Qing-Song Chen

List of Publications by Year
in descending order

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33 papers	1,847 citations	304368 22 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	2483 citing authors

#	Article	IF	Citations
1	High-Performance and Long-Lived Cu/SiO₂ Nanocatalyst for CO₂ Hydrogenation. ACS Catalysis, 2015, 5, 4255-4259.	5.5	200
2	The potential of zero total charge of Pt nanoparticles and polycrystalline electrodes with different surface structure: The role of anion adsorption in fundamental electrocatalysis. Electrochimica Acta, 2010, 55, 7982-7994.	2.6	171
3	High-Performance and Long-Lived Pd Nanocatalyst Directed by Shape Effect for CO Oxidative Coupling to Dimethyl Oxalate. ACS Catalysis, 2013, 3, 118-122.	5.5	138
4	Photochromism and Photomagnetism of a 3dâ€“4f Hexacyanoferrate at Room Temperature. Journal of the American Chemical Society, 2015, 137, 10882-10885.	6.6	135
5	Significantly Enhancing Catalytic Activity of Tetrahexahedral Pt Nanocrystals by Bi Adatom Decoration. Journal of the American Chemical Society, 2011, 133, 12930-12933.	6.6	132
6	Review on the synthesis of dimethyl carbonate. Catalysis Today, 2018, 316, 2-12.	2.2	124
7	Screw-like PdPt nanowires as highly efficient electrocatalysts for methanol and ethylene glycol oxidation. Journal of Materials Chemistry A, 2018, 6, 2327-2336.	5.2	117
8	Role of surface defect sites: from Pt model surfaces to shape-controlled nanoparticles. Chemical Science, 2012, 3, 136-147.	3.7	109
9	Enhanced Stability of Pd/ZnO Catalyst for CO Oxidative Coupling to Dimethyl Oxalate: Effect of Mg²⁺ Doping. ACS Catalysis, 2015, 5, 4410-4417.	5.5	84
10	An ultra-low Pd loading nanocatalyst with high activity and stability for CO oxidative coupling to dimethyl oxalate. Chemical Communications, 2013, 49, 5718.	2.2	54
11	MgO: an excellent catalyst support for CO oxidative coupling to dimethyl oxalate. Catalysis Science and Technology, 2014, 4, 1925-1930.	2.1	52
12	CoPt nanoparticles and their catalytic properties in electrooxidation of CO and CH3OH studied by in situ FTIRS. Physical Chemistry Chemical Physics, 2008, 10, 3645.	1.3	47
13	Specific reactivity of step sites towards CO adsorption and oxidation on platinum single crystals vicinal to Pt(111). Physical Chemistry Chemical Physics, 2010, 12, 11407.	1.3	45
14	Manipulating the concavity of rhodium nanocubes enclosed by high-index facets via site-selective etching. Chemical Communications, 2014, 50, 1662-1664.	2.2	44
15	Oxygen vacancies enriched Bi based catalysts for enhancing electrocatalytic CO2 reduction to formate. Electrochimica Acta, 2021, 367, 137478.	2.6	36
16	Effects of the surface mobility on the oxidation of adsorbed CO on platinum electrodes in alkaline media. The role of the adlayer and surface defects. Physical Chemistry Chemical Physics, 2011, 13, 16762.	1.3	34
17	One-step electrochemical synthesis of preferentially oriented (111) Pd nanocrystals supported on graphene nanoplatelets for formic acid electrooxidation. Journal of Power Sources, 2015, 282, 471-478.	4.0	33
18	Electrochemical preparation of iron cuboid nanoparticles and their catalytic properties for nitrite reduction. Electrochimica Acta, 2008, 53, 6938-6943.	2.6	31

#	Article	IF	Citations
19	Active Pd(<scp>ii</scp>) complexes: enhancing catalytic activity by ligand effect for carbonylation of methyl nitrite to dimethyl carbonate. Catalysis Science and Technology, 2017, 7, 3785-3790.	2.1	29
20	An enhanced Nonenzymatic Electrochemical Glucose Sensor Based on Copperâ€Palladium Nanoparticles Modified Glassy Carbon Electrodes. Electroanalysis, 2018, 30, 1811-1819.	1.5	29
21	Electrochemical Preparation and Structural Characterization of Co Thin Films and Their Anomalous IR Properties. Langmuir, 2006, 22, 10575-10583.	1.6	26
22	(Pdâ€“CuCl₂)/Î³-Al₂O₃: a high-performance catalyst for carbonylation of methyl nitrite to dimethyl carbonate. Catalysis Science and Technology, 2015, 5, 3333-3339.	2.1	24
23	Extracellular electron transfer of Enterobacter cloacae SgZ-5T via bi-mediators for the biorecovery of palladium as nanorods. Environment International, 2019, 123, 1-9.	4.8	23
24	Insight into composition evolution in the synthesis of high-performance Cu/SiO₂ catalysts for CO₂ hydrogenation. RSC Advances, 2016, 6, 25185-25190.	1.7	21
25	Electrodeposition of nanostructured CoNi thin films and their anomalous infrared properties. Electrochimica Acta, 2013, 113, 694-705.	2.6	20
26	Helical PdPtAu nanowires bounded with high-index facets selectively switch the pathway of ethanol electrooxidation. Journal of Materials Chemistry A, 2022, 10, 10902-10908.	5.2	17
27	In situ microscope FTIR studies of methanol adsorption and oxidation on an individually addressable array of nanostructured Pt microelectrodes. Electrochimica Acta, 2007, 52, 5725-5732.	2.6	16
28	Synthesis, Electrocatalytic and Anomalous IR Properties of Hollow CoPt Chainlike Nanomaterials. Journal of Nanoscience and Nanotechnology, 2009, 9, 2392-2397.	0.9	14
29	Kinetic study of CO oxidation on step decorated Pt(111) vicinal single crystal electrodes. Electrochimica Acta, 2011, 56, 5993-6000.	2.6	13
30	Ce-doped Bi based catalysts for highly efficient electroreduction of CO₂ to formate. Journal of Materials Chemistry C, 0, , .	2.7	11
31	Facile synthesis of ternary homogeneous ZnS_{1â”x}Se_x nanosheets with tunable bandgaps. CrystEngComm, 2014, 16, 6823-6826.	1.3	6
32	Enhancing Electroreduction of CO₂ to Formate of Pd Catalysts Loaded on TiO₂ Nanotubes Arrays by N, Bâ€Support Modification. ChemistrySelect, 2019, 4, 8626-8633.	0.7	6
33	Shape-dependent catalytic properties of electrochemically synthesized PdPt nanoparticles towards alcohols electrooxidation. Journal of Electroanalytical Chemistry, 2021, 896, 115189.	1.9	6