Xinchen Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7464791/publications.pdf

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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	Carbon dioxide electroreduction to C2 products over copper-cuprous oxide derived from electrosynthesized copper complex. Nature Communications, 2019, 10, 3851.	5.8	288
2	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
3	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
4	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
5	Very highly efficient reduction of CO₂to CH₄using metal-free N-doped carbon electrodes. Chemical Science, 2016, 7, 2883-2887.	3.7	183
6	Reversible Capture of SO₂ through Functionalized Ionic Liquids. ChemSusChem, 2013, 6, 1191-1195.	3.6	131
7	Synthesis of Functional Nanomaterials in Ionic Liquids. Advanced Materials, 2016, 28, 1011-1030.	11.1	129
8	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
9	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
10	Integration of mesopores and crystal defects in metal-organic frameworks via templated electrosynthesis. Nature Communications, 2019, 10, 4466.	5.8	90
11	Shape and Size Controlled Synthesis of MOF Nanocrystals with the Assistance of Ionic Liquid Mircoemulsions. Langmuir, 2013, 29, 13168-13174.	1.6	82
12	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
13	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
14	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
15	Electro-reduction of carbon dioxide at low over-potential at a metalâ€“organic framework decorated cathode. Nature Communications, 2020, 11, 5464.	5.8	62
16	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
17	Molybdenumâ€“Bismuth Bimetallic Chalcogenide Nanosheets for Highly Efficient Electrocatalytic Reduction of Carbon Dioxide to Methanol. Angewandte Chemie, 2016, 128, 6883-6887.	1.6	55
18	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

#	Article	IF	Citations
19	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
20	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
21	Metalâ€“Organic Framework for Emulsifying Carbon Dioxide and Water. Angewandte Chemie - International Edition, 2016, 55, 11372-11376.	7.2	36
22	Mesoporous inorganic salts with crystal defects: unusual catalysts and catalyst supports. Chemical Science, 2015, 6, 1668-1675.	3.7	32
23	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
24	Gas promotes the crystallization of nano-sized metalâ€“organic frameworks in ionic liquid. Chemical Communications, 2015, 51, 11445-11448.	2.2	28
25	In situsynthesis of sub-nanometer metal particles on hierarchically porous metalâ€“organic frameworksviainterfacial control for highly efficient catalysis. Chemical Science, 2018, 9, 1339-1343.	3.7	28
26	Room-temperature synthesis of mesoporous CuO and its catalytic activity for cyclohexene oxidation. RSC Advances, 2015, 5, 67168-67174.	1.7	24
27	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
28	N,N-Dimethylation of nitrobenzenes with CO₂ and water by electrocatalysis. Chemical Science, 2017, 8, 5669-5674.	3.7	19
29	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
30	The Impact of Structural Defects on Iodine Adsorption in UiO-66. Chemistry, 2021, 3, 525-531.	0.9	15
31	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
32	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
33	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
34	Observation of oxygen evolution over a {Ni12}-cluster-based metal-organic framework. Science China Chemistry, 2022, 65, 1088-1093.	4.2	11
35	CO₂/Water Emulsions Stabilized by Partially Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2017, 9, 17613-17619.	4.0	10
36	Efficient Photocatalytic Reduction of CO ₂ Catalyzed by the Metalâ€“Organic Framework MFM-300(Ga). CCS Chemistry, 2022, 4, 2560-2569.	4.6	9

#	Article	IF	Citations
37	Metalâ€“Organic Framework for Emulsifying Carbon Dioxide and Water. Angewandte Chemie, 2016, 128, 11544-11548.	1.6	8
38	Formation of large nanodomains in liquid solutions near the phase boundary. Chemical Communications, 2016, 52, 14286-14289.	2.2	6
39	Synthesis of hierarchical porous Î²-FeOOH catalysts in ionic liquid/water/CH2Cl2 ionogels. Chemical Communications, 2016, 52, 4687-4690.	2.2	6
40	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
41	Salt-mediated synthesis of bimetallic networks with structural defects and their enhanced catalytic performances. Chemical Communications, 2018, 54, 12065-12068.	2.2	5
42	CO2as a smart gelator for Pluronic aqueous solutions. Chemical Communications, 2014, 50, 14233-14236.	2.2	2
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	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
45	Synthesis of Hierarchical Porous Metals Using Ionicâ€Liquidâ€Based Media as Solvent and Template. Angewandte Chemie, 2017, 129, 12857-12860.	1.6	0
46	The Origin of Catalytic Benzylic Câ¯H Oxidation over a Redoxâ€Active Metalâ€“Organic Framework. Angewandte Chemie, 2021, 133, 15371-15375.	1.6	0
47	CuCl2è¯±å¯¼å³°å”‘ç¦»åæ¶²ä½“æº´å‡èƒ¶çš„ç›¸å›. Scientia Sinica Chimica, 2022, , .	0.2	0