

Qiu-E Cao

List of Publications by Year in descending order

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68
papers

1,727
citations

279701

23
h-index

315616

38
g-index

70
all docs

70
docs citations

70
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	Ru/Mn Ce1O catalysts with enhanced oxygen mobility and strong metal-support interaction: Exceptional performances in 5-hydroxymethylfurfural base-free aerobic oxidation. <i>Journal of Catalysis</i> , 2018, 368, 53-68.	3.1	121
2	Antioxidant activity and chemical constituents of edible flower of <i>Sophora viciifolia</i> . <i>Food Chemistry</i> , 2011, 126, 1648-1654.	4.2	102
3	A novel sensitive electrochemical sensor based on in-situ polymerized molecularly imprinted membranes at graphene modified electrode for artemisinin determination. <i>Biosensors and Bioelectronics</i> , 2015, 64, 352-358.	5.3	91
4	Fluorescent carbon quantum dots synthesized using phenylalanine and citric acid for selective detection of Fe ³⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117944.	2.0	78
5	Multi-stimuli Responsive and Multicolor Adjustable Pure Organic Room Temperature Fluorescence-Phosphorescent Dual-Emission Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2101312.	7.8	72
6	Co ₃ O ₄ NPs decorated Mn-Co-O solid solution as highly selective catalyst for aerobic base-free oxidation of 5-HMF to 2,5-FDCA in water. <i>Catalysis Today</i> , 2020, 355, 252-262.	2.2	71
7	Dynamic co-catalysis of Au single atoms and nanoporous Au for methane pyrolysis. <i>Nature Communications</i> , 2020, 11, 1919.	5.8	65
8	Base-free aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid in water by hydrothermal-activated carbon composite supported gold catalyst. <i>Molecular Catalysis</i> , 2017, 439, 171-179.	1.0	64
9	One-pot synthesis of Pd-promoted Ce-Ni mixed oxides as efficient catalysts for imine production from the direct <i>N</i> -alkylation of amine with alcohol. <i>Catalysis Science and Technology</i> , 2019, 9, 286-301.	2.1	57
10	Efficient imine synthesis from oxidative coupling of alcohols and amines under air atmosphere catalysed by Zn-doped Al ₂ O ₃ supported Au nanoparticles. <i>Journal of Catalysis</i> , 2019, 377, 110-121.	3.1	54
11	Effective Control of Particle Size and Electron Density of Pd/C and Sn-Pd/C Nanocatalysts for Vanillin Production via Base-Free Oxidation. <i>ACS Catalysis</i> , 2020, 10, 7699-7709.	5.5	52
12	Tailoring the Reactive Oxygen Species in Mesoporous NiO for Selectivity-Controlled Aerobic Oxidation of 5-Hydroxymethylfurfural on a Loaded Pt Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6056-6067.	3.2	43
13	Modulating the Stacking Model of Covalent Organic Framework Isomers with Different Generation Efficiencies of Reactive Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29471-29481.	4.0	43
14	Sensitive detection of mercury and copper ions by fluorescent DNA/Ag nanoclusters in guanine-rich DNA hybridization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1250-1257.	2.0	39
15	Synergy in Sn-Mn oxide boosting the hydrogenation catalysis of supported Pt nanoparticles for selective conversion of levulinic acid. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120746.	10.8	36
16	A magnetic CoRu-CoO _x nanocomposite efficiently hydrogenates furfural to furfuryl alcohol at ambient H ₂ pressure in water. <i>Chemical Communications</i> , 2020, 56, 3765-3768.	2.2	35
17	Artificial chloroplast-like phosphotungstic acid-iron oxide microbox heterojunctions penetrated by carbon nanotubes for solar photocatalytic degradation of tetracycline antibiotics in wastewater. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 3158-3175.	9.9	35
18	Modulating the optical properties of the AIE fluorophore confined within UiO-66's nanochannels for chemical sensing. <i>Nanoscale</i> , 2016, 8, 17489-17495.	2.8	32

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19	Reversible Phase Transition of Porous Coordination Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, 2766-2779.	1.7	32
20	Efficient hydrogenation of 5-hydroxymethylfurfural using a synergistically bimetallic Ru-Ir/C catalyst. <i>Chemical Communications</i> , 2021, 57, 1742-1745.	2.2	31
21	A highly zinc-selective ratiometric fluorescent probe based on AIE luminogen functionalized coordination polymer nanoparticles. <i>RSC Advances</i> , 2017, 7, 21446-21451.	1.7	29
22	Etherification of 5-Hydroxymethylfurfural to Biofuel Additive Catalyzed by Aquivion® PFSA Modified Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3706-3716.	1.0	29
23	One-pot synthesis of green-emitting gold nanoclusters as a fluorescent probe for determination of 4-nitrophenol. <i>Mikrochimica Acta</i> , 2020, 187, 106.	2.5	28
24	Efficient imine synthesis via oxidative coupling of alcohols with amines in an air atmosphere using a mesoporous manganese-zirconium solid solution catalyst. <i>Catalysis Science and Technology</i> , 2021, 11, 810-822.	2.1	26
25	Hydrogenation of levulinic acid to Î³-valerolactone over bifunctional Ru/(AlO)(ZrO) catalyst: Effective control of Lewis acidity and surface synergy. <i>Molecular Catalysis</i> , 2020, 493, 111097.	1.0	24
26	Efficient Imine Formation by Oxidative Coupling at Low Temperature Catalyzed by High-Surface-Area Mesoporous CeO ₂ with Exceptional Redox Property. <i>Chemistry - A European Journal</i> , 2021, 27, 3019-3028.	1.7	24
27	Glutathione stabilized green-emission gold nanoclusters for selective detection of cobalt ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119628.	2.0	24
28	Efficient hydrogenation of furfural to furfuryl alcohol by magnetically recoverable RuCo bimetallic catalyst. <i>Green Energy and Environment</i> , 2022, 7, 275-287.	4.7	21
29	Three Silver Coordination Polymers with Diverse Architectures Constructed from Pyridine Carboxylic Hydrazide Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 11793-11800.	1.9	20
30	Influence of Support Properties and Particle Size on the Gold-Catalyzed Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural. <i>ChemistrySelect</i> , 2020, 5, 1416-1423.	0.7	20
31	Synergistic aggregating of Au(i)-glutathione complex for fluorescence turn-on-detection of Pb(ii). <i>Analytical Methods</i> , 2013, 5, 5584.	1.3	19
32	An aggregation-induced emission-based pH-sensitive fluorescent probe for intracellular acidity sensing. <i>RSC Advances</i> , 2016, 6, 25416-25419.	1.7	18
33	Highly selective visual sensing of copper based on fluorescence enhanced glutathione-Au nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117472.	2.0	17
34	A biocompatible PAA-Cu-MOP hydrogel for wound healing. <i>RSC Advances</i> , 2020, 10, 36212-36218.	1.7	16
35	Modulating fluorescence emission of l-methionine-stabilized Au nanoclusters from green to red and its application for visual detection of silver ion. <i>Microchemical Journal</i> , 2021, 166, 106198.	2.3	16
36	Photocatalytic synthesis of BSA-Au nanoclusters with tunable fluorescence for highly selective detection of silver ion. <i>Dyes and Pigments</i> , 2021, 193, 109533.	2.0	16

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37	Antioxidant Activities of Caragana sinica Flower Extracts and Their Main Chemical Constituents. <i>Molecules</i> , 2010, 15, 6722-6732.	1.7	15
38	A pH-Controllable imprinted composite membrane for selective separation of podophyllotoxin and its analog. <i>Journal of Applied Polymer Science</i> , 2013, 128, 363-370.	1.3	15
39	Preparation and Recognition Mechanism of Gallic Acid Imprinted Polymers. <i>Helvetica Chimica Acta</i> , 2009, 92, 78-87.	1.0	14
40	Determination of alkaline phosphatase activity and of carcinoembryonic antigen by using a multicolor liquid crystal biosensor based on the controlled growth of silver nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 25.	2.5	13
41	Highly selective and rapid detection of silver ions by using a "turn on" non-fluorescent cysteine stabilized gold nanocluster probe. <i>Analytical Methods</i> , 2021, 13, 2099-2106.	1.3	13
42	Flavonol glycosides of <i>Pseudodrynaria coronans</i> and their antioxidant activity. <i>Chemistry of Natural Compounds</i> , 2012, 48, 221-224.	0.2	12
43	Silver-Driven Coordination Self-Assembly of Tetraphenylethene Stereoisomer: Construct Charming Topologies and Their Mechanochromic Behaviors. <i>Inorganic Chemistry</i> , 2020, 59, 6508-6517.	1.9	11
44	Intermolecular hydrogen bonds induce restriction of access to the dark state for triggering aggregation-induced emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5356-5363.	2.7	11
45	The presence of a single-nucleotide mismatch in linker increases the fluorescence of guanine-enhanced DNA-templated Ag nanoclusters and their application for highly sensitive detection of cyanide. <i>RSC Advances</i> , 2018, 8, 41464-41471.	1.7	9
46	An Enantioselective Potentiometric Sensor for 2-Amino-1-Butanol Based on Chiral Porous Organic Cage CC3-R. <i>Molecules</i> , 2019, 24, 420.	1.7	9
47	Selective Aggregation of Silver Nanoprisms Induced by Monohydrogen Phosphate and its Application for Colorimetric Detection of Chromium (III) Ions. <i>Journal of Analysis and Testing</i> , 2021, 5, 225-234.	2.5	9
48	Preparation and Recognition Properties of Vanillin-Imprinted Polymers. <i>Helvetica Chimica Acta</i> , 2006, 89, 3032-3040.	1.0	8
49	The molecular imprinting of magnetic nanoparticles with boric acid affinity for the selective recognition and isolation of glycoproteins. <i>RSC Advances</i> , 2021, 11, 25524-25529.	1.7	8
50	Preparation and Characteristics of Esculin-Imprinted Polymers. <i>Helvetica Chimica Acta</i> , 2007, 90, 1179-1189.	1.0	7
51	Reversible Photochromic Coordination Polymer by Phototriggered Subtle Molecular Conformation Variations. <i>Inorganic Chemistry</i> , 2021, 60, 18870-18878.	1.9	7
52	One-pot synthesis of finely-dispersed Au nanoparticles on ZnO hexagonal sheet for base-free aerobic oxidation of vanillyl alcohol. <i>Catalysis Science and Technology</i> , 0, , .	2.1	7
53	Molecular imprinted solid-phase extraction of huperzine A from <i>Huperzia Serrata</i> . <i>Journal of Applied Polymer Science</i> , 2009, 113, 3049-3058.	1.3	6
54	Sustainable synthesis of vanillin through base-free selective oxidation using synergistic AgPd nanoparticles loaded on ZrO ₂ . <i>Catalysis Science and Technology</i> , 0, , .	2.1	6

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55	Fast photostimulus-responsive ultralong room-temperature phosphorescence behaviour of benzoic acid derivatives@boric acid. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8806-8814.	2.7	6
56	A stable 1D helical silver coordination polymer with red emission. <i>Polymer Chemistry</i> , 2019, 10, 2653-2657.	1.9	5
57	An Enzyme-Induced Metallization-Based Electrochemical Signal Amplification Strategy for Ultrahigh Sensitive Alkaline Phosphatase Detection at Attomolar Concentrations. <i>Journal of Analytical Chemistry</i> , 2020, 75, 812-819.	0.4	5
58	DNA bioassays based on the fluorescence "turn off" of silver nanocluster beacon. <i>Luminescence</i> , 2020, 35, 702-708.	1.5	5
59	Efficient activation of H ₂ on copper species immobilized by MCM-41 for selective hydrogenation of furfural at ambient pressure. <i>Molecular Catalysis</i> , 2021, 515, 111921.	1.0	5
60	An irreversible temperature indicator fabricated by citrate induced face-to-face assembly of silver triangular nanoplates. <i>Materials Science and Engineering C</i> , 2018, 92, 657-662.	3.8	4
61	Copper Metal Organic Polyhedron (Cu-MOP) Hydrogel as Responsive Cytoprotective Shell for Living Cell Encapsulation. <i>ACS Applied Bio Materials</i> , 2020, 3, 3268-3275.	2.3	4
62	A novel ion-imprinted electrode prepared by in situ polymerization for detection of platinum. <i>RSC Advances</i> , 2014, 4, 58916-58923.	1.7	3
63	Reduced Graphene Oxide/Poly(2-Aminopyridine) Modified Molecularly Imprinted Glassy Carbon Electrode (GCE) for the Determination of Kanamycin in Milk and Pork by Differential Pulse Voltammetry (DPV). <i>Analytical Letters</i> , 0, , 1-13.	1.0	3
64	Various Dimensional Cu-DPA Coordination Polymers Based on the Same Components for Different Electronic and Photothermal Properties. <i>Small Structures</i> , 2022, 3, .	6.9	3
65	Ultramicrotomy preparation of magnetic nanoparticles for transmission electron microscopy. <i>Ultramicroscopy</i> , 2021, 227, 113275.	0.8	2
66	Morphology-Dependent Peroxidase Mimicking Enzyme Activity of Copper Metal-Organic Polyhedra Assemblies. <i>Chemistry - A European Journal</i> , 2021, 27, 15730-15736.	1.7	2
67	Etherification of 5-Hydroxymethylfurfural to Biofuel Additive Catalyzed by Aquivion® PFSA Modified Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3691-3691.	1.0	0
68	Frontispiece: Reversible Phase Transition of Porous Coordination Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0