

# He Huang

## List of Publications by Year in descending order

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28  
papers

1,000  
citations

394421

19  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated biorefinery approaches for the industrialization of cellulosic ethanol fuel. <i>Bioresource Technology</i> , 2022, 360, 127516.	9.6	30
2	In-situ corn fiber conversion method unlocks the role of viscosity on enhancing ethanol yield by reducing side-product glycerol. <i>Industrial Crops and Products</i> , 2021, 169, 113653.	5.2	4
3	Computer-Assisted Enzyme-Cocktail Approach Highly Improves Bioethanol Yield. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14277-14287.	6.7	7
4	Highly Selective Oxidation of 5-Hydroxymethylfurfural to 5-Hydroxymethyl-2-Furancarboxylic Acid by a Robust Whole-Cell Biocatalyst. <i>Catalysts</i> , 2019, 9, 526.	3.5	26
5	<i>In situ</i> pretreatment during distillation improves corn fiber conversion and ethanol yield in the dry mill process. <i>Green Chemistry</i> , 2019, 21, 1080-1090.	9.0	21
6	The diversity and commonalities of the radiation-resistance mechanisms of <i>Deinococcus</i> and its up-to-date applications. <i>AMB Express</i> , 2019, 9, 138.	3.0	39
7	Ethanol production from mixtures of Distiller's Dried Grains with Solubles (DDGS) and corn. <i>Industrial Crops and Products</i> , 2019, 129, 59-66.	5.2	21
8	Effects of dispersible MoS <sub>2</sub> nanosheets and Nano-silver coexistence on the metabolome of yeast. <i>Chemosphere</i> , 2018, 198, 216-225.	8.2	17
9	In-situ corn fiber conversion improves ethanol yield in corn dry-mill process. <i>Industrial Crops and Products</i> , 2018, 113, 217-224.	5.2	29
10	Development of a cooperative two-factor adaptive-evolution method to enhance lipid production and prevent lipid peroxidation in <i>Schizochytrium</i> sp.. <i>Biotechnology for Biofuels</i> , 2018, 11, 65.	6.2	77
11	Catalytic fast pyrolysis of cellulose to aromatics over hierarchical nanocrystalline ZSM-5 zeolites prepared using sucrose as a template. <i>Catalysis Communications</i> , 2018, 110, 102-105.	3.3	41
12	Controlled synthesis of hierarchical ZSM-5 for catalytic fast pyrolysis of cellulose to aromatics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21178-21185.	10.3	38
13	Enhancing biomass and lipid accumulation in the microalgae <i>Schizochytrium</i> sp. by addition of fulvic acid and EDTA. <i>AMB Express</i> , 2018, 8, 150.	3.0	25
14	Effect of Bulk MoS <sub>2</sub> on the Metabolic Profile of Yeast. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3901-3907.	0.9	2
15	Dispersible MoS <sub>2</sub> micro-sheets induced a proinflammatory response and apoptosis in the gills and liver of adult zebrafish. <i>RSC Advances</i> , 2018, 8, 17826-17836.	3.6	16
16	Analysis and expression of the carotenoid biosynthesis genes from <i>Deinococcus wulumuqiensis</i> R12 in engineered <i>Escherichia coli</i> . <i>AMB Express</i> , 2018, 8, 94.	3.0	19
17	Tumor targeted nanostructured lipid carrier co-delivering paclitaxel and indocyanine green for laser triggered synergetic therapy of cancer. <i>RSC Advances</i> , 2017, 7, 35086-35095.	3.6	43
18	Catalytic fast pyrolysis of cellulose in a microreactor system using hierarchical zsm-5 zeolites treated with various alkalis. <i>Applied Catalysis A: General</i> , 2017, 547, 274-282.	4.3	84

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19	Dispersible MoS <sub>2</sub> Nanosheets Activated TGF- $\beta$ 2/Smad Pathway and Perturbed the Metabolome of Human Dermal Fibroblasts. ACS Biomaterials Science and Engineering, 2017, 3, 3261-3272.	5.2	19
20	Enhancement of docosahexaenoic acid synthesis by manipulation of antioxidant capacity and prevention of oxidative damage in Schizochytrium sp.. Bioresource Technology, 2017, 223, 141-148.	9.6	91
21	Investigating the Influence of MoS <sub>2</sub> Nanosheets on E. coli from Metabolomics Level. PLoS ONE, 2016, 11, e0167245.	2.5	42
22	Factors to decrease the cellulose conversion of enzymatic hydrolysis of lignocellulose at high solid concentrations. Cellulose, 2014, 21, 2409-2417.	4.9	26
23	Genome Sequence of a Gamma- and UV-Ray-Resistant Strain, Deinococcus wulumuqiensis R12. Genome Announcements, 2013, 1, .	0.8	13
24	10.2478/s11814-009-0240-5. , 2011, 26, 1679.		0
25	Development of a stepwise aeration control strategy for efficient docosahexaenoic acid production by Schizochytrium sp.. Applied Microbiology and Biotechnology, 2010, 87, 1649-1656.	3.6	158
26	Enhanced 1,3-propanediol production in recombinant Klebsiella pneumoniae carrying the gene yqhD encoding 1,3-propanediol oxidoreductase isoenzyme. World Journal of Microbiology and Biotechnology, 2009, 25, 1217-1223.	3.6	24
27	Production of 3-hydroxypropionic acid by recombinant Klebsiella pneumoniae based on aeration and ORP controlled strategy. Korean Journal of Chemical Engineering, 2009, 26, 1679-1685.	2.7	24
28	Computational Fluid Dynamics Modeling of Coal Gasification in a Pressurized Spout-Fluid Bed. Energy & Fuels, 2008, 22, 1560-1569.	5.1	64