

Rui Huang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

4,819
citations

29
h-index

69
g-index

82
ext. papers

5,726
ext. citations

8.5
avg, IF

6.01
L-index

#	Paper	IF	Citations
76	Recent advances in graphene quantum dots for sensing. <i>Materials Today</i> , 2013 , 16, 433-442	21.8	552
75	Graphene quantum dots-band-aids used for wound disinfection. <i>ACS Nano</i> , 2014 , 8, 6202-10	16.7	485
74	Accelerated Hydrogen Evolution Kinetics on NiFe-Layered Double Hydroxide Electrocatalysts by Tailoring Water Dissociation Active Sites. <i>Advanced Materials</i> , 2018 , 30, 1706279	24	390
73	Antibacterial applications of graphene-based nanomaterials: Recent achievements and challenges. <i>Advanced Drug Delivery Reviews</i> , 2016 , 105, 176-189	18.5	314
72	Deciphering a nanocarbon-based artificial peroxidase: chemical identification of the catalytically active and substrate-binding sites on graphene quantum dots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7176-80	16.4	274
71	Carbon Nanozymes: Enzymatic Properties, Catalytic Mechanism, and Applications. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9224-9237	16.4	274
70	Activation of biologically relevant levels of reactive oxygen species by Au/g-CN hybrid nanozyme for bacteria killing and wound disinfection. <i>Biomaterials</i> , 2017 , 113, 145-157	15.6	234
69	Ag nanoparticle-decorated graphene quantum dots for label-free, rapid and sensitive detection of Ag ⁺ and biothiols. <i>Chemical Communications</i> , 2013 , 49, 1079-81	5.8	211
68	Improvement of photoluminescence of graphene quantum dots with a biocompatible photochemical reduction pathway and its bioimaging application. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1174-9	9.5	202
67	Highly photoluminescent amino-functionalized graphene quantum dots used for sensing copper ions. <i>Chemistry - A European Journal</i> , 2013 , 19, 13362-8	4.8	187
66	Transition-metal-substituted polyoxometalate derivatives as functional anti-amyloid agents for Alzheimer's disease. <i>Nature Communications</i> , 2014 , 5, 3422	17.4	160
65	Visible-light-driven enhanced antibacterial and biofilm elimination activity of graphitic carbon nitride by embedded Ag nanoparticles. <i>Nano Research</i> , 2015 , 8, 1648-1658	10	155
64	Programmed Bacteria Death Induced by Carbon Dots with Different Surface Charge. <i>Small</i> , 2016 , 12, 4713-8	11	126
63	Carbon Nanomaterials and DNA: from Molecular Recognition to Applications. <i>Accounts of Chemical Research</i> , 2016 , 49, 461-70	24.3	113
62	Gold-nanoparticle-based multifunctional amyloid-inhibitor against Alzheimer's disease. <i>Chemistry - A European Journal</i> , 2015 , 21, 829-35	4.8	93
61	Synthesis of fluorinated and nonfluorinated graphene quantum dots through a new top-down strategy for long-time cellular imaging. <i>Chemistry - A European Journal</i> , 2015 , 21, 3791-7	4.8	88
60	Polyoxometalate-based nanozyme: Design of a multifunctional enzyme for multi-faceted treatment of Alzheimer's disease. <i>Nano Research</i> , 2016 , 9, 1079-1090	10	66

59	Pt and Au bimetallic and monometallic nanostructured amperometric sensors for direct detection of hydrogen peroxide: Influences of bimetallic effect and silica support. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1325-1334	8.5	60
58	How functional groups influence the ROS generation and cytotoxicity of graphene quantum dots. <i>Chemical Communications</i> , 2017 , 53, 10588-10591	5.8	54
57	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16791-16795	16.4	54
56	Polyoxometalate-based Rewritable Paper. <i>Chemistry of Materials</i> , 2015 , 27, 7573-7576	9.6	52
55	Preparation of highly dispersed palladium-phosphorus nanoparticles and its electrocatalytic performance for formic acid electrooxidation. <i>Electrochimica Acta</i> , 2012 , 59, 279-283	6.7	50
54	Germanium substitution endowing Cr ³⁺ -doped zinc aluminate phosphors with bright and super-long near-infrared persistent luminescence. <i>Acta Materialia</i> , 2018 , 155, 214-221	8.4	45
53	Label-free ratiometric electrochemical detection of the mutated apolipoprotein E gene associated with Alzheimer's disease. <i>Chemical Communications</i> , 2016 , 52, 12080-12083	5.8	43
52	Thiophene-Bridged Donor-Acceptor sp ² -Carbon-Linked 2D Conjugated Polymers as Photocathodes for Water Reduction. <i>Advanced Materials</i> , 2021 , 33, e2006274	24	37
51	Poly(1,4-Diethynylbenzene) Gradient Homojunction with Enhanced Charge Carrier Separation for Photoelectrochemical Water Reduction. <i>Advanced Materials</i> , 2019 , 31, e1900961	24	35
50	Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots. <i>Angewandte Chemie</i> , 2015 , 127, 7282-7286	3.6	32
49	Reduced graphene oxide supported chiral Ni particles as magnetically reusable and enantioselective catalyst for asymmetric hydrogenation. <i>Carbon</i> , 2014 , 79, 615-622	10.4	31
48	Social participation and perceived depression among elderly population in South Africa. <i>Clinical Interventions in Aging</i> , 2017 , 12, 971-976	4	30
47	Triple-Mode Emissions with Invisible Near-Infrared After-Glow from Cr-Doped Zinc Aluminum Germanium Nanoparticles for Advanced Anti-Counterfeiting Applications. <i>Small</i> , 2020 , 16, e2003121	11	28
46	The availability and affordability of orphan drugs for rare diseases in China. <i>Orphanet Journal of Rare Diseases</i> , 2016 , 11, 20	4.2	26
45	Hydrogen-producing hyperthermophilic bacteria synthesized size-controllable fine gold nanoparticles with excellence for eradicating biofilm and antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4602-4609	7.3	26
44	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10368-10374	16.4	24
43	Immobilization of enzyme on chiral polyelectrolyte surface. <i>Analytica Chimica Acta</i> , 2017 , 952, 88-95	6.6	19
42	Ligand-Exchange-Mediated Fabrication of Gold Aerogels Containing Different Au(I) Content with Peroxidase-like Behavior. <i>Chemistry of Materials</i> , 2019 , 31, 10094-10099	9.6	17

41	Ethanol electrooxidation on carbon-supported Pt nanoparticles catalyst prepared using complexing self-reduction method. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7265-7274	6.7	15
40	Conjugated Acetylenic Polymers Grafted Cuprous Oxide as an Efficient Z-Scheme Heterojunction for Photoelectrochemical Water Reduction. <i>Advanced Materials</i> , 2020 , 32, e2002486	24	15
39	Ratiometric determination of copper(II) using dually emitting Mn(II)-doped ZnS quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , 2018 , 185, 511	5.8	15
38	Graphene-mesoporous silica-dispersed palladium nanoparticles-based probe carrier platform for electrocatalytic sensing of telomerase activity at less than single-cell level. <i>Advanced Healthcare Materials</i> , 2014 , 3, 588-95	10.1	14
37	Synthesis of carbon supported palladium nanoparticles catalyst using a facile homogeneous precipitation-reduction reaction method for formic acid electrooxidation. <i>Applied Surface Science</i> , 2011 , 257, 10483-10488	6.7	14
36	Analysis of high alert medication knowledge of medical staff in Tianjin: A convenient sampling survey in China. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2015 , 35, 176-182		13
35	Carbon-dot-decorated TiO ₂ nanotube arrays used for photo/voltage-induced organic pollutant degradation and the inactivation of bacteria. <i>Nanotechnology</i> , 2016 , 27, 115301	3.4	13
34	Kohlenstoff-Nanozyme: Enzymatische Eigenschaften, Katalysemechanismen und Anwendungen. <i>Angewandte Chemie</i> , 2018 , 130, 9366-9379	3.6	11
33	Positive effect of codoping Yb ³⁺ on the super-long persistent luminescence of Cr ³⁺ -doped zinc aluminum germanate. <i>Ceramics International</i> , 2018 , 44, 17377-17382	5.1	11
32	Pathogen-mimicking nanocomplexes: self-stimulating oxidative stress in tumor microenvironment for chemo-immunotherapy. <i>Materials Today</i> , 2017 , 20, 346-353	21.8	10
31	Health Perceptions and Misconceptions Regarding COVID-19 in China: Online Survey Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e21099	7.6	7
30	Effect of financial stress on self-reported health and quality of life among older adults in five developing countries: a cross sectional analysis of WHO-SAGE survey. <i>BMC Geriatrics</i> , 2020 , 20, 288	4.1	7
29	Influencing factors and their relationships of risk perception and decision-making behaviour of polypharmacy in patients with chronic diseases: a qualitative descriptive study. <i>BMJ Open</i> , 2021 , 11, e043557	3	7
28	Thiophene-Based Conjugated Acetylenic Polymers with Dual Active Sites for Efficient Co-Catalyst-Free Photoelectrochemical Water Reduction in Alkaline Medium. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18876-18881	16.4	7
27	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie</i> , 2018 , 130, 17033-17037	3.6	7
26	Subjective health and quality of life among elderly people living with chronic multimorbidity and difficulty in activities of daily living in rural South Africa. <i>Clinical Interventions in Aging</i> , 2019 , 14, 1285-1296	4	6
25	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. <i>Angewandte Chemie</i> , 2019 , 131, 10476-10482	3.6	5
24	Cognition and Sociodemographic Determinants for Effective Pain Control in Patients with Cancer Pain: a Cross-sectional Survey in China. <i>Current Medical Science</i> , 2020 , 40, 249-256	2.8	5

23	Association Between Mass Media Use and Maternal Healthcare Service Utilisation in Malawi. <i>Journal of Multidisciplinary Healthcare</i> , 2021 , 14, 1159-1167	2.8	5
22	Determinants of Subjective Health, Happiness, and Life Satisfaction among Young Adults (18-24 Years) in Guyana. <i>BioMed Research International</i> , 2020 , 2020, 9063808	3	4
21	Wireless near-infrared electrical stimulation of neurite outgrowth. <i>Chemical Communications</i> , 2019 , 55, 9833-9836	5.8	4
20	Plasmonic Nanozymes: Localized Surface Plasmonic Resonance Regulates Reaction Kinetics and Antibacterial Performance.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 312-323	6.4	4
19	Preventive behaviours and family inequalities during the COVID-19 pandemic: a cross-sectional study in China. <i>Infectious Diseases of Poverty</i> , 2021 , 10, 100	10.4	4
18	Recent advances in phosphorus containing noble metal electrocatalysts for direct liquid fuel cells. <i>Nanoscale</i> , 2021 , 13, 16052-16069	7.7	4
17	Do Mothers with Lower Socioeconomic Status Contribute to the Rate of All-Cause Child Mortality in Kazakhstan?. <i>BioMed Research International</i> , 2018 , 2018, 3629109	3	4
16	Safety Profile of Oxaliplatin in 3,687 Patients With Cancer in China: A Post-Marketing Surveillance Study. <i>Frontiers in Oncology</i> , 2021 , 11, 757196	5.3	3
15	Risk factors and clinical characteristics of tacrolimus-induced acute nephrotoxicity in children with nephrotic syndrome: a retrospective case-control study. <i>European Journal of Clinical Pharmacology</i> , 2020 , 76, 277-284	2.8	3
14	Safety of traditional Chinese medicine injection based on spontaneous reporting system from 2014 to 2019 in Hubei Province, China. <i>Scientific Reports</i> , 2021 , 11, 8875	4.9	3
13	Innenrücktitelbild: Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots (Angew. Chem. 24/2015). <i>Angewandte Chemie</i> , 2015 , 127, 7305-7305	3.6	2
12	Aggregation behavior at interfaces with switchable wettability: a bioinspired perspective to understand amyloid formation. <i>Chemical Communications</i> , 2021 , 57, 2641-2644	5.8	2
11	A Retrospective Analysis on 1330 Adverse Event Reports of Qingkailing in China: Further Perception of Its Risks and Rational Use. <i>Current Medical Science</i> , 2018 , 38, 1103-1108	2.8	2
10	Precision of coaxial needle placement in computed tomography-guided transthoracic needle biopsy. <i>Experimental and Therapeutic Medicine</i> , 2013 , 6, 1307-1311	2.1	1
9	Impact of child's migration on health status and health care utilization of older parents with chronic diseases left behind in China. <i>BMC Public Health</i> , 2021 , 21, 1892	4.1	1
8	SMS-based family planning communication and its association with modern contraception and maternal healthcare use in selected low-middle-income countries. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 218	3.6	1
7	Social Participation as a Predictor of Morbid Thoughts and Suicidal Ideation among the Elderly Population: A Cross-Sectional Study on Four Low-Middle-Income Countries. <i>Psychiatry International</i> , 2021 , 2, 169-179	0.8	0
6	Thiophen-basierte konjugierte acetylenische Polymere mit dualen aktiven Zentren für effiziente Cokatalysator-freie photoelektrochemische Wasserreduktion im alkalischen Medium. <i>Angewandte Chemie</i> , 2021 , 133, 19025-19031	3.6	0

5	Solvent-mediated engineering of copper-metalated acetylenic polymer scaffolds with enhanced photoelectrochemical performance. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9729-9734	13	○
4	Sociodemographic Inequalities in Health Insurance Ownership among Women in Selected Francophone Countries in Sub-Saharan Africa. <i>BioMed Research International</i> , 2021 , 2021, 6516202	3	○
3	Factors associated with health insurance ownership among women of reproductive age: A multicountry study in sub-Saharan Africa.. <i>PLoS ONE</i> , 2022 , 17, e0264377	3.7	○
2	Computed tomography angiography for presence of systemic-to-pulmonary artery shunt in transpleural systemic arterial supply. <i>European Journal of Radiology</i> , 2020 , 129, 109060	4.7	
1	Status and Safety Signals of Cephalosporins in Children: A Spontaneous Reporting Database Study. <i>Frontiers in Pharmacology</i> , 2021 , 12, 736618	5.6	