

Yu-Hong Ren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5035029/publications.pdf>

Version: 2024-02-01

51
papers

1,312
citations

394421

19
h-index

361022

35
g-index

52
all docs

52
docs citations

52
times ranked

1973
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile, high efficiency immobilization of lipase enzyme on magnetic iron oxide nanoparticles via a biomimetic coating. <i>BMC Biotechnology</i> , 2011, 11, 63.	3.3	242
2	The yeast peroxisome: A dynamic storage depot and subcellular factory for squalene overproduction. <i>Metabolic Engineering</i> , 2020, 57, 151-161.	7.0	141
3	Fe ³⁺ -induced oxidation and coordination cross-linking in catechol-chitosan hydrogels under acidic pH conditions. <i>RSC Advances</i> , 2015, 5, 37377-37384.	3.6	78
4	Artificial Multienzyme Supramolecular Device: Highly Ordered Self-Assembly of Oligomeric Enzymes In Vitro and In Vivo. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14027-14030.	13.8	64
5	Reversion of multidrug resistance by tumor targeted delivery of antisense oligodeoxynucleotides in hydroxypropyl-chitosan nanoparticles. <i>Biomaterials</i> , 2010, 31, 4426-4433.	11.4	61
6	Metabolic compartmentalization in yeast mitochondria: Burden and solution for squalene overproduction. <i>Metabolic Engineering</i> , 2021, 68, 232-245.	7.0	51
7	One-step purification and immobilization of his-tagged protein via Ni ²⁺ -functionalized Fe ₃ O ₄ @polydopamine magnetic nanoparticles. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 901-907.	2.6	46
8	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> To Overproduce Squalene. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2132-2138.	5.2	43
9	Enhancement of the activity of enzyme immobilized on polydopamine-coated iron oxide nanoparticles by rational orientation of formate dehydrogenase. <i>Journal of Biotechnology</i> , 2014, 188, 36-41.	3.8	41
10	Efficient production of (R)-(α)-mandelic acid in biphasic system by immobilized recombinant <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2013, 167, 433-440.	3.8	32
11	Anti-inflammatory effects of active constituents extracted from Chinese medicinal herbs against <i>Propionibacterium acnes</i> . <i>Natural Product Research</i> , 2012, 26, 1746-1749.	1.8	30
12	Enhancing Biosynthesis of a Ginsenoside Precursor by Self-Assembly of Two Key Enzymes in <i>Pichia pastoris</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3380-3385.	5.2	30
13	Enhanced itaconic acid production by self-assembly of two biosynthetic enzymes in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 457-462.	3.3	30
14	Manufacturing Multienzymatic Complex Reactors <i>In Vivo</i> by Self-Assembly To Improve the Biosynthesis of Itaconic Acid in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 1244-1250.	3.8	29
15	Magnetic Catechol-Chitosan with Bioinspired Adhesive Surface: Preparation and Immobilization of α -Transaminase. <i>PLoS ONE</i> , 2012, 7, e41101.	2.5	28
16	A novel technique for in situ aggregation of <i>Gluconobacter oxydans</i> using bioadhesive magnetic nanoparticles. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2970-2977.	3.3	28
17	Characterization and engineering control of the effects of reactive oxygen species on the conversion of sterols to steroid synthons in <i>Mycobacterium neoaurum</i> . <i>Metabolic Engineering</i> , 2019, 56, 97-110.	7.0	23
18	Improve the Biosynthesis of Baicalein and Scutellarein via Manufacturing Self-Assembly Enzyme Reactor <i>In Vivo</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1087-1094.	3.8	22

#	ARTICLE	IF	CITATIONS
19	Design and evaluation of a phospholipase D based drug delivery strategy of novel phosphatidyl-prodrug. <i>Biomaterials</i> , 2017, 131, 1-14.	11.4	21
20	Engineering <i>Saccharomyces cerevisiae</i> for Hyperproduction of Î ² -Amyrin by Mitigating the Inhibition Effect of Squalene on Î ² -Amyrin Synthase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 229-237.	5.2	20
21	Overcoming Multidrug Resistance in Human Carcinoma Cells by an Antisense Oligodeoxynucleotide-Doxorubicin Conjugate <i>in Vitro</i> and <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2008, 5, 579-587.	4.6	16
22	Fe ³⁺ -induced bioinspired chitosan hydrogels for the sustained and controlled release of doxorubicin. <i>RSC Advances</i> , 2016, 6, 47940-47947.	3.6	14
23	A novel nitrilase from <i>Ralstonia eutropha</i> H16 and its application to nicotinic acid production. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1271-1281.	3.4	14
24	Construction and characterization of the recombinant immunotoxin RTA-4D5-KDEL targeting HER2/neu-positive cancer cells and locating the endoplasmic reticulum. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9585-9594.	3.6	14
25	In vitro reversal MDR of human carcinoma cell line by an antisense oligodeoxynucleotide-doxorubicin conjugate. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 520-526.	5.6	12
26	Inhibition of P-glycoprotein and increasing of drug-sensitivity of a human carcinoma cell line (KB-A-1) by an antisense oligodeoxynucleotide-doxorubicin conjugate <i>in vitro</i> . <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 137.	3.1	11
27	Construction of a reusable multi-enzyme supramolecular device via disulfide bond locking. <i>Chemical Communications</i> , 2015, 51, 10131-10133.	4.1	11
28	Characterization of a novel nitrilase, BGC4, from <i>Paraburkholderia graminis</i> showing wide-spectrum substrate specificity, a potential versatile biocatalyst for the degradation of nitriles. <i>Biotechnology Letters</i> , 2017, 39, 1725-1731.	2.2	11
29	Photocontrol of Itaconic Acid Synthesis in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 2080-2088.	3.8	11
30	Engineering diverse eubacteria promoters for robust Gene expression in <i>Streptomyces lividans</i> . <i>Journal of Biotechnology</i> , 2019, 289, 93-102.	3.8	10
31	A CRISPRi mediated self-inducible system for dynamic regulation of TCA cycle and improvement of itaconic acid production in <i>Escherichia coli</i> . <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 982-988.	3.7	10
32	Biosynthesis of L-Erythrose by Assembly of Two Key Enzymes in <i>Gluconobacter oxydans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7721-7725.	5.2	9
33	Establishment of a low-dosage IPTG inducible expression system construction method in <i>Escherichia coli</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 806-810.	3.3	9
34	Whole-Cell Biocatalyst for Rubusoside Production in <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13155-13163.	5.2	9
35	Quantification intracellular levels of oligodeoxynucleotide-doxorubicin conjugate in human carcinoma cells <i>in situ</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 387-391.	2.8	8
36	Reversible Photocontrol of Lipase Activity by Incorporating a Photoswitch into the Lid Domain. <i>ChemPhotoChem</i> , 2017, 1, 393-396.	3.0	8

#	ARTICLE	IF	CITATIONS
37	Facile synthesis of glutathione-functionalized Fe ₃ O ₄ @polydopamine for separation of GST-tagged protein. <i>Materials Letters</i> , 2014, 128, 392-395.	2.6	7
38	Development of nitrilase-mediated process for phenylacetic acid production from phenylacetonitrile. <i>Chemical Papers</i> , 2017, 71, 1985-1992.	2.2	7
39	Photocontrolled reversible self-assembly of dodecamer nitrilase. <i>Bioresources and Bioprocessing</i> , 2017, 4, 36.	4.2	7
40	Lithocarpins Eâ€”G, Potent <sc>Antiâ€”Tumor Tenelloneâ€”Macrolides</sc> from the <sc>Deepâ€”Sea</sc> Fungus <i>Phomopsis lithocarpus</i> <sc>FS508</sc>. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1104-1112.	4.9	7
41	Study of the Stability of Oligodeoxynucleotideâ€”Doxorubicin Conjugate In Vitro and Its Pharmacokinetics In Vivo by RPâ€”HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 3105-3115.	1.0	5
42	Acylated Amino oligosaccharides from the Yellow Sea <i>Streptomyces</i> sp. HO1518 as Both Î±-Glucosidase and Lipase Inhibitors. <i>Marine Drugs</i> , 2020, 18, 576.	4.6	5
43	An Antisense Oligodeoxynucleotideâ€”Doxorubicin Conjugate: Preparation and Its Reversal Multidrug Resistance of Human Carcinoma Cell Line In Vitro. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1595-1607.	1.1	4
44	Reversible photocontrol of oxidase activity by inserting a photosensitive domain into the oxidase. <i>Bioresources and Bioprocessing</i> , 2019, 6, .	4.2	4
45	Diversion of metabolic flux towards 5-deoxy(iso)flavonoid production via enzyme self-assembly in <i>Escherichia coli</i> . <i>Metabolic Engineering Communications</i> , 2021, 13, e00185.	3.6	4
46	Cadmium sulfide net framework nanoparticles for photo-catalyzed cell redox. <i>RSC Advances</i> , 2020, 10, 37820-37825.	3.6	4
47	Rational engineering in <i>Escherichia coli</i> for highâ€”titer production of baicalein based on genomeâ€”scale target identification. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1916-1925.	3.3	4
48	The expression, purification, and functional evaluation of the novel tumor suppressor fusion protein IL-24-CN. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7889-7898.	3.6	2
49	Rapid Mining of Novel Î±-Glucosidase and Lipase Inhibitors from <i>Streptomyces</i> sp. HO1518 Using UPLC-QTOF-MS/MS. <i>Marine Drugs</i> , 2022, 20, 189.	4.6	2
50	Construction of an Oscillator Gene Circuit by Negative and Positive Feedbacks. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 139-144.	2.1	1
51	SAC-TRAIL, a novel anticancer fusion protein: expression, purification, and functional characterization. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1511.	3.6	1