

Gang Yu

List of Publications by Year in descending order

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40
papers

1,233
citations

516215

16
h-index

360668

35
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42
all docs

42
docs citations

42
times ranked

1886
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging the Surface Charge and Catalytic Activity of a Defective Carbon Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1019-1024.	7.2	224
2	Interface engineering of Pt and CeO ₂ nanorods with unique interaction for methanol oxidation. <i>Nano Energy</i> , 2018, 53, 604-612.	8.2	197
3	Composition Tunability and (111)-Dominant Facets of Ultrathin Platinum-Gold Alloy Nanowires toward Enhanced Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 12166-12175.	6.6	127
4	Composition-Tunable PtCu Alloy Nanowires and Electrocatalytic Synergy for Methanol Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10476-10484.	1.5	106
5	Origin of High Activity and Durability of Twisty Nanowire Alloy Catalysts under Oxygen Reduction and Fuel Cell Operating Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 1287-1299.	6.6	102
6	Platinum-nickel nanowire catalysts with composition-tunable alloying and faceting for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12557-12568.	5.2	45
7	Study on highly efficient Cr(VI) removal from wastewater by sinusoidal alternating current coagulation. <i>Journal of Environmental Management</i> , 2019, 249, 109322.	3.8	42
8	Bridging the Surface Charge and Catalytic Activity of a Defective Carbon Electrocatalyst. <i>Angewandte Chemie</i> , 2019, 131, 1031-1036.	1.6	41
9	Dynamic behavior of electroless nickel plating reaction on magnesium alloys. <i>Journal of Coatings Technology Research</i> , 2012, 9, 107-114.	1.2	31
10	Synthesis of Ultralong, Monodispersed, and Surfactant-Free Gold Nanowire Catalysts: Growth Mechanism and Electrocatalytic Properties for Methanol Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3108-3116.	1.5	24
11	Study on the treatment of Cu ²⁺ -organic compound wastewater by electro-Fenton coupled pulsed AC coagulation. <i>Chemosphere</i> , 2021, 280, 130679.	4.2	23
12	Construction of Porphyrin Porous Organic Cage as a Support for Single Cobalt Atoms for Photocatalytic Oxidation in Visible Light. <i>ACS Catalysis</i> , 2022, 12, 5827-5833.	5.5	23
13	Synthesis of Ultrathin and Composition-Tunable PdPt Porous Nanowires with Enhanced Electrocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2901-2909.	3.2	21
14	Comparison between sinusoidal AC coagulation and conventional DC coagulation in removing Cu ²⁺ from printed circuit board wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110629.	2.9	19
15	Preparation of stable aqueous suspensions of antimony-doped tin oxide nanoparticles used for transparent and thermal insulation fluorocarbon coating. <i>Colloid and Polymer Science</i> , 2014, 292, 3233-3241.	1.0	18
16	Ultrathin Copper Nanowire Synthesis with Tunable Morphology Using Organic Amines for Transparent Conductors. <i>ACS Applied Nano Materials</i> , 2018, 1, 3754-3759.	2.4	18
17	Recyclable MoO ₃ nanobelts for photocatalytic degradation of Rhodamine B by near infrared irradiation. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 3-13.	1.0	18
18	Electrodeposition of Pd-Ag alloy nanowires on highly oriented pyrolytic graphite. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 807-812.	1.5	17

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19	Membraneless reproducible MoS ₂ field-effect transistor biosensor for high sensitive and selective detection of FGF21. <i>Science China Materials</i> , 2019, 62, 1479-1487.	3.5	16
20	Surfactant-free fabrication of porous PdSn alloy networks by self-assembly as superior freestanding electrocatalysts for formic acid oxidation. <i>New Journal of Chemistry</i> , 2019, 43, 19242-19252.	1.4	15
21	A novel technique of COD removal from electroplating wastewater by Fenton's alternating current electrocoagulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15198-15210.	2.7	15
22	Highly efficient and energy-conserved flocculation of copper in wastewater by pulse-alternating current. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20577-20586.	2.7	13
23	Phase-selective Synthesis of Ultrathin FeTe Nanoplates by Controllable Fe/Te Atom Ratio in the Growth Atmosphere. <i>Small</i> , 2021, 17, 2101616.	5.2	13
24	Recycling the Catalyst of Atom Transfer Radical Polymerization to Prepare a Cu, N Codoped Mesoporous Carbon Electrocatalyst for Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12768-12774.	3.2	10
25	Bimetallic and postsynthetically alloyed PtCu nanostructures with tunable reactivity for the methanol oxidation reaction. <i>Nanoscale Advances</i> , 2020, 2, 1603-1612.	2.2	10
26	Palladium-Gold Alloy Nanowire-Structured Interface for Hydrogen Sensing. <i>ChemPlusChem</i> , 2015, 80, 722-730.	1.3	7
27	1,2-Dibutoxyethane-Promoted Oxidative Cleavage of Olefins into Carboxylic Acids Using O ₂ Under Clean Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 14974-14982.	1.7	7
28	Control of composition and size for Pd-Ni alloy nanowires electrodeposited on highly oriented pyrolytic graphite. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1727-1734.	1.5	6
29	Preparation and characterization of transparent fluorocarbon emulsion doped with antimony tin oxide and TiO ₂ as thermal-insulating and self-cleaning coating. <i>Journal of Coatings Technology Research</i> , 2014, 11, 567-574.	1.2	6
30	Electrocatalytic oxidation of small organic molecules on Pt-Au nanoparticles supported by POMAN-MWCNTs. <i>Russian Journal of Physical Chemistry A</i> , 2015, 89, 1452-1457.	0.1	3
31	Investigation on the current efficiency of Ni/graphite powders fabricated by electroplating. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 236-243.	0.3	3
32	Oxygen-rich PdSnCu nanocrystals with particle connection features as enhanced catalysts for ethanol oxidation reaction. <i>Nanotechnology</i> , 2021, 32, 325704.	1.3	3
33	Removal of phosphorus in wastewater by sinusoidal alternating current coagulation: performance and mechanism. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 3161-3174.	1.2	3
34	Synthesis and Activation of Pt-Cu Alloy Nanocrystals with Controlled Structure and Exposed Facets for Ethylene Glycol Oxidation. <i>Nano</i> , 2019, 14, 1950069.	0.5	2
35	Investigation on Mechanism of Tetracycline Removal from Wastewater by Sinusoidal Alternating Electro-Fenton Technique. <i>Sustainability</i> , 2022, 14, 2328.	1.6	2
36	Treatment of Zn ²⁺ in wastewater by sinusoidal alternating current coagulation: response surface methodology and removal mechanism. <i>Water Science and Technology</i> , 2020, 82, 1950-1960.	1.2	1

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37	A New Synthetic Strategy for Polymeric Bromine Precursors: One-Step Change from Bromine-Containing Polymers to Functional Polymers. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000303.	1.1	1
38	Study on Removal of Phosphorus and COD in Wastewater by Sinusoidal AC Fenton Oxidation-Coagulation. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-23.	1.2	1
39	Coumarin-surfactant modified polyoxometalate catalyzed cross dehydrogenative coupling of benzyl alcohol with the para-H of unprotected aniline. <i>Catalysis Science and Technology</i> , 2018, 8, 5133-5136.	2.1	0
40	PdRu Nanoparticles Supported on Functionalized Titanium Carbide—a Highly Efficient Catalyst for Formic Acid Electro-Oxidation. <i>Russian Journal of Electrochemistry</i> , 2021, 57, 401-411.	0.3	0