

# Di Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,598  
citations

279798

23  
h-index

315739

38  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2323  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | 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         |
| 2  | 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         |
| 3  | Emodin ameliorates tubulointerstitial fibrosis in obstructed kidneys by inhibiting EZH2. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 279-285.   | 2.1  | 16        |
| 4  | 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         |
| 5  | Construction and optimization of a microbial platform for sustainable biosynthesis of poly-N-acetylglucosamine glycoprotein in the cytoplasm for detecting tumor biomarker galectin-3. <i>Green Chemistry</i> , 2021, 23, 2668-2684.  | 9.0  | 3         |
| 6  | <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        |
| 7  | 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         |
| 8  | 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        |
| 9  | Dirac fermion metagratings in graphene. <i>Npj 2D Materials and Applications</i> , 2021, 5, .   | 7.9  | 7         |
| 10 | 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         |
| 11 | <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         |
| 12 | 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        |
| 13 | 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        |
| 14 | 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         |
| 15 | 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         |
| 16 | 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        |
| 17 | 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         |
| 18 | Functionalized nanoflower-like hydroxyl magnesium silicate for effective adsorption of aflatoxin B1. <i>Journal of Hazardous Materials</i> , 2020, 387, 121792.   | 12.4 | 48        |

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|----|--|------|-----------|
| 19 | 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        |
| 20 | Renal asymmetric dimethylarginine inhibits fibrosis. <i>FEBS Open Bio</i> , 2020, 10, 2003-2009.   | 2.3  | 3         |
| 21 | 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         |
| 22 | 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        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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        |
| 27 | Changing Molecular Epidemiology of <i>Vibrio cholerae</i> Outbreaks in Shanghai, China. <i>MSystems</i> , 2019, 4, .   | 3.8  | 7         |
| 28 | 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        |
| 29 | 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        |
| 30 | 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         |
| 31 | 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        |
| 32 | Highly Efficient and Operational Stability Polymer Solar Cells Employing Nonhalogenated Solvents and Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24075-24081.   | 8.0  | 12        |
| 33 | Biphenyl Triarylamine Hole Transport Material for Highly Efficient and Low-Temperature Solution-Processed <i>p-i-n</i> Perovskite Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7374-7379.                           | 0.9  | 2         |
| 34 | 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       |
| 35 | Metabolic engineering of <i>Escherichia coli</i> for the production of 2-fucosyllactose and 3-fucosyllactose through modular pathway enhancement. <i>Metabolic Engineering</i> , 2017, 41, 23-38.  | 7.0  | 112       |
| 36 | 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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|----|--|------|-----------|
| 37 | Synergistic hydrolysis of xylan using novel xylanases, $\beta$ -xylosidases, and an $\alpha$ -l-arabinofuranosidase from <i>Geobacillus thermodenitrificans</i> NG80-2. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6023-6037.              | 3.6  | 42        |
| 38 | Integrating multi-omics analyses of <i>Nonomuraea dietziae</i> to reveal the role of soybean oil in [(4 $\beta$ -OH)MeLeu]4-CsA overproduction. <i>Microbial Cell Factories</i> , 2017, 16, 120.   | 4.0  | 1         |
| 39 | Integrated Effects of Two Additives on the Enhanced Performance of PTB7:PC71BM Polymer Solar Cells. <i>Materials</i> , 2016, 9, 171.   | 2.9  | 16        |
| 40 | Highly Efficient $\text{p}^{\text{H}}$ Perovskite Solar Cells Utilizing Novel Low-Temperature Solution-Processed Hole Transport Materials with Linear $\pi$ -Conjugated Structure. <i>Small</i> , 2016, 12, 4902-4908.                                     | 10.0 | 53        |
| 41 | Revealing the Effect of Additives with Different Solubility on the Morphology and the Donor Crystalline Structures of Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18231-18237.   | 8.0  | 44        |
| 42 | 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 <sub>71</sub> BM. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 547-552.                     | 8.0  | 19        |
| 43 | 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        |
| 44 | 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        |
| 45 | 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       |
| 46 | Enhanced performance and morphological evolution of PTB7:PC <sub>71</sub> BM polymer solar cells by using solvent mixtures with different additives. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8053-8060.                                     | 2.8  | 55        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | Directed optimization of a newly identified squalene synthase from <i>Mortierella alpina</i> based on sequence truncation and site-directed mutagenesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1341-1352.                | 3.0  | 4         |
| 51 | 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        |
| 52 | 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        |
| 53 | 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        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | 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        |
| 60 | 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        |