of a Cu(<scp>i</scp>)/C-doped boron nitride electrocatalyst for efficient conversion of CO₂into acetic acid. Green Chemistry, 2017, 19, 2086-2091.	4.6	91

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19	CO₂/Water Emulsions Stabilized by Partially Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2017, 9, 17613-17619.	4.0	10
20	N,N-Dimethylation of nitrobenzenes with CO₂ and water by electrocatalysis. Chemical Science, 2017, 8, 5669-5674.	3.7	19
21	Synthesis of Hierarchical Porous Metals Using Ionicâ€Liquidâ€Based Media as Solvent and Template. Angewandte Chemie, 2017, 129, 12857-12860.	1.6	0
22	Synthesis of Hierarchical Porous Metals Using Ionicâ€Liquidâ€Based Media as Solvent and Template. Angewandte Chemie - International Edition, 2017, 56, 12683-12686.	7.2	31
23	Efficient Reduction of CO₂ into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. Angewandte Chemie, 2016, 128, 9158-9162.	1.6	56
24	Molybdenumâ€“Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. Angewandte Chemie - International Edition, 2016, 55, 6771-6775.	7.2	225
25	Synthesis of Supported Ultrafine Nonâ€noble Subnanometerâ€Scale Metal Particles Derived from Metalâ€“Organic Frameworks as Highly Efficient Heterogeneous Catalysts. Angewandte Chemie - International Edition, 2016, 55, 1080-1084.	7.2	69
26	Synthesis of Functional Nanomaterials in Ionic Liquids. Advanced Materials, 2016, 28, 1011-1030.	11.1	129
27	Efficient Reduction of CO₂ into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. Angewandte Chemie - International Edition, 2016, 55, 9012-9016.	7.2	202
28	Synthesis of Supported Ultrafine Nonâ€noble Subnanometerâ€Scale Metal Particles Derived from Metalâ€“Organic Frameworks as Highly Efficient Heterogeneous Catalysts. Angewandte Chemie, 2016, 128, 1092-1096.	1.6	15
29	Molybdenumâ€“Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. Angewandte Chemie, 2016, 128, 6883-6887.	1.6	55
30	Electrochemical reduction of CO2 to CO using graphene oxide/carbon nanotube electrode in ionic liquid/acetonitrile system. Science China Chemistry, 2016, 59, 551-556.	4.2	48
31	Metalâ€“Organic Framework for Emulsifying Carbon Dioxide and Water. Angewandte Chemie, 2016, 128, 11544-11548.	1.6	8
32	Metalâ€“Organic Framework for Emulsifying Carbon Dioxide and Water. Angewandte Chemie - International Edition, 2016, 55, 11372-11376.	7.2	36
33	Formation of large nanodomains in liquid solutions near the phase boundary. Chemical Communications, 2016, 52, 14286-14289.	2.2	6
34	Very highly efficient reduction of CO₂to CH₄using metal-free N-doped carbon electrodes. Chemical Science, 2016, 7, 2883-2887.	3.7	183
35	Synthesis of hierarchical porous Î²-FeOOH catalysts in ionic liquid/water/CH2Cl2 ionogels. Chemical Communications, 2016, 52, 4687-4690.	2.2	6
36	Synthesis of hierarchical mesoporous Prussian blue analogues in ionic liquid/water/MgCl₂ and application in electrochemical reduction of CO₂. Green Chemistry, 2016, 18, 1869-1873.	4.6	22

#	Article	IF	Citations
37	Highly efficient electrochemical reduction of CO₂ to CH₄ in an ionic liquid using a metalâ€“organic framework cathode. Chemical Science, 2016, 7, 266-273.	3.7	225
38	Synthesizing Ag Nanoparticles of Small Size on a Hierarchical Porosity Support for the Carboxylative Cyclization of Propargyl Alcohols with CO₂ under Ambient Conditions. Chemistry - A European Journal, 2015, 21, 15924-15928.	1.7	66
39	Gas promotes the crystallization of nano-sized metalâ€“organic frameworks in ionic liquid. Chemical Communications, 2015, 51, 11445-11448.	2.2	28
40	One-pot conversion of carbohydrates into gamma-valerolactone catalyzed by highly cross-linked ionic liquid polymer and Co/TiO₂. RSC Advances, 2015, 5, 15267-15273.	1.7	47
41	Mesoporous inorganic salts with crystal defects: unusual catalysts and catalyst supports. Chemical Science, 2015, 6, 1668-1675.	3.7	32
42	Room-temperature synthesis of mesoporous CuO and its catalytic activity for cyclohexene oxidation. RSC Advances, 2015, 5, 67168-67174.	1.7	24
43	Hierarchical macro- and mesoporous assembly of metal oxide nanoparticles derived from metal-organic complex. Microporous and Mesoporous Materials, 2015, 217, 6-11.	2.2	2
44	CO2as a smart gelator for Pluronic aqueous solutions. Chemical Communications, 2014, 50, 14233-14236.	2.2	2
45	One-Step Synthesis of Highly Efficient Nanocatalysts on the Supports with Hierarchical Pores Using Porous Ionic Liquid-Water Gel. Journal of the American Chemical Society, 2014, 136, 3768-3771.	6.6	95
46	Reversible Capture of SO₂ through Functionalized Ionic Liquids. ChemSusChem, 2013, 6, 1191-1195.	3.6	131
47	Shape and Size Controlled Synthesis of MOF Nanocrystals with the Assistance of Ionic Liquid Mircoemulsions. Langmuir, 2013, 29, 13168-13174.	1.6	82