

Ri-sheng Yao

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Structure and Saccharification of Rice Straw Pretreated with Microwave-Assisted Dilute Lye. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6270-6274.	3.7	45
2	Fabrication of mesoporous lignin-based biosorbent from rice straw and its application for heavy-metal-ion removal. <i>Journal of Environmental Sciences</i> , 2017, 53, 132-140.	6.1	39
3	Phase Transition Behavior of HPMC-AA and Preparation of HPMC-PAA Nanogels. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	2.7	37
4	Sophorolipid biosynthesis and production from diverse hydrophilic and hydrophobic carbon substrates. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 77-100.	3.6	35
5	Degradation of phenolic compounds with hydrogen peroxide catalyzed by enzyme from <i>Serratia marcescens</i> AB 90027. <i>Water Research</i> , 2006, 40, 3091-3098.	11.3	31
6	Structure and saccharification of rice straw pretreated with sulfur trioxide micro-thermal explosion collaborative dilutes alkali. <i>Bioresource Technology</i> , 2011, 102, 6340-6343.	9.6	26
7	Vitamin B ₂ -Initiated Hydroxyl Radical Generation under Visible Light in the Presence of Dissolved Iron. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1756-1763.	6.7	24
8	Degradation of 4-aminophenol by hydrogen peroxide oxidation using enzyme from <i>Serratia marcescens</i> as catalyst. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 95-98.	0.8	23
9	Synthesis and pH-induced phase transition behavior of PAA/PVA nanogels in aqueous media. <i>Journal of Applied Polymer Science</i> , 2009, 111, 358-362.	2.6	21
10	Preparation and Characterization of Starch Nanoparticles from Potato Starch by Combined Solid-State Acid-Catalyzed Hydrolysis and Nanoprecipitation. <i>Starch/Staerke</i> , 2019, 71, 1900095.	2.1	21
11	Sophorolipids production from rice straw via SO ₃ micro-thermal explosion by <i>Wickerhamiella domercqiae</i> var. <i>sophorolipid</i> CGMCC 1576. <i>AMB Express</i> , 2016, 6, 60.	3.0	20
12	Synthesis and biological evaluation of some novel resveratrol amide derivatives as potential anti-tumor agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 222-231.	5.5	19
13	Diversity evolution and jump of Polo-like kinase 1 inhibitors. <i>Science China Chemistry</i> , 2013, 56, 1392-1401.	8.2	19
14	Synthesis, biological evaluation and molecular docking studies of resveratrol derivatives possessing curcumin moiety as potent antitubulin agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1113-1121.	3.0	16
15	A new macrolactam derivative from the marine actinomycete HF-11225. <i>Journal of Antibiotics</i> , 2018, 71, 477-479.	2.0	13
16	Mutant breeding of <i>Starmerella bombicola</i> by atmospheric and room-temperature plasma (ARTP) for improved production of specific or total sophorolipids. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1869-1883.	3.4	12
17	HPMC/PAA hybrid nanogels via aqueous-phase synthesis for controlled delivery of insulin. <i>Biomaterials Science</i> , 2014, 2, 1761-1767.	5.4	11
18	One-step fermentation of pretreated rice straw producing microbial oil by a novel strain of <i>Mortierella elongata</i> PFY. <i>Bioresource Technology</i> , 2012, 124, 512-515.	9.6	10

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19	Synthesis, Characterization and Antitumor Activity of Novel Ferrocene-Based Amides Bearing Pyrazolyl Moiety. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 419-426.	3.7	10
20	Preparation of monodisperse HPMC/PAA hybrid nanogels via surfactant-free seed polymerization. <i>Colloid and Polymer Science</i> , 2014, 292, 317-324.	2.1	9
21	A new trick (hydroxyl radical generation) of an old vitamin (B ₂) for near-infrared-triggered photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 102647-102656.	3.6	8
22	Silica-based hybrid microspheres: synthesis, characterization and wastewater treatment. <i>RSC Advances</i> , 2013, 3, 25620.	3.6	7
23	Enhanced saccharification for wheat straw with micro-thermal explosion technology of in situ SO ₃ reaction. <i>Chemical Engineering Journal</i> , 2016, 286, 394-399.	12.7	7
24	Design, synthesis and evaluation of PD176252 analogues for ameliorating cisplatin-induced nephrotoxicity. <i>MedChemComm</i> , 2019, 10, 757-763.	3.4	7
25	Dual Anti-cancer and Anti-Itch Activity of PD176252 Analogues: Design, Synthesis and Biological Evaluation. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 992-1001.	1.7	5
26	Preparation of Carboxymethylchitosan Nanoparticles with Acid-Sensitive Bond Based on Solid Dispersion of 10-Hydroxycamptothecin. <i>ISRN Pharmaceutics</i> , 2011, 2011, 1-9.	1.0	4
27	Design, Synthesis and Anti-itch Activity Evaluation of Aromatic Amino Acid Derivatives as Gastrin-Releasing Peptide Receptor Antagonists. <i>Medicinal Chemistry</i> , 2012, 8, 865-873.	1.5	4
28	<i>In-situ</i> reactive heat breaking cell wall by SO ₃ hydration: innovative cell-wall breaking technique to enhance extraction of cinnamaldehyde from cinnamon. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 833-841.	1.9	3
29	Design, Synthesis and Cytotoxic Evaluation of Novel Imatinib Amide Derivatives that Target Abl Kinase. <i>Letters in Drug Design and Discovery</i> , 2014, 12, 20-28.	0.7	2
30	Anti-inflammatory Effects of a Small Molecule Gastrin-Releasing Peptide Receptor Antagonist on Adjuvant-Induced Rheumatoid Arthritis in Rats. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 410-415.	1.3	2
31	Discovery of a novel GRPR antagonist for protection against cisplatin-induced acute kidney injury. <i>Bioorganic Chemistry</i> , 2022, 124, 105794.	4.1	2
32	Biological evaluation of 2-methylpyrimidine derivatives as active pan Bcr-Abl inhibitors. <i>Science China Chemistry</i> , 2014, 57, 823-832.	8.2	1
33	Structure-activity relationship studies on Pd176252 derivatives leading to discovery of novel GRP receptor antagonist with potent anticancer activity. <i>Medicinal Chemistry Research</i> , 2021, 30, 2069.	2.4	1
34	Design, Synthesis and Bioactivity Evaluation of Novel Chalcone Derivatives Possessing Tryptophan Moiety with Dual Activities of Anti-Cancer and Partially Restoring the Proliferation of Normal Kidney Cells Pre-Treated with Cisplatin. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 1945-1961.	1.7	1
35	An improved procedure for the synthesis of 2-morpholinoethanamine. <i>Research on Chemical Intermediates</i> , 2010, 36, 523-528.	2.7	0
36	An efficient and green process for the synthesis of 5-methyl-2-nitrobenzoic acid. <i>Research on Chemical Intermediates</i> , 2018, 44, 2751-2759.	2.7	0

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37	Preparation and Properties of Polyacrylic Acid/Soluble Starch Complex Nanoparticles by Surfactant-Free Polymerization. <i>Starch/Staerke</i> , 2021, 73, 2000065.	2.1	0
38	Degradation and Transformation of Lignin by a Fungus Strain F-1. <i>Iranian Journal of Biotechnology</i> , 2020, 18, e2461.	0.3	0
39	Design, Synthesis and Biological Evaluation of Novel 1, 3, 4-Oxadiazole PD176252 Analogues as Potential GRPR Inhibitors. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 3009-3024.	1.7	0