# Shuobo Shi

List of Publications by Year
in descending order

Source: //exaly.com/author-pdf/2519814/publications.pdf

Version: 2024-02-01

| 62 | 1,966 | 274196 | 215487 |
|---|---|---|---|
| papers | citations | 21 h-index | 43 g-index |

| 72 | 72 | 72 | 1930 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolic engineering of Saccharomyces cerevisiae for de novo production of odd-numbered medium-chain fatty acids. Metabolic Engineering, 2024, 82, 100-109. | 7.0 | 1 |
| 2 | Increased CO2 fixation enables high carbon-yield production of 3-hydroxypropionic acid in yeast. Nature Communications, 2024, 15, . | 12.8 | 0 |
| 3 | A CRISPR-Cas9-Mediated Large-Fragment Assembly Method for Cloning Genomes and Biosynthetic Gene Cluster. Microorganisms, 2024, 12, 1462. | 3.6 | 0 |
| 4 | Engineering propionyl-CoA pools for de novo biosynthesis of odd-chain fatty acids in microbial cell factories. Critical Reviews in Biotechnology, 2023, 43, 1063-1072. | 9.2 | 7 |
| 5 | Microbial production of oddâ€chain fatty acids. Biotechnology and Bioengineering, 2023, 120, 917-931. | 3.5 | 12 |
| 6 | De novo bioâ€production of oddâ€chain fatty acids in Saccharomyces cerevisiae through a synthetic pathway via 3â€hydroxypropionic acid. Biotechnology and Bioengineering, 2023, 120, 852-858. | 3.5 | 2 |
| 7 | Development of a Bacterial FhuD-Lysozyme-SsrA Mediated Autolytic (FLSA) System for Effective Release of Intracellular Products. ACS Synthetic Biology, 2023, 12, 196-202. | 3.9 | 4 |
| 8 | Development and Perspective of Rhodotorula toruloides as an Efficient Cell Factory. Journal of Agricultural and Food Chemistry, 2023, 71, 1802-1819. | 5.2 | 10 |
| 9 | Mining and application of constitutive promoters from Rhodosporidium toruloides. AMB Express, 2023, 13, . | 3.1 | 4 |
| 10 | CMI: CRISPR/Cas9 Based Efficient Multiplexed Integration in Saccharomyces cerevisiae. ACS Synthetic Biology, 2023, 12, 1408-1414. | 3.9 | 7 |
| 11 | Directed evolution of a wax ester synthase for production of fatty acid ethyl esters in Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 2023, 107, 2921-2932. | 3.6 | 4 |
| 12 | Exploiting a heterologous construction of the 3-hydroxypropionic acid carbon fixation pathway with mesaconate as an indicator in Saccharomyces cerevisiae. Bioresources and Bioprocessing, 2023, 10, . | 4.3 | 0 |
| 13 | A polycistronic system for multiplexed and precalibrated expression of multigene pathways in fungi. Nature Communications, 2023, 14, . | 12.8 | 8 |
| 14 | Multiplexed CRISPR-Based Nucleic Acid Detection Using a Single Cas Protein. Analytical Chemistry, 2023, 95, 16089-16097. | 6.6 | 7 |
| 15 | Microbial production of chemicals driven by CRISPR-Cas systems. Current Opinion in Biotechnology, 2022, 73, 34-42. | 6.7 | 19 |
| 16 | Ultra-specific nucleic acid testing by target-activated nucleases. Critical Reviews in Biotechnology, 2022, 42, 1061-1078. | 9.2 | 7 |
| 17 | Laparoscopic posterior pelvic exenteration for clear cell adenocarcinoma arising in an episiotomy scar. Asian Journal of Endoscopic Surgery, 2022, , . | 0.8 | 0 |
| 18 | Metabolic engineering of threonine catabolism enables Saccharomyces cerevisiae to produce propionate under aerobic conditions. Biotechnology Journal, 2022, 17, e2100579. | 3.6 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthetic biology: a new frontier in food production. Trends in Biotechnology, 2022, 40, 781-803. | 9.3 | 25 |
| 20 | Development and expansion of the CRISPR/Cas9 toolboxes for powerful genome engineering in yeast. Enzyme and Microbial Technology, 2022, 159, 110056. | 3.2 | 4 |
| 21 | Rapid and Visual RPA-Cas12a Fluorescence Assay for Accurate Detection of Dermatophytes in Cats and Dogs. Biosensors, 2022, 12, 636. | 4.8 | 3 |
| 22 | Development of Hostâ€Orthogonal Genetic Systems for Synthetic Biology. Advanced Biology, 2021, 5, 2000252. | 2.8 | 8 |
| 23 | Quality Management Program. , 2021, , 163-165. | | 0 |
| 24 | Transcription Factor-Based Biosensor for Dynamic Control in Yeast for Natural Product Synthesis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 635265. | 4.1 | 11 |
| 25 | Engineering oleaginous yeast Rhodotorula toruloides for overproduction of fatty acid ethyl esters. Biotechnology for Biofuels, 2021, 14, 115. | 6.3 | 26 |
| 26 | GTR 2.0: gRNA-tRNA Array and Cas9-NG Based Genome Disruption and Single-Nucleotide Conversion in Saccharomyces cerevisiae. ACS Synthetic Biology, 2021, 10, 1328-1337. | 3.9 | 12 |
| 27 | Yeasts as microbial cell factories for sustainable production of biofuels. Renewable and Sustainable Energy Reviews, 2021, 143, 110907. | 16.5 | 30 |
| 28 | Generation of Yeast Protoplasts by Lytic Actions of Iron Oxide Magnetic Nanoparticles. Industrial & Engineering Chemistry Research, 2021, 60, 9012-9021. | 3.7 | 3 |
| 29 | Rapid and sensitive RPA-Cas12a-fluorescence assay for point-of-care detection of African swine fever virus. PLoS ONE, 2021, 16, e0254815. | 2.5 | 20 |
| 30 | Characterization of cross-species transcription and splicing from Penicillium to Saccharomyces cerevisiae. Journal of Industrial Microbiology and Biotechnology, 2021, 48, . | 2.9 | 0 |
| 31 | The Studies in Constructing Yeast Cell Factories for the Production of Fatty Acid Alkyl Esters. Frontiers in Bioengineering and Biotechnology, 2021, 9, 799032. | 4.1 | 4 |
| 32 | Metabolic and Evolutionary Engineering of Diploid Yeast for the Production of First- and Second-Generation Ethanol. Frontiers in Bioengineering and Biotechnology, 2021, 9, 835928. | 4.1 | 5 |
| 33 | CRISPR/Cas9 Systems for the Development of Saccharomyces cerevisiae Cell Factories. Frontiers in Bioengineering and Biotechnology, 2020, 8, 594347. | 4.1 | 17 |
| 34 | Development and Application of CRISPR/Cas in Microbial Biotechnology. Frontiers in Bioengineering and Biotechnology, 2020, 8, 711. | 4.1 | 41 |
| 35 | A gRNA-tRNA array for CRISPR-Cas9 based rapid multiplexed genome editing in Saccharomyces cerevisiae. Nature Communications, 2019, 10, 1053. | 12.8 | 173 |
| 36 | Delta Integration CRISPR-Cas (Di-CRISPR) in Saccharomyces cerevisiae. Methods in Molecular Biology, 2019, 1927, 73-91. | 0.7 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Ligand fishing with cellular membrane-coated cellulose filter paper: a new method for screening of potential active compounds from natural products. Analytical and Bioanalytical Chemistry, 2019, 411, 1989-2000. | 3.8 | 14 |
| 38 | In vivo biosensors: mechanisms, development, and applications. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 491-516. | 2.9 | 63 |
| 39 | Rational design of a synthetic Entnerâ€“Doudoroff pathway for enhancing glucose transformation to isobutanol in Escherichia coli. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 187-199. | 2.9 | 23 |
| 40 | Discovery and engineering of a 1-butanol biosensor in Saccharomyces cerevisiae. Bioresource Technology, 2017, 245, 1343-1351. | 9.6 | 37 |
| 41 | Metabolic Engineering of Oleaginous Yeasts for Production of Fuels and Chemicals. Frontiers in Microbiology, 2017, 8, 2185. | 3.5 | 77 |
| 42 | A Longitudinal Adoption Study of Substance Use Behavior in Adolescence. Twin Research and Human Genetics, 2016, 19, 330-340. | 0.7 | 6 |
| 43 | Metabolic engineering of a synergistic pathway for n-butanol production in Saccharomyces cerevisiae. Scientific Reports, 2016, 6, 25675. | 3.4 | 53 |
| 44 | Deterministically Entangling Two Remote Atomic Ensembles via Light-Atom Mixed Entanglement Swapping. Scientific Reports, 2016, 6, 25715. | 3.4 | 8 |
| 45 | Improved production of fatty acids bySaccharomyces cerevisiaethrough screening a cDNA library from the oleaginous yeastYarrowia lipolytica. FEMS Yeast Research, 2016, 16, fov108. | 2.2 | 22 |
| 46 | A highly efficient single-step, markerless strategy for multi-copy chromosomal integration of large biochemical pathways in Saccharomyces cerevisiae. Metabolic Engineering, 2016, 33, 19-27. | 7.0 | 184 |
| 47 | Metabolic pathway engineering for fatty acid ethyl ester production in Saccharomyces cerevisiae using stable chromosomal integration. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 477-486. | 2.9 | 39 |
| 48 | Improved production of fatty acid ethyl esters in Saccharomyces cerevisiae through up-regulation of the ethanol degradation pathway and expression of the heterologous phosphoketolase pathway. Microbial Cell Factories, 2014, 13, 39. | 4.0 | 116 |
| 49 | Engineering of chromosomal wax ester synthase integrated Saccharomyces cerevisiae mutants for improved biosynthesis of fatty acid ethyl esters. Biotechnology and Bioengineering, 2014, 111, 1740-1747. | 3.5 | 75 |
| 50 | Improving Production of Malonyl Coenzyme A-Derived Metabolites by Abolishing Snf1-Dependent Regulation of Acc1. MBio, 2014, 5, e01130-14. | 4.2 | 199 |
| 51 | Metabolic engineering of Saccharomyces cerevisiae for production of fatty acid ethyl esters, an advanced biofuel, by eliminating non-essential fatty acid utilization pathways. Applied Energy, 2014, 115, 226-232. | 10.2 | 101 |
| 52 | Comparative Transcriptome Analysis for Metabolic Engineering. Methods in Molecular Biology, 2013, 985, 447-458. | 0.7 | 6 |
| 53 | Functional expression and characterization of five wax ester synthases in Saccharomyces cerevisiae and their utility for biodiesel production. Biotechnology for Biofuels, 2012, 5, 7. | 6.3 | 74 |
| 54 | Functional expression and characterization of five wax ester synthases in Saccharomyces cerevisiae and their utility for biodiesel production. Biotechnology for Biofuels, 2012, 5, 7. | 6.3 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Prospects for microbial biodiesel production. Biotechnology Journal, 2011, 6, 277-285. | 3.6 | 71 |
| 56 | Transcriptome analysis guided metabolic engineering of Bacillus subtilis for riboflavin production. Metabolic Engineering, 2009, 11, 243-252. | 7.0 | 99 |
| 57 | Increased production of riboflavin by metabolic engineering of the purine pathway in Bacillus subtilis. Biochemical Engineering Journal, 2009, 46, 28-33. | 3.7 | 44 |
| 58 | Enhancing riboflavin production by genetic modification of purine pathway in Bacillus subtilis. Journal of Biotechnology, 2008, 136, S35-S36. | 3.9 | 0 |
| 59 | Over-expression of glucose dehydrogenase improves cell growth and riboflavin production in Bacillus subtilis. Biotechnology Letters, 2006, 28, 1667-1672. | 2.2 | 37 |
| 60 | De Novo Genome Sequencing and Assembly of Rhodosporidium toruloides Strain Î”dao1e. Microbiology Resource Announcements, 0, , . | 1.0 | 0 |
| 61 | CILF: CRISPR/Cas9 based integration of large DNA fragments in Saccharomyces cerevisiae. Biotechnology and Bioengineering, 0, , . | 3.5 | 0 |
| 62 | An extraction-free one-pot assay for rapid detection of Klebsiella pneumoniae by combining RPA and CRISPR/Cas12a. Biosensors and Bioelectronics, 0, 267, 116740. | 10.2 | 0 |