Shuhei Noda

List of Publications by Year
in descending order

22 papers	705 citations	516710 16 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	841 citing authors

#	Article	IF	Citations
1	G6P-capturing molecules in the periplasm of Escherichia coli accelerate the shikimate pathway. Metabolic Engineering, 2022, 72, 68-81.	7.0	3
2	Direct 1,3-butadiene biosynthesis in Escherichia coli via a tailored ferulic acid decarboxylase mutant. Nature Communications, 2021, 12, 2195.	12.8	28
3	Reprogramming Escherichia coli pyruvate-forming reaction towards chorismate derivatives production. Metabolic Engineering, 2021, 67, 1-10.	7.0	5
4	Metabolic engineering of E. coli for improving mevalonate production to promote NADPH regeneration and enhance acetylâ€CoA supply. Biotechnology and Bioengineering, 2020, 117, 2153-2164.	3.3	36
5	Metabolic engineering of Escherichia coli for shikimate pathway derivative production from glucoseâ€“xylose co-substrate. Nature Communications, 2020, 11, 279.	12.8	60
6	Reconstruction of metabolic pathway for isobutanol production in Escherichia coli. Microbial Cell Factories, 2019, 18, 124.	4.0	24
7	Muconic Acid Production Using Gene-Level Fusion Proteins in Escherichia coli. ACS Synthetic Biology, 2018, 7, 2698-2705.	3.8	17
8	Recent Advances in Microbial Production of Aromatic Chemicals and Derivatives. Trends in Biotechnology, 2017, 35, 785-796.	9.3	92
9	Engineering a synthetic pathway for maleate in Escherichia coli. Nature Communications, 2017, 8, 1153.	12.8	35
10	Synergistic degradation of arabinoxylan by free and immobilized xylanases and arabinofuranosidase. Biochemical Engineering Journal, 2016, 114, 268-275.	3.6	22
11	Metabolic design of a platform Escherichia coli strain producing various chorismate derivatives. Metabolic Engineering, 2016, 33, 119-129.	7.0	101
12	Evaluation of Brachypodium distachyon L-Tyrosine Decarboxylase Using L-Tyrosine Over-Producing Saccharomyces cerevisiae. PLoS ONE, 2015, 10, e0125488.	2.5	4
13	4-Vinylphenol biosynthesis from cellulose as the sole carbon source using phenolic acid decarboxylase- and tyrosine ammonia lyase-expressing Streptomyces lividans. Bioresource Technology, 2015, 180, 59-65.	9.6	17
14	Synergistic effect and application of xylanases as accessory enzymes to enhance the hydrolysis of pretreated bagasse. Enzyme and Microbial Technology, 2015, 72, 16-24.	3.2	88
15	Effect of pretreatment methods on the synergism of cellulase and xylanase during the hydrolysis of bagasse. Bioresource Technology, 2015, 185, 158-164.	9.6	31
16	Secretory production of tetrameric native full-length streptavidin with thermostability using Streptomyces lividans as a host. Microbial Cell Factories, 2015, 14, 5.	4.0	4
17	Creation of endoglucanase-secreting Streptomyces lividans for enzyme production using cellulose as the carbon source. Applied Microbiology and Biotechnology, 2013, 97, 5711-5720.	3.6	2
18	Benzoic acid fermentation from starch and cellulose via a plant-like Î²-oxidation pathway in Streptomyces maritimus. Microbial Cell Factories, 2012, 11, 49.	4.0	28

#	Article	IF	Citations
19	Production of Streptoverticillium cinnamoneum transglutaminase and cinnamic acid by recombinant Streptomyces lividans cultured on biomass-derived carbon sources. Bioresource Technology, 2012, 104, 648-651.	9.6	26
20	Aromatic chemicals production using phenylalnine ammonia lyase expressing Streptomyces lividans. , 2011, , .		0
21	Cinnamic acid production using Streptomyces lividans expressing phenylalanine ammonia lyase. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 643-648.	3.0	45
22	Over-production of various secretory-form proteins in Streptomyces lividans. Protein Expression and Purification, 2010, 73, 198-202.	1.3	33