

# Rui Yang

## List of Publications by Year in Descending Order

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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

1,198  
citations

20  
h-index

32  
g-index

81  
ext. papers

1,639  
ext. citations

5.3  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
76	A High CMRR Instrumentation Amplifier Employing Pseudo-Differential Inverter for Neural Signal Sensing. <i>IEEE Sensors Journal</i> , <b>2022</b> , 22, 419-427	4	1
75	Characteristics and Influencing Factors of Supercritical Methane Adsorption in Deep Gas Shale: A Case Study of Marine Wufeng and Longmaxi Formations from the Dongxi Area, Southeastern Sichuan Basin (China). <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 1531-1546	4.1	3
74	Effects of organic nitrogen components from terrestrial input on the phytoplankton community in Jiaozhou Bay.. <i>Marine Pollution Bulletin</i> , <b>2022</b> , 174, 113316	6.7	0
73	Schottky functionalized Z-scheme heterojunction photocatalyst Ti <sub>2</sub> C <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> /BiOCl: Efficient photocatalytic H <sub>2</sub> O <sub>2</sub> production via two-channel pathway. <i>Applied Surface Science</i> , <b>2022</b> , 572, 151525	6.7	7
72	Semi-Supervised Adversarial Semantic Segmentation Network Using Transformer and Multiscale Convolution for High-Resolution Remote Sensing Imagery. <i>Remote Sensing</i> , <b>2022</b> , 14, 1786	5	1
71	Protein Engineering of <i>Pasteurella multocida</i> $\alpha$ ,3-Sialyltransferase with Reduced $\alpha$ ,3-Sialidase Activity and Application in Synthesis of 3?-Sialyllactose. <i>Catalysts</i> , <b>2022</b> , 12, 579	4	1
70	Transcriptomic, Biochemical, and Morphological Study Reveals the Mechanism of Inhibition of by Phenazine-1-Carboxylic Acid. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 618476	5.7	1
69	Quartz crystallinity index: New quantitative evidence for biogenic silica of the Late Ordovician to Early Silurian organic-rich shale in the Sichuan Basin and adjacent areas, China. <i>Science China Earth Sciences</i> , <b>2021</b> , 64, 773-787	4.6	2
68	Pore Structure Characterization and Reservoir Quality Evaluation of Analcite-Rich Shale Oil Reservoir from the Bohai Bay Basin. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9349-9368	4.1	3
67	The contributions of the left hippocampus and bilateral inferior parietal lobule to form-meaning associative learning. <i>Psychophysiology</i> , <b>2021</b> , 58, e13834	4.1	0
66	Adiponectin Attenuates Lipopolysaccharide-induced Apoptosis by Regulating the Cx43/PI3K/AKT Pathway. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 644225	5.6	3
65	Similar activation patterns in the bilateral dorsal inferior frontal gyrus for monolingual and bilingual contexts in second language production. <i>Neuropsychologia</i> , <b>2021</b> , 156, 107857	3.2	0
64	Correlation between squalene synthase promoter and WRKY transcription factor in <i>Camellia oleifera</i> . <i>Journal of Horticultural Science and Biotechnology</i> , <b>2021</b> , 96, 34-43	1.9	0
63	Integrated mRNA and Small RNA Sequencing for Analyzing Leaf Spot Pathogen and Its Host, Tea (), During Infection. <i>Molecular Plant-Microbe Interactions</i> , <b>2021</b> , 34, 127-130	3.6	3
62	Proteins from leguminous plants: from structure, property to the function in encapsulation/binding and delivery of bioactive compounds. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-22	11.5	1
61	Antifungal Activity and Possible Mode of Action of Ningnanmycin Against Tea Gray Blight Disease Pathogen. <i>Phytopathology</i> , <b>2021</b> , PHYTO09200382R	3.8	1
60	Tribological Properties of the Functionalized Graphene/Montmorillonite Nanosheets as a Lubricant Additive. <i>Tribology Letters</i> , <b>2021</b> , 69, 1	2.8	0

59	Influences of the hydrophilic components of two anthropogenic dissolved organic nitrogen groups on phytoplankton growth in Jiaozhou Bay, China. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 169, 112551	6.7	1
58	A Novel Sulfone Derivative Controls in Tea Leaf Spot by Reducing the Ergosterol Content. <i>Molecular Plant-Microbe Interactions</i> , <b>2021</b> , 34, 922-938	3.6	0
57	Multi-Color Fluorescent Carbon Dots: Graphitized sp Conjugated Domains and Surface State Energy Level Co-Modulate Band Gap Rather Than Size Effects. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8129-8138	4.8	30
56	Cumulative live birth rate of low prognosis patients with POSEIDON stratification: a single-centre data analysis. <i>Reproductive BioMedicine Online</i> , <b>2020</b> , 41, 834-844	4	2
55	Variations of Pore Structure in Organic-Rich Shales with Different Lithofacies from the Jiangdong Block, Fuling Shale Gas Field, SW China: Insights into Gas Storage and Pore Evolution. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 12457-12475	4.1	12
54	Structural characteristics and porosity estimation of organic matter-hosted pores in gas shales of Jiaoshiba Block, Sichuan Basin, China. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 4178-4195	3.4	2
53	Ultrasound-assisted synthesis of BiVO <sub>4</sub> /C-dots/g-C <sub>3</sub> N <sub>4</sub> Z-scheme heterojunction photocatalysts for degradation of minocycline hydrochloride and Rhodamine B: optimization and mechanism investigation. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 17641-17653	3.6	7
52	Redox modulated fluorometric sensing of ascorbic acid by using a hybrid material composed of carbon dots and CoOOH nanosheets. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 368	5.8	13
51	Hierarchical Structure MnO <sub>2</sub> Coated PDMS/Carbon Nanotube Sponge as Flexible Electrode for Electrocatalytic Water Splitting and High Performance Supercapacitor. <i>ChemistrySelect</i> , <b>2019</b> , 4, 5996-6003	1.8	6
50	Transformation of Jatropha Oil into High-Quality Biofuel over Ni-W Bimetallic Catalysts. <i>ACS Omega</i> , <b>2019</b> , 4, 10580-10592	3.9	13
49	Influence of Manothermosonication on the Physicochemical and Functional Properties of Ferritin as a Nanocarrier of Iron or Bioactive Compounds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 6633-6641	5.7	11
48	Solid pyrolysis synthesis of excitation-independent emission carbon dots and its application to isoniazid detection. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	16
47	Prospective observational cohort study: Computational models for early prediction of ongoing pregnancy in fresh IVF/ICSI-ET protocols. <i>Life Sciences</i> , <b>2019</b> , 222, 221-227	6.8	2
46	Bifunctional Conducting Polymer Coated CoFe <sub>2</sub> O <sub>4</sub> Core-Shell Nanolayer on Carbon Fiber Cloth for 2.0 V Wearable Aqueous Supercapacitors. <i>ChemistrySelect</i> , <b>2019</b> , 4, 1685-1695	1.8	10
45	Ornithine decarboxylase is involved in methyl jasmonate-regulated postharvest quality retention in button mushrooms ( <i>Agaricus bisporus</i> ). <i>Journal of the Science of Food and Agriculture</i> , <b>2019</b> , 99, 790-796	4.3	8
44	GIAT4RA functions as a tumor suppressor in non-small cell lung cancer by counteracting Uchl3-mediated deubiquitination of LSH. <i>Oncogene</i> , <b>2019</b> , 38, 7133-7145	9.2	24
43	Hierarchical structure of CoFe <sub>2</sub> O <sub>4</sub> core-shell microsphere coating on carbon fiber cloth for high-performance asymmetric flexible supercapacitor applications. <i>Ionics</i> , <b>2019</b> , 25, 4905-4914	2.7	14
42	LSH interacts with and stabilizes GINS4 transcript that promotes tumourigenesis in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2019</b> , 38, 280	12.8	21

41	DNA methylation modifier LSH inhibits p53 ubiquitination and transactivates p53 to promote lipid metabolism. <i>Epigenetics and Chromatin</i> , <b>2019</b> , 12, 59	5.8	11
40	Powder carbonization to synthesize novel carbon dots derived from uric acid for the detection of Ag(I) and glutathione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 207, 54-60	4.4	20
39	The Conversion of Jatropha Oil into Jet Fuel on NiMo/Al-MCM-41 Catalyst: Intrinsic Synergic Effects between Ni and Mo. <i>Energy Technology</i> , <b>2019</b> , 7, 1800809	3.5	15
38	LncRNA as a SERCA2a Inhibitor to Cause Intracellular Ca Overload and Contractile Dysfunction in a Mouse Model of Myocardial Infarction. <i>Circulation Research</i> , <b>2018</b> , 122, 1354-1368	15.7	95
37	Nuclear EGFR-PKM2 axis induces cancer stem cell-like characteristics in irradiation-resistant cells. <i>Cancer Letters</i> , <b>2018</b> , 422, 81-93	9.9	24
36	Nano-encapsulation of epigallocatechin gallate in the ferritin-chitosan double shells: Simulated digestion and absorption evaluation. <i>Food Research International</i> , <b>2018</b> , 108, 1-7	7	18
35	Activation of AhR with nuclear IKK $\beta$ regulates cancer stem-like properties in the occurrence of radioresistance. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 490	9.8	22
34	A G3BP1-Interacting lncRNA Promotes Ferroptosis and Apoptosis in Cancer via Nuclear Sequestration of p53. <i>Cancer Research</i> , <b>2018</b> , 78, 3484-3496	10.1	176
33	Channel directed rutin nano-encapsulation in phytoferritin induced by guanidine hydrochloride. <i>Food Chemistry</i> , <b>2018</b> , 240, 935-939	8.5	20
32	Comparative Investigations on Wettability of Typical Marine, Continental, and Transitional Shales in the Middle Yangtze Platform (China). <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 12187-12197	4.1	13
31	Bright carbon dots via inner filter effect for the sensitive determination of the purine metabolic disorder in human fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 203, 421-427	4.4	8
30	Inclusion complexes of GA and the plant growth regulation activities. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 475-485	8.3	8
29	Thermal Stability Improvement of Rice Bran Albumin Protein Incorporated with Epigallocatechin Gallate. <i>Journal of Food Science</i> , <b>2017</b> , 82, 350-357	3.4	10
28	Urea-Driven Epigallocatechin Gallate (EGCG) Permeation into the Ferritin Cage, an Innovative Method for Fabrication of Protein-Polyphenol Co-assemblies. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 1410-1419	5.7	33
27	Spontaneous Imbibition of Three Leading Shale Formations in the Middle Yangtze Platform, South China. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 6903-6916	4.1	26
26	Microelectric Current Treatment Enhanced Biodegradation of Pumpkin Lignocelluloses by <i>Trichoderma reesei</i> RUT-C30. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 4668-4675	5.7	1
25	New highly selective turn-on fluorescence receptor for the detection of copper (II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 174, 307-315	4.4	3
24	EGLN1/c-Myc Induced Lymphoid-Specific Helicase Inhibits Ferroptosis through Lipid Metabolic Gene Expression Changes. <i>Theranostics</i> , <b>2017</b> , 7, 3293-3305	12.1	106

23	Chromatin Remodeling Factor LSH is Upregulated by the LRP6-GSK3 $\beta$ -E2F1 Axis Linking Reversely with Survival in Gliomas. <i>Theranostics</i> , <b>2017</b> , 7, 132-143	12.1	44
22	Ferritin glycosylated by chitosan as a novel EGCG nano-carrier: Structure, stability, and absorption analysis. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 252-261	7.9	24
21	Thermally Induced Encapsulation of Food Nutrients into Phytoferritin through the Flexible Channels without Additives. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 9950-9955	5.7	13
20	Neurotensin signaling stimulates glioblastoma cell proliferation by upregulating c-Myc and inhibiting miR-29b-1 and miR-129-3p. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 216-26	1	24
19	Epigallocatechin Gallate (EGCG) Decorating Soybean Seed Ferritin as a Rutin Nanocarrier with Prolonged Release Property in the Gastrointestinal Tract. <i>Plant Foods for Human Nutrition</i> , <b>2016</b> , 71, 277-85	3.9	27
18	Fabrication and characterization of ferritin $\chi$ chitosan $\chi$ lutein shell $\chi$ ore nanocomposites and lutein stability and release evaluation in vitro. <i>RSC Advances</i> , <b>2016</b> , 6, 35267-35279	3.7	19
17	Synthesis of homogeneous protein-stabilized rutin nanodispersions by reversible assembly of soybean (Glycine max) seed ferritin. <i>RSC Advances</i> , <b>2015</b> , 5, 31533-31540	3.7	40
16	The littoral red alga <i>Pyropia haitanensis</i> uses rapid accumulation of floridoside as the desiccation acclimation strategy. <i>Journal of Applied Phycology</i> , <b>2015</b> , 27, 621-632	3.2	27
15	Disappearance of the filler $\chi$ An interesting interfacial evolution during the photooxidative aging of polypropylene composites. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	1
14	Effect of <i>Ganoderma lucidum</i> spores intervention on glucose and lipid metabolism gene expression profiles in type 2 diabetic rats. <i>Lipids in Health and Disease</i> , <b>2015</b> , 14, 49	4.4	22
13	Enhanced thermal and antibacterial properties of cross-linked waxy maize starch granules by chitosan via dry heat treatment. <i>International Journal of Food Science and Technology</i> , <b>2015</b> , 50, 899-905	3.8	6
12	Inclusion complex of GA-13316 with $\beta$ -cyclodextrin: preparation, characterization, molecular modeling, and in vitro evaluation. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 655-62	10.3	26
11	Different responses to heat shock stress revealed heteromorphic adaptation strategy of <i>Pyropia haitanensis</i> (Bangiales, Rhodophyta). <i>PLoS ONE</i> , <b>2014</b> , 9, e94354	3.7	22
10	Determination of oxidized scytonemin in <i>Nostoc commune</i> Vauch cultured on different conditions by high performance liquid chromatography coupled with triple quadrupole mass spectrometry. <i>Journal of Applied Phycology</i> , <b>2013</b> , 25, 1001-1007	3.2	14
9	Saccharification of pumpkin residues by coculturing of <i>Trichoderma reesei</i> RUT-C30 and <i>Phanerochaete chrysosporium</i> Burdsall with delayed inoculation timing. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 9192-9	5.7	14
8	Inclusion complex of GA-13315 with cyclodextrins: preparation, characterization, inclusion mode and properties. <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 89-97	10.3	17
7	Multi-antenna compressed wideband spectrum sensing for cognitive radio <b>2011</b> ,		4
6	Porous zinc(II)-organic framework with potential open metal sites: Synthesis, structure and property. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1436-1440	7.9	13

5	Coordination-directed one-dimensional coordination polymers generated from a new oxadiazole bridging ligand and HgX <sub>2</sub> (X=Cl, Br and I). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2011</b> , 67, m176-80		3
4	Modeling the gasification based biomass co-firing in a 600MW pulverized coal boiler <b>2009</b> ,		1
3	Revealing Graphitic Nitrogen Participating in p-Conjugated Domain as Emissive Center of Red Carbon Dots and Applied to Red Room-Temperature Phosphorescence. <i>New Journal of Chemistry</i> ,	3.6	4
2	The Influence of Analytical Particle Size on the Pore System Measured by CO <sub>2</sub> , N <sub>2</sub> , and Ar Adsorption Experiments for Shales. <i>Energy &amp; Fuels</i> ,	4.1	1
1	RDC-SAL: Refine distance compensating with quantum scale-aware learning for crowd counting and localization. <i>Applied Intelligence</i> ,1	4.9	1