

Zhenguo Guo

List of Publications by Year in descending order

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13
papers

1,256
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1628
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Catalysis of the Electrochemical and Photochemical Reduction of CO ₂ with Earth-Abundant Metal Complexes. Selective Production of CO vs HCOOH by Switching of the Metal Center. <i>Journal of the American Chemical Society</i> , 2015, 137, 10918-10921.	13.7	294
2	Highly Efficient and Selective Photocatalytic CO ₂ Reduction by Iron and Cobalt Quaterpyridine Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 9413-9416.	13.7	276
3	Selectivity control of CO versus HCOO ⁻ production in the visible-light-driven catalytic reduction of CO ₂ with two cooperative metal sites. <i>Nature Catalysis</i> , 2019, 2, 801-808.	34.4	153
4	Highly Selective Molecular Catalysts for the CO ₂ -to-CO Electrochemical Conversion at Very Low Overpotential. Contrasting Fe vs Co Quaterpyridine Complexes upon Mechanistic Studies. <i>ACS Catalysis</i> , 2018, 8, 3411-3417.	11.2	141
5	Tandem catalysis in electrochemical CO ₂ reduction reaction. <i>Nano Research</i> , 2021, 14, 4471-4486.	10.4	105
6	Organic-Inorganic Hybrid Nanomaterials for Electrocatalytic CO ₂ Reduction. <i>Small</i> , 2020, 16, e2001847.	10.0	79
7	Photocatalytic Conversion of CO ₂ to CO by a Copper(II) Quaterpyridine Complex. <i>ChemSusChem</i> , 2017, 10, 4009-4013.	6.8	74
8	Novel honeycomb nanosphere Au@Pt bimetallic nanostructure as a high performance electrocatalyst for methanol and formic acid oxidation. <i>Electrochimica Acta</i> , 2014, 134, 411-417.	5.2	39
9	Highly stable and active PtNiFe dandelion-like alloys for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13252.	10.3	32
10	Ru single atoms and nanoclusters on highly porous N-doped carbon as a hydrogen evolution catalyst in alkaline solutions with ultrahigh mass activity and turnover frequency. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12196-12202.	10.3	28
11	A highly active and robust iron quinquepyridine complex for photocatalytic CO ₂ reduction in aqueous acetonitrile solution. <i>Chemical Communications</i> , 2020, 56, 6249-6252.	4.1	21
12	Efficient pollutant degradation via non-radical dominated pathway by self-regenerative Ru(bpy) ₃ ²⁺ /peroxydisulfate under visible light. <i>Chemical Engineering Journal</i> , 2020, 400, 125993.	12.7	7
13	Roles of Co Dopants in Electrocatalytic Hydrogen Evolution by N-Rich Carbon Nanotubes Grafted on Carbon Layers. <i>ACS Applied Nano Materials</i> , 2021, 4, 11830-11840.	5.0	4