

Di Huang

List of Publications by Year in descending order

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60
papers

1,598
citations

279798

23
h-index

315739

38
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62
all docs

62
docs citations

62
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite solar cells with a DMSO-treated PEDOT:PSS hole transport layer exhibit higher photovoltaic performance and enhanced durability. <i>Nanoscale</i> , 2017, 9, 4236-4243.	5.6	135
2	Metabolic engineering of <i>Escherichia coli</i> for the production of 2- α -fucosyllactose and 3-fucosyllactose through modular pathway enhancement. <i>Metabolic Engineering</i> , 2017, 41, 23-38.	7.0	112
3	Complete genome sequence and transcriptomics analyses reveal pigment biosynthesis and regulatory mechanisms in an industrial strain, <i>Monascus purpureus</i> YY-1. <i>Scientific Reports</i> , 2015, 5, 8331.	3.3	104
4	Enhanced FK506 production in <i>Streptomyces tsukubaensis</i> by rational feeding strategies based on comparative metabolic profiling analysis. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2717-2730.	3.3	74
5	<i>Salmonella</i> Typhimurium reprograms macrophage metabolism via T3SS effector SopE2 to promote intracellular replication and virulence. <i>Nature Communications</i> , 2021, 12, 879.	12.8	74
6	Genome-scale metabolic network guided engineering of <i>Streptomyces tsukubaensis</i> for FK506 production improvement. <i>Microbial Cell Factories</i> , 2013, 12, 52.	4.0	67
7	Enhanced performance and morphological evolution of PTB7:PC ₇₁ BM polymer solar cells by using solvent mixtures with different additives. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8053-8060.	2.8	55
8	Enhancement of FK506 production by engineering secondary pathways of <i>Streptomyces tsukubaensis</i> and exogenous feeding strategies. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 1023-1037.	3.0	54
9	Highly Efficient Perovskite Solar Cells Utilizing Novel Low-Temperature Solution-Processed Hole Transport Materials with Linear Conjugated Structure. <i>Small</i> , 2016, 12, 4902-4908.	10.0	53
10	Functionalized nanoflower-like hydroxyl magnesium silicate for effective adsorption of aflatoxin B1. <i>Journal of Hazardous Materials</i> , 2020, 387, 121792.	12.4	48
11	In silico aided metabolic engineering of <i>Streptomyces roseosporus</i> for daptomycin yield improvement. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 637-649.	3.6	46
12	Revealing the Effect of Additives with Different Solubility on the Morphology and the Donor Crystalline Structures of Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18231-18237.	8.0	44
13	Synergistic hydrolysis of xylan using novel xylanases, β -xylosidases, and an α -L-arabinofuranosidase from <i>Geobacillus thermodenitrificans</i> NG80-2. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6023-6037.	3.6	42
14	Omics-based analyses revealed metabolic responses of <i>Clostridium acetobutylicum</i> to lignocellulose-derived inhibitors furfural, formic acid and phenol stress for butanol fermentation. <i>Biotechnology for Biofuels</i> , 2019, 12, 101.	6.2	42
15	Metabolic profiling of a <i>Rhizopus oryzae</i> fumaric acid production mutant generated by femtosecond laser irradiation. <i>Bioresource Technology</i> , 2012, 114, 610-615.	9.6	34
16	Rational medium optimization based on comparative metabolic profiling analysis to improve fumaric acid production. <i>Bioresource Technology</i> , 2013, 137, 1-8.	9.6	34
17	A metabolic-based approach to improve xylose utilization for fumaric acid production from acid pretreated wheat bran by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , 2015, 180, 119-127.	9.6	34
18	Comparative proteomic and metabolomic analysis of <i>Streptomyces tsukubaensis</i> reveals the metabolic mechanism of FK506 overproduction by feeding soybean oil. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2447-2465.	3.6	32

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19	Model-Driven Redox Pathway Manipulation for Improved Isobutanol Production in <i>Bacillus subtilis</i> Complemented with Experimental Validation and Metabolic Profiling Analysis. <i>PLoS ONE</i> , 2014, 9, e93815.	2.5	28
20	Comparative metabolic profiling reveals the key role of amino acids metabolism in the rapamycin overproduction by <i>Streptomyces hygroscopicus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 949-963.	3.0	25
21	Fibroblast growth factor 21 inhibited inflammation and fibrosis after myocardial infarction via EGR1. <i>European Journal of Pharmacology</i> , 2021, 910, 174470.	3.5	25
22	Metabolic Flux Analysis and Principal Nodes Identification for Daptomycin Production Improvement by <i>Streptomyces roseosporus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1725-1739.	2.9	24
23	Activation of glycerol metabolic pathway by evolutionary engineering of <i>Rhizopus oryzae</i> to strengthen the fumaric acid biosynthesis from crude glycerol. <i>Bioresource Technology</i> , 2015, 196, 263-272.	9.6	24
24	Improved FK506 production by the precursors and product-tolerant mutant of <i>Streptomyces tsukubaensis</i> based on genome shuffling and dynamic fed-batch strategies. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1131-1143.	3.0	23
25	Comparative metabolic profiling-based improvement of rapamycin production by <i>Streptomyces hygroscopicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5329-5341.	3.6	22
26	Aluminium nanoparticles synthesized by a novel wet chemical method and used to enhance the performance of polymer solar cells by the plasmonic effect. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4099-4103.	5.5	20
27	The Effects of Improved Photoelectric Properties of PEDOT:PSS by Two-Step Treatments on the Performance of Polymer Solar Cells Based on PTB7-Th:PC ₇₁ BM. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 547-552.	8.0	19
28	Comparative genomic analysis of the <i>Hafnia</i> genus reveals an explicit evolutionary relationship between the species <i>alvei</i> and <i>paralvei</i> and provides insights into pathogenicity. <i>BMC Genomics</i> , 2019, 20, 768.	2.8	19
29	Integrated Effects of Two Additives on the Enhanced Performance of PTB7:PC71BM Polymer Solar Cells. <i>Materials</i> , 2016, 9, 171.	2.9	16
30	Identification and metabolomic analysis of chemical elicitors for tacrolimus accumulation in <i>Streptomyces tsukubaensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7541-7553.	3.6	16
31	Generation of <i>Streptomyces hygroscopicus</i> cell factories with enhanced ascomycin production by combined elicitation and pathway engineering strategies. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3382-3395.	3.3	16
32	Comparative transcriptomic analysis revealed the key pathways responsible for organic sulfur removal by thermophilic bacterium <i>Geobacillus thermoglucosidasius</i> W-2. <i>Science of the Total Environment</i> , 2019, 676, 639-650.	8.0	16
33	Novel thermostable enzymes from <i>Geobacillus thermoglucosidasius</i> W-2 for high-efficient nitroalkane removal under aerobic and anaerobic conditions. <i>Bioresource Technology</i> , 2019, 278, 73-81.	9.6	16
34	Gene coexpression network analysis reveals a novel metabolic mechanism of <i>Clostridium acetobutylicum</i> responding to phenolic inhibitors from lignocellulosic hydrolysates. <i>Biotechnology for Biofuels</i> , 2020, 13, 163.	6.2	16
35	Emodin ameliorates tubulointerstitial fibrosis in obstructed kidneys by inhibiting EZH2. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 279-285.	2.1	16
36	Integrated intracellular metabolic profiling and pathway analysis approaches reveal complex metabolic regulation by <i>Clostridium acetobutylicum</i> . <i>Microbial Cell Factories</i> , 2016, 15, 36.	4.0	15

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37	A Novel Small RNA Promotes Motility and Virulence of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 in Response to Ammonium. <i>MBio</i> , 2021, 12, .	4.1	15
38	LysR-type transcriptional regulator OvrB encoded in O island 9 drives enterohemorrhagic <i>Escherichia coli</i> O157:H7 virulence. <i>Virulence</i> , 2019, 10, 783-792.	4.4	13
39	Highly Efficient and Operational Stability Polymer Solar Cells Employing Nonhalogenated Solvents and Additives. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24075-24081.	8.0	12
40	PagR mediates the precise regulation of <i>Salmonella</i> pathogenicity island 2 gene expression in response to magnesium and phosphate signals in <i>Salmonella</i> Typhimurium. <i>Cellular Microbiology</i> , 2020, 22, e13125.	2.1	12
41	An additive dripping technique using diphenyl ether for tuning perovskite crystallization for high-efficiency solar cells. <i>Nano Research</i> , 2018, 11, 2648-2657.	10.4	11
42	Huangqi Guizhi Wuwu Decoction attenuates Podocyte cytoskeletal protein damage in IgA nephropathy rats by regulating AT1R/Nephrin/c-Abl pathway. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111907.	5.6	10
43	Transcriptome analysis of virulence gene regulation by the ATP-dependent Lon protease in <i>Salmonella</i> Typhimurium. <i>Future Microbiology</i> , 2019, 14, 1109-1122.	2.0	9
44	Genetically engineered thermotolerant facultative anaerobes for high-efficient degradation of multiple hazardous nitroalkanes. <i>Journal of Hazardous Materials</i> , 2021, 405, 124253.	12.4	8
45	High efficiency biosynthesis of O-polysaccharide-based vaccines against extraintestinal pathogenic <i>Escherichia coli</i> . <i>Carbohydrate Polymers</i> , 2021, 255, 117475.	10.2	8
46	Comparative metabolomics analysis reveals the metabolic regulation mechanism of yellow pigment overproduction by <i>Monascus</i> using ammonium chloride as a nitrogen source. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6369-6379.	3.6	8
47	Changing Molecular Epidemiology of <i>Vibrio cholerae</i> Outbreaks in Shanghai, China. <i>MSystems</i> , 2019, 4, .	3.8	7
48	Dirac fermion metagratings in graphene. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	7
49	Development of a molecular serotyping scheme and a multiplexed luminex-based array for <i>Providencia</i> . <i>Journal of Microbiological Methods</i> , 2018, 153, 14-23.	1.6	5
50	High-efficiency adsorption of Cd(II) and Co(II) by ethylenediaminetetraacetic dianhydride-modified orange peel as a novel synthesized adsorbent. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	5
51	Directed optimization of a newly identified squalene synthase from <i>Mortierella alpine</i> based on sequence truncation and site-directed mutagenesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1341-1352.	3.0	4
52	In silico species identification and serotyping for <i>Cronobacter</i> isolates by use of whole-genome sequencing data. <i>International Journal of Food Microbiology</i> , 2021, 358, 109405.	4.7	4
53	The putative transcriptional regulator STM14_3563 facilitates <i>Salmonella</i> Typhimurium pathogenicity by activating virulence-related genes. <i>International Microbiology</i> , 2020, 23, 381-390.	2.4	3
54	Renal asymmetric dimethylarginine inhibits fibrosis. <i>FEBS Open Bio</i> , 2020, 10, 2003-2009.	2.3	3

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55	Construction and optimization of a microbial platform for sustainable biosynthesis of poly-N-acetyllactosamine glycoprotein in the cytoplasm for detecting tumor biomarker galectin-3. <i>Green Chemistry</i> , 2021, 23, 2668-2684.	9.0	3
56	Isotherm, kinetics, and adsorption mechanism studies of diethylenetriaminepentaacetic acid-modified banana/pomegranate peels as efficient adsorbents for removing Cd(II) and Ni(II) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3051-3061.	5.3	3
57	Development of an O-polysaccharide based recombinant glycoconjugate vaccine in engineered <i>E. coli</i> against ExPEC O1. <i>Carbohydrate Polymers</i> , 2022, 277, 118796.	10.2	3
58	Biphenyl Triarylamine Hole Transport Material for Highly Efficient and Low-Temperature Solution-Processed Perovskite Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7374-7379.	0.9	2
59	<i>Salmonella enterica</i> Serovar Typhi Induces Host Metabolic Reprogramming to Increase Glucose Availability for Intracellular Replication. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10003.	4.1	2
60	Integrating multi-omics analyses of <i>Nonomuraea dietziae</i> to reveal the role of soybean oil in [(4-OH)MeLeu] ⁴ -CsA overproduction. <i>Microbial Cell Factories</i> , 2017, 16, 120.	4.0	1