Chun-Hong Kuo

List of Publications by Year
in descending order

55	6,247	236925 25	182427 51
papers	citations	h-index	g-index

55	55	55	9970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigating metalâ€enhanced fluorescence effect on fluorescein by gold nanotriangles and nanocubes using timeâ€resolved fluorescence spectroscopy. Journal of the Chinese Chemical Society, 2022, 69, 82-93.	1.4	3
2	Insights into Transformation of Icosahedral PdRu Nanocrystals into Lattice-Expanded Nanoframes with Strain Enhancement in Electrochemical Redox Reactions. Chemistry of Materials, 2022, 34, 2282-2291.	6.7	8
3	Insights into Electrocatalytic Oxygen Evolution over Hierarchical FeCo₂S₄ Nanospheres. ACS Sustainable Chemistry and Engineering, 2022, 10, 431-440.	6.7	10
4	Formation of a pâ€n heterojunction photocatalyst by the interfacing of graphitic carbon nitride and delafossite <scp>CuGaO₂</scp>. Journal of the Chinese Chemical Society, 2022, 69, 1042-1050.	1.4	2
5	A new solution route for the synthesis of CuFeO2 and Mg-doped CuFeO2 as catalysts for dye degradation and CO2 conversion. Journal of Alloys and Compounds, 2021, 854, 157235.	5.5	20
6	AuPd Nanoicosahedra: Atomic-Level Surface Modulation for Optimization of Electrocatalytic and Photocatalytic Energy Conversion. ACS Applied Energy Materials, 2021, 4, 2652-2662.	5.1	4
7	Enhancement of NH₃ Production in Electrochemical N₂ Reduction by the Cu-Rich Inner Surfaces of Beveled CuAu Nanoboxes. ACS Applied Materials & Interfaces, 2021, 13, 51839-51848.	8.0	7
8	Structure of a seeded palladium nanoparticle and its dynamics during the hydride phase transformation. Communications Chemistry, 2021, 4, .	4.5	4
9	Tailoring Heterogeneous Catalysts at the Atomic Level: In Memoriam, Prof. Chia-Kuang (Frank) Tsung. ACS Applied Materials & Interfaces, 2021, , .	8.0	0
10	Recent Advances in Bimetallic Cuâ€Based Nanocrystals for Electrocatalytic CO₂ Conversion. Chemistry - an Asian Journal, 2021, 16, 2168-2184.	3.3	15
11	Enhanced Production of Formic Acid in Electrochemical CO₂ Reduction over Pd-Doped BiOCl Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 58799-58808.	8.0	12
12	Polyglutamine-Specific Gold Nanoparticle Complex Alleviates Mutant Huntingtin-Induced Toxicity. ACS Applied Materials & Interfaces, 2021, 13, 60894-60906.	8.0	3
13	NiCo2O4/graphene quantum dots (GQDs) for use in efficient electrochemical energy devices: An electrochemical and X-ray absorption spectroscopic investigation. Catalysis Today, 2020, 348, 290-298.	4.4	11
14	Ultrathin Octahedral CuPt Nanocages Obtained by Facet Transformation from Rhombic Dodecahedral Coreâ€“Shell Nanocrystals. ACS Sustainable Chemistry and Engineering, 2020, 8, 10544-10553.	6.7	10
15	Strainâ€Enhanced Metallic Intermixing in Shapeâ€Controlled Multilayered Coreâ€“Shell Nanostructures: Toward Shaped Intermetallics. Angewandte Chemie - International Edition, 2020, 59, 10574-10580.	13.8	22
16	Investigating lattice strain impact on the alloyed surface of small Au@PdPt coreâ€“shell nanoparticles. Nanoscale, 2020, 12, 8687-8692.	5.6	16
17	Flexible and free-standing polyvinyl alcohol-reduced graphene oxide-Cu2O/CuO thin films for electrochemical reduction of carbon dioxide. Journal of Applied Electrochemistry, 2020, 50, 979-991.	2.9	9
18	Electronic structures associated with enhanced photocatalytic activity in nanogap-engineered g-C3N4/Ag@SiO2 hybrid nanostructures. Applied Surface Science, 2020, 514, 145907.	6.1	7

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19	Au-BINOL Hybrid Nanocatalysts: Insights into the Structure-Based Enhancement of Catalytic and Photocatalytic Performance. Industrial & Engineering Chemistry Research, 2019, 58, 5479-5489.	3.7	4
20	Sub-1â€¯nm PtSn ultrathin sheet as an extraordinary electrocatalyst for methanol and ethanol oxidation reactions. Journal of Colloid and Interface Science, 2019, 545, 54-62.	9.4	28
21	New 2,3-diphenylquinoxaline containing organic D-A-Ï€-A dyes with nickel oxide photocathode prepared by surfactant-mediated synthesis for high performance p-type dye-sensitized solar cells. Dyes and Pigments, 2019, 163, 761-774.	3.7	15
22	Fabrication of Bimetallic Auâ€“Pdâ€“Au Nanobricks as an Archetype of Robust Nanoplasmonic Sensors. Chemistry of Materials, 2018, 30, 204-213.	6.7	17
23	Interface-Controlled Synthesis of Au-BINOL Hybrid Nanostructures and Mechanism Study. Langmuir, 2018, 34, 13697-13704.	3.5	1
24	Aqueous Synthesis of Concave Rh Nanotetrahedra with Defect-Rich Surfaces: Insights into Growth-, Defect-, and Plasmon-Enhanced Catalytic Energy Conversion. Chemistry of Materials, 2018, 30, 4448-4458.	6.7	24
25	Spiny Rhombic Dodecahedral CuPt Nanoframes with Enhanced Catalytic Performance Synthesized from Cu Nanocube Templates. Chemistry of Materials, 2017, 29, 5681-5692.	6.7	77
26	Structural Characterization of Bimetallic Nanocrystal Electrocatalysts. Microscopy and Microanalysis, 2016, 22, 1286-1287.	0.4	0
27	Probing the acoustic vibrations of complex-shaped metal nanoparticles with four-wave mixing. Optics Express, 2016, 24, 23747.	3.4	9
28	Turning the Halide Switch in the Synthesis of Auâ€“Pd Alloy and Coreâ€“Shell Nanoicosahedra with Terraced Shells: Performance in Electrochemical and Plasmon-Enhanced Catalysis. Nano Letters, 2016, 16, 5514-5520.	9.1	65
29	Serial Morphological Transformations of Au Nanocrystals via Post-Synthetic Galvanic Dissolution and Recursive Growth. Journal of Physical Chemistry C, 2015, 119, 29006-29014.	3.1	2
30	Formation of hollow and mesoporous structures in single-crystalline microcrystals of metalâ€“organic frameworks via double-solvent mediated overgrowth. Nanoscale, 2015, 7, 19408-19412.	5.6	77
31	Mesoporous Nickel Ferrites with Spinel Structure Prepared by an Aerosol Spray Pyrolysis Method for Photocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2014, 2, 2588-2594.	6.7	75
32	Electrochemically Induced Surface Metal Migration in Well-Defined Coreâ€“Shell Nanoparticles and Its General Influence on Electrocatalytic Reactions. ACS Nano, 2014, 8, 9368-9378.	14.6	54
33	Optimized Metalâ€“Organic-Framework Nanospheres for Drug Delivery: Evaluation of Small-Molecule Encapsulation. ACS Nano, 2014, 8, 2812-2819.	14.6	716
34	Nanoscale-Phase-Separated Pdâ€“Rh Boxes Synthesized via Metal Migration: An Archetype for Studying Lattice Strain and Composition Effects in Electrocatalysis. Journal of the American Chemical Society, 2013, 135, 14691-14700.	13.7	113
35	The Effect of Lattice Strain on the Catalytic Properties of Pd Nanocrystals. ChemSusChem, 2013, 6, 1993-2000.	6.8	105
36	Size-Dependent Sulfur Poisoning of Silica-Supported Monodisperse Pt Nanoparticle Hydrogenation Catalysts. ACS Catalysis, 2012, 2, 2626-2629.	11.2	35

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37	Yolkâ€“Shell Nanocrystal@ZIF-8 Nanostructures for Gas-Phase Heterogeneous Catalysis with Selectivity Control. Journal of the American Chemical Society, 2012, 134, 14345-14348.	13.7	608
38	Iodide-Mediated Control of Rhodium Epitaxial Growth on Well-Defined Noble Metal Nanocrystals: Synthesis, Characterization, and Structure-Dependent Catalytic Properties. Journal of the American Chemical Society, 2012, 134, 18417-18426.	13.7	95
39	Facet-Dependent and Au Nanocrystal-Enhanced Electrical and Photocatalytic Properties of Auâ^'Cu₂O Coreâ^'Shell Heterostructures. Journal of the American Chemical Society, 2011, 133, 1052-1057.	13.7	237
40	Surface Plasmonic Effects of Metallic Nanoparticles on the Performance of Polymer Bulk Heterojunction Solar Cells. ACS Nano, 2011, 5, 959-967.	14.6	959
41	Cu₂O Nanocrystalâ€templated Growth of Cu₂S Nanocages with Encapsulated Au Nanoparticles and Inâ€Situ Transmission Xâ€ray Microscopy Study. Advanced Functional Materials, 2011, 21, 792-797.	14.9	134
42	Morphologically controlled synthesis of Cu2O nanocrystals and their properties. Nano Today, 2010, 5, 106-116.	11.9	301
43	Fabrication of truncated rhombic dodecahedral Cu<inf>2</inf>O nanocages and nanoframes. , 2010, , .		0
44	Seed-Mediated Synthesis of Gold Nanocrystals with Systematic Shape Evolution from Cubic to Trisoctahedral and Rhombic Dodecahedral Structures. Langmuir, 2010, 26, 12307-12313.	3.5	286
45	Plasmonic-enhanced polymer photovoltaic devices incorporating Au nanoparticles. , 2010, , .		0
46	Plasmonic-enhanced polymer photovoltaic devices incorporating solution-processable metal nanoparticles. Applied Physics Letters, 2009, 95, .	3.3	272
47	Growth of Coreâ^'Shell Gaâ^'GaN Nanostructures via a Conventional Reflux Method and the Formation of Hollow GaN Spheres. Journal of Physical Chemistry C, 2009, 113, 3625-3630.	3.1	16
48	Au Nanocrystal-Directed Growth of Auâ^'Cu₂O Coreâ^'Shell Heterostructures with Precise Morphological Control. Journal of the American Chemical Society, 2009, 131, 17871-17878.	13.7	237
49	Hydrothermal Synthesis of Monodispersed Octahedral Gold Nanocrystals with Five Different Size Ranges and Their Self-Assembled Structures. Chemistry of Materials, 2008, 20, 7570-7574.	6.7	159
50	Facile Synthesis of Cu₂O Nanocrystals with Systematic Shape Evolution from Cubic to Octahedral Structures. Journal of Physical Chemistry C, 2008, 112, 18355-18360.	3.1	222
51	Fabrication of Truncated Rhombic Dodecahedral Cu₂O Nanocages and Nanoframes by Particle Aggregation and Acidic Etching. Journal of the American Chemical Society, 2008, 130, 12815-12820.	13.7	286
52	Seedâ€Mediated Synthesis of Monodispersed Cu₂O Nanocubes with Five Different Size Ranges from 40 to 420 nm. Advanced Functional Materials, 2007, 17, 3773-3780.	14.9	340
53	Thermal Aqueous Solution Approach for the Synthesis of Triangular and Hexagonal Gold Nanoplates with Three Different Size Ranges. Inorganic Chemistry, 2006, 45, 808-813.	4.0	178
54	Synthesis of Branched Gold Nanocrystals by a Seeding Growth Approach. Langmuir, 2005, 21, 2012-2016.	3.5	200

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55	Synthesis of Highly Faceted Pentagonal- and Hexagonal-Shaped Gold Nanoparticles with Controlled Sizes by Sodium Dodecyl Sulfate. Langmuir, 2004, 20, 7820-7824.	3.5	137