He Huang

List of Publications by Year
in descending order

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28	1,000	394421	526287
papers	citations	19 h-index	27 g-index

28	28	28	1200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Catalytic fast pyrolysis of cellulose in a microreactor system using hierarchical zsm-5 zeolites treated with various alkalis. Applied Catalysis A: General, 2017, 547, 274-282.	4.3	84
4	Development of a cooperative two-factor adaptive-evolution method to enhance lipid production and prevent lipid peroxidation in Schizochytrium sp.. Biotechnology for Biofuels, 2018, 11, 65.	6.2	77
5	Computational Fluid Dynamics Modeling of Coal Gasification in a Pressurized Spout-Fluid Bed. Energy & Fuels, 2008, 22, 1560-1569.	5.1	64
6	Tumor targeted nanostructured lipid carrier co-delivering paclitaxel and indocyanine green for laser triggered synergetic therapy of cancer. RSC Advances, 2017, 7, 35086-35095.	3.6	43
7	Investigating the Influence of MoS2 Nanosheets on E. coli from Metabolomics Level. PLoS ONE, 2016, 11, e0167245.	2.5	42
8	Catalytic fast pyrolysis of cellulose to aromatics over hierarchical nanocrystalline ZSM-5 zeolites prepared using sucrose as a template. Catalysis Communications, 2018, 110, 102-105.	3.3	41
9	The diversity and commonalities of the radiation-resistance mechanisms of Deinococcus and its up-to-date applications. AMB Express, 2019, 9, 138.	3.0	39
10	Controlled synthesis of hierarchical ZSM-5 for catalytic fast pyrolysis of cellulose to aromatics. Journal of Materials Chemistry A, 2018, 6, 21178-21185.	10.3	38
11	Integrated biorefinery approaches for the industrialization of cellulosic ethanol fuel. Bioresource Technology, 2022, 360, 127516.	9.6	30
12	In-situ corn fiber conversion improves ethanol yield in corn dry-mill process. Industrial Crops and Products, 2018, 113, 217-224.	5.2	29
13	Factors to decrease the cellulose conversion of enzymatic hydrolysis of lignocellulose at high solid concentrations. Cellulose, 2014, 21, 2409-2417.	4.9	26
14	Highly Selective Oxidation of 5-Hydroxymethylfurfural to 5-Hydroxymethyl-2-Furancarboxylic Acid by a Robust Whole-Cell Biocatalyst. Catalysts, 2019, 9, 526.	3.5	26
15	Enhancing biomass and lipid accumulation in the microalgae Schizochytrium sp. by addition of fulvic acid and EDTA. AMB Express, 2018, 8, 150.	3.0	25
16	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
17	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
18	In situ pretreatment during distillation improves corn fiber conversion and ethanol yield in the dry mill process. Green Chemistry, 2019, 21, 1080-1090.	9.0	21

#	Article	IF	Citations
19	Ethanol production from mixtures of Distillerâ€™s Dried Grains with Solubles (DDGS) and corn. Industrial Crops and Products, 2019, 129, 59-66.	5.2	21
20	Dispersible MoS₂ Nanosheets Activated TGF-Î²/Smad Pathway and Perturbed the Metabolome of Human Dermal Fibroblasts. ACS Biomaterials Science and Engineering, 2017, 3, 3261-3272.	5.2	19
21	Analysis and expression of the carotenoid biosynthesis genes from Deinococcus wulumuqiensis R12 in engineered Escherichia coli. AMB Express, 2018, 8, 94.	3.0	19
22	Effects of dispersible MoS2 nanosheets and Nano-silver coexistence on the metabolome of yeast. Chemosphere, 2018, 198, 216-225.	8.2	17
23	Dispersible MoS₂ micro-sheets induced a proinflammatory response and apoptosis in the gills and liver of adult zebrafish. RSC Advances, 2018, 8, 17826-17836.	3.6	16
24	Genome Sequence of a Gamma- and UV-Ray-Resistant Strain, Deinococcus wulumuqiensis R12. Genome Announcements, 2013, 1, .	0.8	13
25	Computer-Assisted Enzyme-Cocktail Approach Highly Improves Bioethanol Yield. ACS Sustainable Chemistry and Engineering, 2021, 9, 14277-14287.	6.7	7
26	In-situ corn fiber conversion method unlocks the role of viscosity on enhancing ethanol yield by reducing side-product glycerol. Industrial Crops and Products, 2021, 169, 113653.	5.2	4
27	Effect of Bulk MoS2 on the Metabolic Profile of Yeast. Journal of Nanoscience and Nanotechnology, 2018, 18, 3901-3907.	0.9	2
28	10.2478/s11814-009-0240-5. , 2011, 26, 1679.		0