## Hisashi Harada

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pathway engineering of Brassica napus seeds using multiple key enzyme genes involved in ketocarotenoid formation. Journal of Experimental Botany, 2009, 60, 1319-1332.	4.8	139
2	Construction of transplastomic lettuce (Lactuca sativa) dominantly producing astaxanthin fatty acid esters and detailed chemical analysis of generated carotenoids. Transgenic Research, 2014, 23, 303-315.	2.4	81
3	Efficient synthesis of functional isoprenoids from acetoacetate through metabolic pathway-engineered Escherichia coli. Applied Microbiology and Biotechnology, 2009, 81, 915-925.	3.6	70
4	Novel approaches and achievements in biosynthesis of functional isoprenoids in Escherichia coli. Applied Microbiology and Biotechnology, 2009, 84, 1021-1031.	3.6	50
5	Cloning and characterization of a novel gene that encodes (S)-β-bisabolene synthase from ginger, Zingiber officinale. Planta, 2010, 232, 121-130.	3.2	41
6	The Formation and Sequestration of Nonendogenous Ketocarotenoids in Transgenic <i>Nicotiana glauca</i> . Plant Physiology, 2017, 173, 1617-1635.	4.8	32
7	Characterization of two β-carotene ketolases, CrtO and CrtW, by complementation analysis in Escherichia coli. Applied Microbiology and Biotechnology, 2007, 75, 1335-1341.	3.6	28
8	Production of caloxanthin 3′-β-d-glucoside, zeaxanthin 3,3′-β-d-diglucoside, and nostoxanthin in a recombinant Escherichia coli expressing system harboring seven carotenoid biosynthesis genes, including crtX and crtG. Phytochemistry, 2011, 72, 711-716.	2.9	10
9	Pathway engineering for high-yield production of lutein in Escherichia coli. Synthetic Biology, 2021, 6, ysab012.	2.2	10
10	Pathway Engineering Using Escherichia coli to Produce Commercialized Carotenoids. Advances in Experimental Medicine and Biology, 2021, 1261, 191-199.	1.6	3
11	Construction of transgenic <i>Ipomoea obscura</i> that exhibits new reddish leaf and flower colors due to introduction of l²-carotene ketolase and hydroxylase genes. Plant Biotechnology, 2021, 38, 219-226.	1.0	2
12	Carboxylesterases for the hydrolysis of acetoacetate esters and their applications in terpenoid production using Escherichia coli. Applied Microbiology and Biotechnology, 2021, 105, 5821-5832.	3.6	2