

Yufan Zhang

List of Publications by Year in descending order

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106
papers

5,351
citations

76326

40
h-index

88630

70
g-index

106
all docs

106
docs citations

106
times ranked

6844
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Signals Electrochemical Biosensor for Point-of-Care Testing of Amino Acids Enantiomers. <i>Electroanalysis</i> , 2022, 34, 316-325.	2.9	5
2	Electrocatalytically active cuprous oxide nanocubes anchored onto macroporous carbon composite for hydrazine detection. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1239-1248.	9.4	18
3	Preparation of Pt nanoparticles embedded on ordered mesoporous carbon hybrids for sensitive detection of acetaminophen. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128620.	4.7	15
4	A High-Performance Dual-Ion Battery-Supercapacitor Hybrid Device Based on LiCl in Ion Liquid Dual-Salt Electrolyte. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	24
5	Facile preparation of ternary heterostructured Au/polyoxometalate/nitrogen-doped hollow carbon sphere nanohybrids for the acetaminophen detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129029.	4.7	17
6	Facile preparation of Ni nanoparticle embedded on mesoporous carbon nanorods for non-enzymatic glucose detection. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 310-320.	9.4	100
7	Epoxy-functionalized macroporous carbon with embedded platinum nanoparticles for electrochemical detection of telomerase activity via telomerase-triggered catalytic hairpin assembly. <i>Talanta</i> , 2021, 225, 121957.	5.5	10
8	Core-shell structure Co@Ni@Fe@Cu doped MOF@GR composites for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15124-15134.	7.1	10
9	Facile one-pot synthesis of Co coordination polymer spheres doped macroporous carbon and its application for electrocatalytic oxidation of glucose. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 135-146.	9.4	34
10	Co-Ni layered double hydroxides wrapped on leaf-shaped copper oxide hybrids for non-enzymatic detection of glucose. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 205-214.	9.4	59
11	Metal-organic framework precursors derived Ni-doping porous carbon spheres for sensitive electrochemical detection of acetaminophen. <i>Talanta</i> , 2021, 228, 122228.	5.5	30
12	Carbon nanorod supported metal alloy nanocubes using polydopamine as location reagent for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36023-36036.	7.1	3
13	Facile synthesis of N-doped carbon nanoframes encapsulated by CoP nanoparticles for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 338-345.	9.4	36
14	Current status and future trends of vaccine development against viral infection and disease. <i>New Journal of Chemistry</i> , 2021, 45, 7437-7449.	2.8	2
15	Facile preparation of CoMoO ₄ nanorods at macroporous carbon hybrid electrocatalyst for non-enzymatic glucose detection. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 1-10.	9.4	78
16	Economical, green and rapid synthesis of CDs-Cu ₂ O/CuO nanotube from the biomass waste reed as sensitive sensing platform for the electrochemical detection of hydrazine. <i>Talanta</i> , 2020, 209, 120431.	5.5	23
17	An enzyme-free electrochemical biosensor based on well monodisperse Au nanorods for ultra-sensitive detection of telomerase activity. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111834.	10.1	74
18	Facile synthesis of Fe, Co bimetal embedded nanoporous carbon polyhedron composites for an efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 189-196.	9.4	44

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19	An enzyme-free electrochemical biosensor based on target-catalytic hairpin assembly and Pd@UiO-66 for the ultrasensitive detection of microRNA-21. <i>Analytica Chimica Acta</i> , 2020, 1138, 59-68.	5.4	40
20	Co/FeC core–nitrogen doped hollow carbon shell structure with tunable shell-thickness for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 794-802.	9.4	15
21	Self-assembly of robust graphene oxide membranes with chirality for highly stable and selective molecular separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16985-16993.	10.3	28
22	Electrochemical chiral amino acid biosensor based on dopamine-localized gold nanoparticles @ left-handed spiral chiral carbon nanotubes. <i>Analytical Methods</i> , 2020, 12, 3901-3908.	2.7	6
23	Pd nanoparticles-DNA layered nanoreticulation biosensor based on target-catalytic hairpin assembly for ultrasensitive and selective biosensing of microRNA-21. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128621.	7.8	37
24	Crystal Facet Induced Single-Atom Pd/Co _x O _y on a Tunable Metal-Support Interface for Low Temperature Catalytic Oxidation. <i>Small</i> , 2020, 16, e2002071.	10.0	22
25	Enantioselective electrochemical sensor of tyrosine isomers based on macroporous carbon embedded with sulfato- β -Cyclodextrin. <i>Microchemical Journal</i> , 2020, 159, 105469.	4.5	12
26	A novel cobalt and nitrogen co-doped mesoporous hollow carbon hemisphere as high-efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 12-20.	9.4	16
27	Construction of an ultrasensitive electrochemical sensing platform for microRNA-21 based on interface impedance spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 164-170.	9.4	41
28	Ni-Fe nanocubes embedded with Pt nanoparticles for hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20832-20842.	7.1	40
29	Preparation of Pt anchored on cerium oxide and ordered mesoporous carbon tri-component composite for electrocatalytic oxidation of adrenaline. <i>Materials Science and Engineering C</i> , 2020, 110, 110747.	7.3	18
30	Ferromagnetic anisotropy in scandium-doped AlN hierarchical nanostructures. <i>Journal of Materials Science</i> , 2020, 55, 8325-8336.	3.7	8
31	CdZnSeS quantum dots condensed with ordered mesoporous carbon for high-sensitive electrochemiluminescence detection of hydrogen peroxide in live cells. <i>Electrochimica Acta</i> , 2020, 362, 137107.	5.2	19
32	A thin film nanocomposite membrane with pre-immobilized UiO-66-NH ₂ toward enhanced nanofiltration performance. <i>RSC Advances</i> , 2019, 9, 24802-24810.	3.6	71
33	Fe ₂ O ₃ and Co bimetallic decorated nitrogen doped graphene nanomaterial for effective electrochemical water split hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113345.	3.8	14
34	Template-free Synthesis of Stable Cobalt Manganese Spinel Hollow Nanostructured Catalysts for Highly Water-Resistant CO Oxidation. <i>IScience</i> , 2019, 21, 19-30.	4.1	11
35	Room temperature synthesis of Cu[Fe(CN) ₆] \cdot xH ₂ O cube derived ferric oxide@cupric oxide alloy ball on nitrogen-doped graphene as highly efficient electrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28543-28555.	7.1	2
36	P/N co-doped carbon derived from cellulose: A metal-free photothermal catalyst for transfer hydrogenation of nitroarenes. <i>Applied Surface Science</i> , 2019, 487, 616-624.	6.1	22

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37	Novel potential and current type chiral amino acids biosensor based on L/D-handed double helix carbon nanotubes@polypyrrole@Au nanoparticles@L/D-cysteine. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126667.	7.8	21
38	Electrochemical study of hydrazine oxidation by leaf-shaped copper oxide loaded on highly ordered mesoporous carbon composite. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 98-104.	9.4	51
39	In-situ green assembly of spherical Mn-based metal-organic composites by ion exchange for efficient electrochemical oxidation of organic pollutant. <i>Journal of Hazardous Materials</i> , 2019, 369, 299-308.	12.4	27
40	Template-Free Controllable Electrochemical Synthesis of Hierarchical Flower-Like Platinum Nanoparticles/Nitrogen Doped Helical Carbon Nanotubes for Label-Free Biosensing of Bovine Serum Albumin. <i>Journal of the Electrochemical Society</i> , 2019, 166, B117-B124.	2.9	11
41	Development of Pd/Polyoxometalate/nitrogen-doping hollow carbon spheres tricomponent nanohybrids: A selective electrochemical sensor for acetaminophen. <i>Analytica Chimica Acta</i> , 2019, 1047, 28-35.	5.4	59
42	Self-Assembly of Mn(II)-Amidoximated PAN Polymeric Beads Complex as Reusable Catalysts for Efficient and Stable Heterogeneous Electro-Fenton Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3925-3936.	8.0	38
43	Facile synthesis of platinum-embedded zirconia/porous carbons tri-component nanohybrids from metal-organic framework and their application for ultra-sensitively detection of methyl parathion. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 424-430.	9.4	47
44	Facile synthesis of Au-embedded porous carbon from metal-organic frameworks and for sensitive detection of acetaminophen in pharmaceutical products. <i>Materials Science and Engineering C</i> , 2019, 95, 78-85.	7.3	63
45	A label-free electrochemical biosensor for ultra-sensitively detecting telomerase activity based on the enhanced catalytic currents of acetaminophen catalyzed by Au nanorods. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 53-58.	10.1	67
46	Fabrication of amine-functionalized metal-organic frameworks with embedded palladium nanoparticles for highly sensitive electrochemical detection of telomerase activity. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 133-139.	7.8	72
47	Carbon quantum dots encapsulated in super small platinum nanocrystals core-shell architecture/nitrogen doped graphene hybrid nanocomposite for electrochemical biosensing of DNA damage biomarker-8-hydroxy-2'-deoxyguanosine. <i>Analytica Chimica Acta</i> , 2019, 1047, 9-20.	5.4	20
48	Electrochemical study of acetaminophen oxidation by gold nanoparticles supported on a leaf-like zeolitic imidazolate framework. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 1-7.	9.4	70
49	Nitrogen-doped hollow carbon nanospheres for highly sensitive electrochemical sensing of nitrobenzene. <i>Materials Research Bulletin</i> , 2018, 104, 15-19.	5.2	25
50	Formation of Fe ₂ O ₃ microboxes/ macroporous carbon hybrids from Prussian blue template for electrochemical applications. <i>Journal of Alloys and Compounds</i> , 2018, 739, 425-430.	5.5	25
51	Facile synthesis of metal-organic frameworks/ordered mesoporous carbon composites with enhanced electrocatalytic ability for hydrazine. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 127-133.	9.4	80
52	Magnetic Mn _x Co _{3-x} O ₄ microboxes fabricated from Prussian blue analogue templates for electrochemical applications. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 134-141.	4.0	11
53	Novel potential type electrochemical chiral recognition biosensor for amino acid. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 41-49.	2.5	9
54	Highly dispersed cobalt decorated uniform nitrogen doped graphene derived from polydopamine positioning metal-organic frameworks for highly efficient electrochemical water oxidation. <i>Electrochimica Acta</i> , 2018, 289, 139-148.	5.2	11

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55	Convenient one step synthesis of molybdenum carbide embedded N-doped carbon nanolayer hybrid architecture using cheap cotton as precursor for efficient hydrogen evolution. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 207-215.	3.8	4
56	Nitrogen doped chiral carbonaceous nanotube for ultrasensitive DNA direct electrochemistry, DNA hybridization and damage study. <i>Analytica Chimica Acta</i> , 2018, 1038, 41-51.	5.4	3
57	Facile synthesis of ZnCo-ZIFs-derived $Zn_xCo_{3-x}O_4$ hollow polyhedron for efficient oxygen evolution reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 650-656.	9.4	33
58	Template, surfactant, stabilizer free controllable synthesis of various morphologies platinum decorated ordered mesoporous carbon nano architecture for high performance electrochemical sensing. <i>Journal of Electroanalytical Chemistry</i> , 2018, 825, 40-50.	3.8	2
59	Advanced membrane bioreactors systems: New materials and hybrid process design. <i>Bioresource Technology</i> , 2018, 269, 476-488.	9.6	52
60	Design synthesis of a controllable flower-like Pt-graphene oxide architecture through electrostatic self-assembly for DNA damage biomarker 8-hydroxy-2-deoxyguanosine biosensing research. <i>Analyst, The</i> , 2018, 143, 3619-3627.	3.5	8
61	Sensitive determination of chlorogenic acid in pharmaceutical products based on the decoration of 3D macroporous carbon with Au nanoparticles via polyoxometalates. <i>Analyst, The</i> , 2017, 142, 2603-2609.	3.5	41
62	Natural biomass-derived carbons for electrochemical energy storage. <i>Materials Research Bulletin</i> , 2017, 88, 234-241.	5.2	146
63	Ex-situ decoration of ordered mesoporous carbon with palladium nanoparticles via polyoxometalates and for sensitive detection of acetaminophen in pharmaceutical products. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 615-621.	9.4	34
64	Facile and green decoration of Pd nanoparticles on macroporous carbon by polyoxometalate with enhanced electrocatalytic ability. <i>RSC Advances</i> , 2016, 6, 39618-39626.	3.6	7
65	Simple synthesis of nitrogen doped graphene/ordered mesoporous metal oxides hybrid architecture as high-performance electrocatalysts for biosensing study. <i>RSC Advances</i> , 2016, 6, 96963-96973.	3.6	4
66	Microwave-assisted route for the preparation of Pd anchored on surfactant functionalized ordered mesoporous carbon and its electrochemical applications. <i>RSC Advances</i> , 2016, 6, 70810-70815.	3.6	5
67	Facile Synthesis of Mesoporous Reduced Graphene Oxide Microspheres with Well-Distributed Fe_2O_3 Nanoparticles for Photochemical Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10591-10599.	3.7	21
68	Polyoxometalates-mediated facile synthesis of Pt nanoparticles anchored on an ordered mesoporous carbon for electrochemical applications. <i>RSC Advances</i> , 2016, 6, 93469-93475.	3.6	10
69	Metal-organic framework channelled graphene composite membranes for H_2/CO_2 separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18747-18752.	10.3	80
70	Transformation of metal-organic frameworks for molecular sieving membranes. <i>Nature Communications</i> , 2016, 7, 11315.	12.8	140
71	Assembly of MOF Microcapsules with Size-Selective Permeability on Cell Walls. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 955-959.	13.8	92
72	Convenient and controllable preparation of a novel uniformly nitrogen doped porous graphene/Pt nanoflower material and its highly-efficient electrochemical biosensing. <i>Analyst, The</i> , 2016, 141, 2741-2747.	3.5	9

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73	N-doped graphitic layer encased cobalt nanoparticles as efficient oxygen reduction catalysts in alkaline media. <i>Nanoscale</i> , 2015, 7, 5607-5611.	5.6	53
74	NiCo ₂ O ₄ spinel/ordered mesoporous carbons as noble-metal free electrocatalysts for oxygen reduction reaction and the influence of structure of catalyst support on the electrochemical activity of NiCo ₂ O ₄ . <i>Journal of Power Sources</i> , 2015, 288, 1-8.	7.8	67
75	Facile synthesis of various highly dispersive CoP nanocrystal embedded carbon matrices as efficient electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4255-4265.	10.3	153
76	Metal-organic framework composite membranes: Synthesis and separation applications. <i>Chemical Engineering Science</i> , 2015, 135, 232-257.	3.8	208
77	Facile synthesis of electrospun MFe ₂ O ₄ (M = Co, Ni, Cu, Mn) spinel nanofibers with excellent electrocatalytic properties for oxygen evolution and hydrogen peroxide reduction. <i>Nanoscale</i> , 2015, 7, 8920-8930.	5.6	432
78	Iron and nitrogen co-doped carbon nanotube@hollow carbon fibers derived from plant biomass as efficient catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9658-9667.	10.3	131
79	Novel left-handed double-helical chiral carbon nanotubes for electrochemical biosensing study. <i>Analytical Methods</i> , 2015, 7, 9310-9316.	2.7	3
80	Novel bamboo leaf shaped CuO nanorod@hollow carbon fibers derived from plant biomass for efficient and nonenzymatic glucose detection. <i>Analyst</i> , 2015, 140, 6412-6420.	3.5	26
81	Dicobalt phosphide nanoparticles encased in boron and nitrogen co-doped graphitic layers as novel non-precious metal oxygen reduction electrocatalysts in alkaline media. <i>Chemical Communications</i> , 2015, 51, 15015-15018.	4.1	37
82	Facile synthesis of ultrafine Co ₃ O ₄ nanocrystals embedded carbon matrices with specific skeletal structures as efficient non-enzymatic glucose sensors. <i>Analytica Chimica Acta</i> , 2015, 861, 25-35.	5.4	127
83	Green and facile synthesis of an Au nanoparticles@polyoxometalate/ordered mesoporous carbon tri-component nanocomposite and its electrochemical applications. <i>Biosensors and Bioelectronics</i> , 2015, 66, 191-197.	10.1	81
84	Noble metal-free electrocatalysts for the oxygen reduction reaction based on iron and nitrogen-doped porous graphene. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1058-1067.	10.3	40
85	Electrocatalytically active cobalt-based metal-organic framework with incorporated macroporous carbon composite for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 732-738.	10.3	169
86	Self-assembled graphene oxide microcapsules with adjustable permeability and yolk-shell superstructures derived from atomized droplets. <i>Chemical Communications</i> , 2014, 50, 15867-15869.	4.1	29
87	Comparative study on the oxygen reduction reaction electrocatalytic activities of iron phthalocyanines supported on reduced graphene oxide, mesoporous carbon vesicle, and ordered mesoporous carbon. <i>Journal of Power Sources</i> , 2014, 264, 114-122.	7.8	92
88	Electrodeposition of nickel oxide and platinum nanoparticles on electrochemically reduced graphene oxide film as a nonenzymatic glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 261-268.	7.8	198
89	Facile green synthesis of nitrogen-doped porous carbon and its use for electrocatalysis towards nitrobenzene and hydrazine. <i>Electrochimica Acta</i> , 2014, 137, 693-699.	5.2	37
90	Cobalt and nitrogen co-embedded onion-like mesoporous carbon vesicles as efficient catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11672.	10.3	112

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91	Macroporous carbon decorated with dendritic platinum nanoparticles: one-step synthesis and electrocatalytic properties. <i>Nanoscale</i> , 2014, 6, 4806-4811.	5.6	15
92	Confined Nanospace Synthesis of Less Aggregated and Porous Nitrogen-Doped Graphene As Metal-Free Electrocatalysts for Oxygen Reduction Reaction in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3023-3030.	8.0	42
93	One-pot synthesis of nitrogen and sulfur co-doped onion-like mesoporous carbon vesicle as an efficient metal-free catalyst for oxygen reduction reaction in alkaline solution. <i>Journal of Power Sources</i> , 2014, 272, 267-276.	7.8	67
94	Fabrication of 2D ordered mesoporous carbon nitride and its use as electrochemical sensing platform for H ₂ O ₂ , nitrobenzene, and NADH detection. <i>Biosensors and Bioelectronics</i> , 2014, 53, 250-256.	10.1	152
95	One-pot ionic liquid-assisted synthesis of highly dispersed PtPd nanoparticles/reduced graphene oxide composites for nonenzymatic glucose detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 223-230.	10.1	100
96	Electrochemical properties of boron-doped ordered mesoporous carbon as electrocatalyst and Pt catalyst support. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 133-140.	9.4	35
97	Metal organic frameworks/macroporous carbon composites with enhanced stability properties and good electrocatalytic ability for ascorbic acid and hemoglobin. <i>Talanta</i> , 2014, 129, 55-62.	5.5	72
98	Facile synthesis of a Cu-based MOF confined in macroporous carbon hybrid material with enhanced electrocatalytic ability. <i>Chemical Communications</i> , 2013, 49, 6885.	4.1	166
99	A partially reduced C ₆₀ -grafted macroporous carbon composite for the enhanced electrocatalysis of nitroaromatic compounds. <i>RSC Advances</i> , 2013, 3, 17300.	3.6	21
100	Sulfur-doped ordered mesoporous carbon with high electrocatalytic activity for oxygen reduction. <i>Electrochimica Acta</i> , 2013, 108, 404-411.	5.2	120
101	Electrochemical behavior of luteolin and its detection based on macroporous carbon modified glassy carbon electrode. <i>Analytical Methods</i> , 2013, 5, 3365.	2.7	34
102	Preparation of copper oxide anchored on surfactant-functionalized macroporous carbon composite and its electrochemical applications. <i>Analyst</i> , The, 2013, 138, 3633.	3.5	17
103	Poly-o-toluidine cobalt supported on ordered mesoporous carbon as an efficient electrocatalyst for oxygen reduction. <i>Electrochemistry Communications</i> , 2012, 25, 35-38.	4.7	18
104	Electrochemical study of nitrobenzene reduction using novel Pt nanoparticles/macroporous carbon hybrid nanocomposites. <i>Analytica Chimica Acta</i> , 2012, 752, 45-52.	5.4	51
105	Electrochemical behavior of 6-benzylaminopurine and its detection based on Pt/ordered mesoporous carbons modified electrode. <i>Analytical Methods</i> , 2012, 4, 736.	2.7	16
106	Preparation and electrocatalytic application of high dispersed Pt nanoparticles/ordered mesoporous carbon composites. <i>Electrochimica Acta</i> , 2011, 56, 5849-5854.	5.2	28