Jae-Eung Kim

List of Publications by Year
in descending order

10	296	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tailoring the Saccharomyces cerevisiae endoplasmic reticulum for functional assembly of terpene synthesis pathway. Metabolic Engineering, 2019, 56, 50-59.	7.0	105
2	Rerouting of NADPH synthetic pathways for increased protopanaxadiol production in Saccharomyces cerevisiae. Scientific Reports, 2018, 8, 15820.	3.3	40
3	Advanced water splitting for green hydrogen gas production through complete oxidation of starch by in vitro metabolic engineering. Metabolic Engineering, 2017, 44, 246-252.	7.0	36
4	Ultra-rapid rates of water splitting for biohydrogen gas production throughin vitroartificial enzymatic pathways. Energy and Environmental Science, 2018, 11, 2064-2072.	30.8	36
5	Biosynthesis of Dâ€xylulose 5â€phosphate from Dâ€xylose and polyphosphate through a minimized twoâ€enzyme cascade. Biotechnology and Bioengineering, 2016, 113, 275-282.	3.3	29
6	Engineering Cell Wall Integrity Enables Enhanced Squalene Production in Yeast. Journal of Agricultural and Food Chemistry, 2020, 68, 4922-4929.	5.2	18
7	Discovery and characterization of a novel ATP/polyphosphate xylulokinase from a hyperthermophilic bacterium Thermotoga maritima. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 661-669.	3.0	12
8	Metabolite trafficking enables membrane-impermeable-terpene secretion by yeast. Nature Communications, 2022, 13, 2605.	12.8	12
9	Facile Construction of Random Gene Mutagenesis Library for Directed Evolution Without the Use of Restriction Enzyme in Escherichia coli. Biotechnology Journal, 2016, 11, 1142-1150.	3.5	5
10	Pairing of orthogonal chaperones with a cytochrome P450 enhances terpene synthesis in Saccharomyces cerevisiae. Biotechnology Journal, 2022, 17, e2000452.	3.5	3