So Young Choi

List of Publications by Year
in descending order

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20	1,901	567281 15	752698 20
papers	citations	h-index	g-index

21	21	21	2157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-dimensional label-free visualization and quantification of polyhydroxyalkanoates in individual bacterial cell in its native state. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
2	Metabolic engineering for the synthesis of polyesters: A 100-year journey from polyhydroxyalkanoates to non-natural microbial polyesters. Metabolic Engineering, 2020, 58, 47-81.	7.0	138
3	Bacterial Polyesters: Microbial Polyhydroxyalkanoates and Nonnatural Polyesters (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	21.0	2
4	Microbial Polyhydroxyalkanoates and Nonnatural Polyesters. Advanced Materials, 2020, 32, e1907138.	21.0	65
5	Biosynthesis and characterization of poly(<scp>d</scp>â€lactateâ€coâ€glycolateâ€coâ€4â€hydroxybutyrate). Biotechnology and Bioengineering, 2020, 117, 2187-2197.	3.3	8
6	Engineering of an oleaginous bacterium for the production of fatty acids and fuels. Nature Chemical Biology, 2019, 15, 721-729.	8.0	76
7	Biocatalytic synthesis of polylactate and its copolymers by engineered microorganisms. Methods in Enzymology, 2019, 627, 125-162.	1.0	13
8	Rational Protein Engineering of Thermo-Stable PETase from Ideonella sakaiensis for Highly Efficient PET Degradation. ACS Catalysis, 2019, 9, 3519-3526.	11.2	307
9	Reply to â€œConformational fitting of a flexible oligomeric substrate does not explain the enzymatic PET degradationâ€• Nature Communications, 2019, 10, 5582.	12.8	9
10	Structural insight into molecular mechanism of poly(ethylene terephthalate) degradation. Nature Communications, 2018, 9, 382.	12.8	449
11	Production of ethylene glycol from xylose by metabolically engineered Escherichia coli. AICHE Journal, 2018, 64, 4193-4200.	3.6	38
12	Structural Insights into Polyhydroxyalkanoates Biosynthesis. Trends in Biochemical Sciences, 2018, 43, 790-805.	7.5	84
13	Engineering the xyloseâ€catabolizing Dahms pathway for production of poly(d â€lactateâ€co â€glycolate) and poly(d â€lactateâ€co â€glycolateâ€co â€d â€2â€hydroxybutyrate) in Escherichia coli. Microbial Biotechnology, 2017, 10, 1353-1364.	3.2	35
14	Recent advances in systems metabolic engineering tools and strategies. Current Opinion in Biotechnology, 2017, 47, 67-82.	6.6	185
15	Crystal structure of Ralstonia eutropha polyhydroxyalkanoate synthase Câ€terminal domain and reaction mechanisms. Biotechnology Journal, 2017, 12, 1600648.	3.5	57
16	Structure and function of the Nâ€terminal domain of Ralstonia eutropha polyhydroxyalkanoate synthase, and the proposed structure and mechanisms of the whole enzyme. Biotechnology Journal, 2017, 12, 1600649.	3.5	35
17	Biosynthesis of poly(2â€hydroxyisovalerateâ€coâ€lactate) by metabolically engineered Escherichia coli. Biotechnology Journal, 2016, 11, 1572-1585.	3.5	25
18	One-step fermentative production of poly(lactate-co-glycolate) from carbohydrates in Escherichia coli. Nature Biotechnology, 2016, 34, 435-440.	17.5	182

#	Article	IF	Citations
19	Recent advances in microbial production of fuels and chemicals using tools and strategies of systems metabolic engineering. Biotechnology Advances, 2015, 33, 1455-1466.	11.7	94
20	Metabolic engineering of Clostridium acetobutylicum for butyric acid production with high butyric acid selectivity. Metabolic Engineering, 2014, 23, 165-174.	7.0	83