

# Hisashi Harada

## List of Publications by Year in descending order

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12  
papers

468  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

580  
citing authors

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