

# Shuheï Noda

## List of Publications by Year in descending order

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22  
papers

705  
citations

516215

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676716

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24  
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24  
docs citations

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times ranked

841  
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#	ARTICLE	IF	CITATIONS
1	Metabolic design of a platform <i>Escherichia coli</i> strain producing various chorismate derivatives. <i>Metabolic Engineering</i> , 2016, 33, 119-129.	3.6	101
2	Recent Advances in Microbial Production of Aromatic Chemicals and Derivatives. <i>Trends in Biotechnology</i> , 2017, 35, 785-796.	4.9	92
3	Synergistic effect and application of xylanases as accessory enzymes to enhance the hydrolysis of pretreated bagasse. <i>Enzyme and Microbial Technology</i> , 2015, 72, 16-24.	1.6	88
4	Metabolic engineering of <i>Escherichia coli</i> for shikimate pathway derivative production from glucose and xylose co-substrate. <i>Nature Communications</i> , 2020, 11, 279.	5.8	60
5	Cinnamic acid production using <i>Streptomyces lividans</i> expressing phenylalanine ammonia lyase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 643-648.	1.4	45
6	Metabolic engineering of <i>E. coli</i> for improving mevalonate production to promote NADPH regeneration and enhance acetyl-CoA supply. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2153-2164.	1.7	36
7	Engineering a synthetic pathway for maleate in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2017, 8, 1153.	5.8	35
8	Over-production of various secretory-form proteins in <i>Streptomyces lividans</i> . <i>Protein Expression and Purification</i> , 2010, 73, 198-202.	0.6	33
9	Effect of pretreatment methods on the synergism of cellulase and xylanase during the hydrolysis of bagasse. <i>Bioresource Technology</i> , 2015, 185, 158-164.	4.8	31
10	Benzoic acid fermentation from starch and cellulose via a plant-like $\beta^2$ -oxidation pathway in <i>Streptomyces maritimus</i> . <i>Microbial Cell Factories</i> , 2012, 11, 49.	1.9	28
11	Direct 1,3-butadiene biosynthesis in <i>Escherichia coli</i> via a tailored ferulic acid decarboxylase mutant. <i>Nature Communications</i> , 2021, 12, 2195.	5.8	28
12	Production of <i>Streptoverticillium cinnamoneum</i> transglutaminase and cinnamic acid by recombinant <i>Streptomyces lividans</i> cultured on biomass-derived carbon sources. <i>Bioresource Technology</i> , 2012, 104, 648-651.	4.8	26
13	Reconstruction of metabolic pathway for isobutanol production in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2019, 18, 124.	1.9	24
14	Synergistic degradation of arabinoxylan by free and immobilized xylanases and arabinofuranosidase. <i>Biochemical Engineering Journal</i> , 2016, 114, 268-275.	1.8	22
15	4-Vinylphenol biosynthesis from cellulose as the sole carbon source using phenolic acid decarboxylase- and tyrosine ammonia lyase-expressing <i>Streptomyces lividans</i> . <i>Bioresource Technology</i> , 2015, 180, 59-65.	4.8	17
16	Muconic Acid Production Using Gene-Level Fusion Proteins in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2698-2705.	1.9	17
17	Reprogramming <i>Escherichia coli</i> pyruvate-forming reaction towards chorismate derivatives production. <i>Metabolic Engineering</i> , 2021, 67, 1-10.	3.6	5
18	Evaluation of <i>Brachypodium distachyon</i> L-Tyrosine Decarboxylase Using L-Tyrosine Over-Producing <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2015, 10, e0125488.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Secretory production of tetrameric native full-length streptavidin with thermostability using <i>Streptomyces lividans</i> as a host. <i>Microbial Cell Factories</i> , 2015, 14, 5.	1.9	4
20	G6P-capturing molecules in the periplasm of <i>Escherichia coli</i> accelerate the shikimate pathway. <i>Metabolic Engineering</i> , 2022, 72, 68-81.	3.6	3
21	Creation of endoglucanase-secreting <i>Streptomyces lividans</i> for enzyme production using cellulose as the carbon source. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5711-5720.	1.7	2
22	Aromatic chemicals production using phenylalanine ammonia lyase expressing <i>Streptomyces lividans</i> . , 2011, , .		0