

# He Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,921  
citations

279487

23  
h-index

264894

42  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2849  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Engineering proteins for thermostability through rigidifying flexible sites. <i>Biotechnology Advances</i> , 2014, 32, 308-315.   | 6.0 | 193       |
| 2  | Tumor angiogenesis and anti-angiogenic gene therapy for cancer (Review). <i>Oncology Letters</i> , 2018, 16, 687-702.   | 0.8 | 160       |
| 3  | Immunological applications of single-domain llama recombinant antibodies isolated from a naïve library. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 273-280.                   | 1.0 | 135       |
| 4  | Genetic modification of critical enzymes and involved genes in butanol biosynthesis from biomass. <i>Biotechnology Advances</i> , 2010, 28, 651-657.  | 6.0 | 110       |
| 5  | Recent agents targeting HIF-1 $\alpha$ for cancer therapy. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 498-509.  | 1.2 | 104       |
| 6  | Application of metagenomic techniques in mining enzymes from microbial communities for biofuel synthesis. <i>Biotechnology Advances</i> , 2012, 30, 920-929.                                    | 6.0 | 90        |
| 7  | Expression of single-domain antibody in different systems. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 539-551.  | 1.7 | 84        |
| 8  | Complete genome sequence of <i>Acinetobacter baumannii</i> MDR-TJ and insights into its mechanism of antibiotic resistance. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2825-2832. | 1.3 | 82        |
| 9  | The role of proline substitutions within flexible regions on thermostability of luciferase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 65-72.                 | 1.1 | 81        |
| 10 | Synthesis and activity of an octapeptide inhibitor designed for SARS coronavirus main proteinase. <i>Peptides</i> , 2006, 27, 622-625.  | 1.2 | 59        |
| 11 | Platelet factor-4 (CXCL4/PF-4): An angiostatic chemokine for cancer therapy. <i>Cancer Letters</i> , 2013, 331, 147-153.  | 3.2 | 52        |
| 12 | Polymorphisms in the hypoxia-inducible factor-1 $\alpha$ gene confer susceptibility to pancreatic cancer. <i>Cancer Biology and Therapy</i> , 2011, 12, 383-387.                                | 1.5 | 44        |
| 13 | Advances in the study of protein-DNA interaction. <i>Amino Acids</i> , 2012, 43, 1141-1146.   | 1.2 | 39        |
| 14 | Genome Sequence of <i>Acinetobacter baumannii</i> MDR-TJ. <i>Journal of Bacteriology</i> , 2011, 193, 2365-2366.  | 1.0 | 37        |
| 15 | Engineered butyrate-producing bacteria prevents high fat diet-induced obesity in mice. <i>Microbial Cell Factories</i> , 2020, 19, 94.  | 1.9 | 36        |
| 16 | Inhibition of Autophagy Strengthens Celastrol-Induced Apoptosis in Human Pancreatic Cancer In Vitro and In Vivo Models. <i>Current Molecular Medicine</i> , 2014, 14, 555-563.                  | 0.6 | 35        |
| 17 | Application of immune checkpoint targets in the anti-tumor novel drugs and traditional Chinese medicine development. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2957-2972.                  | 5.7 | 34        |
| 18 | Prokaryotic Community Distribution along an Ecological Gradient of Salinity in Surface and Subsurface Saline Soils. <i>Scientific Reports</i> , 2017, 7, 13332.                                 | 1.6 | 33        |

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|----|--|-----|-----------|
| 19 | Homology Modeling-Based in Silico Affinity Maturation Improves the Affinity of a Nanobody. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4187.  | 1.8 | 31        |
| 20 | Ribosome Display: A Potent Display Technology used for Selecting and Evolving Specific Binders with Desired Properties. <i>Molecular Biotechnology</i> , 2019, 61, 60-71.  | 1.3 | 31        |
| 21 | Decision making with the generalized intuitionistic fuzzy power interaction averaging operators. <i>Soft Computing</i> , 2017, 21, 1129-1144.  | 2.1 | 30        |
| 22 | Complete Sequence of pABTJ2, A Plasmid from <i>Acinetobacter baumannii</i> MDR-TJ, Carrying Many Phage-like Elements. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 172-177.                            | 3.0 | 28        |
| 23 | Research Progress and Applications of Multivalent, Multispecific and Modified Nanobodies for Disease Treatment. <i>Frontiers in Immunology</i> , 2021, 12, 838082.   | 2.2 | 27        |
| 24 | Effects of N-glycosylation on the biochemical properties of recombinant bEKL expressed in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2018, 114, 40-47.  | 1.6 | 26        |
| 25 | The Potential Role of Phytonutrients Flavonoids Influencing Gut Microbiota in the Prophylaxis and Treatment of Inflammatory Bowel Disease. <i>Frontiers in Nutrition</i> , 2021, 8, 798038.                          | 1.6 | 25        |
| 26 | A Potential Combination Therapy of Berberine Hydrochloride With Antibiotics Against Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 660431. | 1.8 | 24        |
| 27 | Sampling Strategies for Three-Dimensional Spatial Community Structures in IBD Microbiota Research. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 51.  | 1.8 | 23        |
| 28 | Choosing a suitable method for the identification of replication origins in microbial genomes. <i>Frontiers in Microbiology</i> , 2015, 6, 1049.   | 1.5 | 21        |
| 29 | Enhanced trypsin thermostability in <i>Pichia pastoris</i> through truncating the flexible region. <i>Microbial Cell Factories</i> , 2018, 17, 165.  | 1.9 | 19        |
| 30 | Prediction of quality markers of traditional Chinese medicines based on network pharmacology. <i>Chinese Herbal Medicines</i> , 2019, 11, 349-356.   | 1.2 | 19        |
| 31 | Targeting the Cancer Biomarker CD47: A Review on the Diverse Mechanisms of the CD47 Pathway in Cancer Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 658-667.                               | 0.9 | 17        |
| 32 | Induced fit of passenger proteins fused to Archaea maltose binding proteins. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 25-29.  | 1.0 | 15        |
| 33 | Identification of the Replication Origins from <i>Cyanotheca</i> ATCC 51142 and Their Interactions with the DnaA Protein: From In Silico to In Vitro Studies. <i>Frontiers in Microbiology</i> , 2015, 6, 1370.      | 1.5 | 15        |
| 34 | VHH212 nanobody targeting the hypoxia-inducible factor 1 $\alpha$ suppresses angiogenesis and potentiates gemcitabine therapy in pancreatic cancer &in vivo. <i>Cancer Biology and Medicine</i> , 2021, 18, 772-787. | 1.4 | 15        |
| 35 | Positive Interventional Effect of Engineered Butyrate-Producing Bacteria on Metabolic Disorders and Intestinal Flora Disruption in Obese Mice. <i>Microbiology Spectrum</i> , 2022, 10, e0114721.                    | 1.2 | 15        |
| 36 | Effect of Humanizing Mutations on the Stability of the Llama Single-Domain Variable Region. <i>Biomolecules</i> , 2021, 11, 163.   | 1.8 | 14        |

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|----|---|-----|-----------|
| 37 | The preservation of living cells with biocompatible microparticles. <i>Nanotechnology</i> , 2016, 27, 265101.   | 1.3 | 13        |
| 38 | InÂvitro affinity maturation to improve the efficacy of a hypoxia-inducible factor 1Î± single-domain intrabody. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 936-942.  | 1.0 | 13        |
| 39 | Biases in Prokaryotic Community Amplicon Sequencing Affected by DNA Extraction Methods in Both Saline and Non-saline Soil. <i>Frontiers in Microbiology</i> , 2018, 9, 1796.  | 1.5 | 12        |
| 40 | Association between genetic variants and characteristic symptoms of type 2 diabetes: A matched case-control study. <i>Chinese Journal of Integrative Medicine</i> , 2017, 23, 415-424.  | 0.7 | 11        |
| 41 | Comparative genomics analysis of <i>Acinetobacter haemolyticus</i> isolates from sputum samples of respiratory patients. <i>Genomics</i> , 2020, 112, 2784-2793.  | 1.3 | 11        |
| 42 | Isolation and Characterization of AbTJ, an <i>Acinetobacter baumannii</i> Phage, and Functional Identification of Its Receptor-Binding Modules. <i>Viruses</i> , 2020, 12, 205.   | 1.5 | 10        |
| 43 | Production and characterization of highly purified recombinant thymosin beta 4 in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013, 90, 90-95.   | 0.6 | 7         |
| 44 | Black sesame pigment extract from sesame dregs by subcritical CO <sub>2</sub> : Extraction optimization, composition analysis, binding copper and antioxidant protection. <i>LWT - Food Science and Technology</i> , 2019, 100, 28-34.                                      | 2.5 | 7         |
| 45 | A Novel Strategy for Thermostability Improvement of Trypsin Based on N-Glycosylation within the Î½2Î½2-Loop Region. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1163-1172.   | 0.9 | 7         |
| 46 | Selection by phage display of nanobodies directed against hypoxia inducible factor-1Î± (HIF-1Î±). <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 738-745.  | 1.4 | 6         |
| 47 | Isoform separation and structural identification of mono-PEGylated recombinant human growth hormone (PEG-rhGH) with pH gradient chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1044-1045, 206-213. | 1.2 | 6         |
| 48 | The distribution of apolipoprotein E gene polymorphism in Chinese civil aircrews, and a possible risk factor to their overweight and dyslipidemia is cumulative flight time. <i>Clinica Chimica Acta</i> , 2013, 416, 36-40.  | 0.5 | 4         |
| 49 | Current Status of Mining, Modification, and Application of Cellulases in Bioactive Substance Extraction. <i>Current Issues in Molecular Biology</i> , 2021, 43, 687-703.  | 1.0 | 3         |
| 50 | Prokaryotic expression of Chinese bovine enterokinase catalytic subunit. <i>Chinese Medical Journal</i> , 2004, 117, 286-90.  | 0.9 | 3         |
| 51 | Polycistronic Expression of Human Platelet Factor 4 with Heparin-Neutralizing Activity in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1855-1860.  | 0.6 | 2         |
| 52 | DsbA-DsbAmut fusion chaperon improved soluble expression of human trypsinogen-1 in <i>Escherichia coli</i> . <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 511-521.   | 2.3 | 2         |
| 53 | A Smoothing Newton Method with a Mixed Line Search for Monotone Weighted Complementarity Problems. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.  | 0.6 | 1         |
| 54 | The Expression of Bovine Enterokinase Catalytic Subunit in Methylotropic Yeast <i>Pichia pastoris</i> . , 2009, , ,   |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Synthesis of 20nm Colloidal Gold by Microwave Heating Method. Advanced Materials Research, 0, 204-210, 2045-2048. | 0.3 | 0         |