

# Sousuke Imamura

## List of Publications by Year in descending order

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47  
papers

1,716  
citations

245449

24  
h-index

286620

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of apicoplast transcription in a malaria parasite by internal and host cues. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.6	2
2	CmNDB1 and a Specific Domain of CmMYB1 Negatively Regulate CmMYB1-Dependent Transcription of Nitrate Assimilation Genes Under Nitrogen-Repleted Condition in a Unicellular Red Alga. Frontiers in Plant Science, 2022, 13, 821947.	3.8	1
3	Transcription Factor SrsR (Ygfl) Is a Novel Regulator for the Stress-Response Genes in Stationary Phase in Escherichia coli K-12. International Journal of Molecular Sciences, 2022, 23, 6055.	4.2	5
4	Identification of Transcription Factors and the Regulatory Genes Involved in Triacylglycerol Accumulation in the Unicellular Red Alga Cyanidioschyzon merolae. Plants, 2021, 10, 971.	3.6	11
5	The Unicellular Red Alga Cyanidioschyzon merolae, an Excellent Model Organism for Elucidating Fundamental Molecular Mechanisms and Their Applications in Biofuel Production. Plants, 2021, 10, 1218.	3.6	18
6	Establishment of a firefly luciferase reporter assay system in the unicellular red alga <i>Cyanidioschyzon merolae</i> . Journal of General and Applied Microbiology, 2021, 67, 42-46.	0.8	2
7	Identification and analysis of a principal sigma factor interacting protein SinA, essential for growth at high temperatures in a cyanobacterium &lt;i>Synechococcus elongatus&lt;/i>; PCC 7942. Journal of General and Applied Microbiology, 2020, 66, 66-72.	0.8	6
8	A method for the preparation of electrocompetent cells to transform unicellular green algae, <i>Coccomyxa</i> (Trebouxiophyceae, Chlorophyta) strains Obi and KJ. Algal Research, 2020, 48, 101904.	4.7	10
9	Proteomic analysis of haem-binding protein from <i>Arabidopsis thaliana</i> and <i>Cyanidioschyzon merolae</i> . Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190488.	4.2	10
10	Microalgal Target of Rapamycin (TOR): A Central Regulatory Hub for Growth, Stress Response and Biomass Production. Plant and Cell Physiology, 2020, 61, 675-684.	3.2	15
11	Expanded roles of pyruvate-sensing PdhR in transcription regulation of the Escherichia coli K-12 genome: fatty acid catabolism and cell motility. Microbial Genomics, 2020, 6, .	2.1	10
12	Overexpression of a glycogenin, CmGLG2, enhances floridean starch accumulation in the red alga <i>Cyanidioschyzon merolae</i> . Plant Signaling and Behavior, 2019, 14, 1596718.	2.4	11
13	Identification of a chloroplast fatty acid exporter protein, CmFAX1, and triacylglycerol accumulation by its overexpression in the unicellular red alga Cyanidioschyzon merolae. Algal Research, 2019, 38, 101396.	4.7	24
14	Target of rapamycin signaling modulates starch accumulation via glycogenin phosphorylation status in the unicellular red alga <i>Cyanidioschyzon merolae</i> . Plant Journal, 2019, 97, 485-499.	5.9	30
15	Top Starch Plating Method for the Efficient Cultivation of Unicellular Red Alga Cyanidioschyzon merolae. Bio-protocol, 2019, 9, e3172.	0.4	6
16	Multiple Modification of Chromosomal Loci Using URA5.3 Selection Marker in the Unicellular Red Alga Cyanidioschyzon merolae. Bio-protocol, 2019, 9, e3204.	0.4	7
17	The checkpoint kinase <sc>TOR</sc> (target of rapamycin) regulates expression of a nuclear-encoded chloroplast RelA&#x2013;SpoT homolog (<sc>RSH</sc>) and modulates chloroplast ribosomal <sc>RNA</sc> synthesis in a unicellular red alga. Plant Journal, 2018, 94, 327-339.	5.9	30
18	Construction of a Selectable Marker Recycling System and the Use in Epitope Tagging of Multiple Nuclear Genes in the Unicellular Red Alga Cyanidioschyzon merolae. Plant and Cell Physiology, 2018, 59, 2308-2316.	3.2	14

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19	Accelerated triacylglycerol production without growth inhibition by overexpression of a glycerol-3-phosphate acyltransferase in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Scientific Reports</i> , 2018, 8, 12410.	3.4	53
20	Development of New Carbon Resources: Production of Important Chemicals from Algal Residue. <i>Scientific Reports</i> , 2017, 7, 855.	3.4	23
21	Catalytic Processes for Utilizing Carbohydrates Derived from Algal Biomass. <i>Catalysts</i> , 2017, 7, 163.	3.6	9
22	Organic Synthetic Approach for a Production of Fine Chemicals from Sugars. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2017, 96, 408-416.	0.3	1
23	Construction of a rapamycin-susceptible strain of the unicellular red alga <i>Cyanidioschyzon merolae</i> for analysis of the target of rapamycin (TOR) function. <i>Journal of General and Applied Microbiology</i> , 2017, 63, 305-309.	0.8	11
24	TOR (target of rapamycin) is a key regulator of triacylglycerol accumulation in microalgae. <i>Plant Signaling and Behavior</i> , 2016, 11, e1149285.	2.4	47
25	The nuclear-encoded sigma factor SIG4 directly activates transcription of chloroplast <i>psbA</i> and <i>ycf17</i> genes in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>FEMS Microbiology Letters</i> , 2015, 362, .	1.8	7
26	Expression of Cyanobacterial Acyl-ACP Reductase Elevates the Triacylglycerol Level in the Red Alga <i>Cyanidioschyzon merolae</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 1962-1980.	3.2	42
27	Target of rapamycin (TOR) plays a critical role in triacylglycerol accumulation in microalgae. <i>Plant Molecular Biology</i> , 2015, 89, 309-318.	4.0	79
28	Construction of a <i>URA5.3</i> deletion strain of the unicellular red alga <i>Cyanidioschyzon merolae</i> : A backgroundless host strain for transformation experiments. <i>Journal of General and Applied Microbiology</i> , 2015, 61, 211-214.	0.8	27
29	Stable expression of a GFP-reporter gene in the red alga <i>Cyanidioschyzon merolae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 175-177.	1.3	10
30	Expression of budding yeast FKBP12 confers rapamycin susceptibility to the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 264-269.	2.2	28
31	External Light Conditions and Internal Cell Cycle Phases Coordinate Accumulation of Chloroplast and Mitochondrial Transcripts in the Red Alga <i>Cyanidioschyzon merolae</i> . <i>DNA Research</i> , 2012, 19, 289-303.	3.5	25
32	Genetic transformation of <i>Pseudochoricystis ellipsoidea</i> , an aliphatic hydrocarbon-producing green alga. <i>Journal of General and Applied Microbiology</i> , 2012, 58, 1-10.	0.8	24
33	A tetrapyrrole-regulated ubiquitin ligase controls algal nuclear DNA replication. <i>Nature Cell Biology</i> , 2011, 13, 483-487.	10.0	53
34	Nitrate Assimilatory Genes and Their Transcriptional Regulation in a Unicellular Red Alga <i>Cyanidioschyzon merolae</i> : Genetic Evidence for Nitrite Reduction by a Sulfite Reductase-Like Enzyme. <i>Plant and Cell Physiology</i> , 2010, 51, 707-717.	3.2	88
35	Sigma Factors for Cyanobacterial Transcription. <i>Gene Regulation and Systems Biology</i> , 2009, 3, GRSB.S2090.	2.0	96
36	ChlH, the H subunit of the Mg-chelatase, is an anti-sigma factor for SigE in <i>Synechocystis</i> sp. PCC 6803. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6860-6865.	7.6	80

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37	Periodic Gene Expression Patterns during the Highly Synchronized Cell Nucleus and Organelle Division Cycles in the Unicellular Red Alga <i>Cyanidioschyzon merolae</i> . <i>DNA Research</i> , 2009, 16, 59-72.	3.5	69
38	R2R3-type MYB transcription factor, CmMYB1, is a central nitrogen assimilation regulator in <i>Cyanidioschyzon merolae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12548-12553.	7.6	117
39	The plant-specific TFIIIB-related protein, pBrp, is a general transcription factor for RNA polymerase I. <i>EMBO Journal</i> , 2008, 27, 2317-2327.	8.2	36
40	Stringent promoter recognition and autoregulation by the group 3 $\sigma$ -factor SigF in the cyanobacterium <i>Synechocystis</i> sp. strain PCC 6803. <i>Nucleic Acids Research</i> , 2008, 36, 5297-5305.	14.0	35
41	Two Novel Nuclear Genes, OsSIG5 and OsSIG6, Encoding Potential Plastid Sigma Factors of RNA Polymerase in Rice: Tissue-Specific and Light-Responsive Gene Expression. <i>Plant and Cell Physiology</i> , 2007, 48, 186-192.	3.2	21
42	Interference Expression at Levels of the Transcript and Protein among Group 1, 2, and 3 Sigma Factor Genes in a Cyanobacterium. <i>Microbes and Environments</i> , 2007, 22, 32-43.	1.7	12
43	Nitrogen Induction of Sugar Catabolic Gene Expression in <i>Synechocystis</i> sp. PCC 6803. <i>DNA Research</i> , 2006, 13, 185-195.	3.5	133
44	Growth Phase-dependent Activation of Nitrogen-related Genes by a Control Network of Group 1 and Group 2 $\sigma$ Factors in a Cyanobacterium. <i>Journal of Biological Chemistry</i> , 2006, 281, 2668-2675.	3.5	50
45	In vitro transcription analysis by reconstituted cyanobacterial RNA polymerase: roles of group 1 and 2 sigma factors and a core subunit, RpoC2. <i>Genes To Cells</i> , 2004, 9, 1175-1187.	1.3	26
46	SigC, the Group 2 Sigma Factor of RNA Polymerase, Contributes to the Late-stage Gene Expression and Nitrogen Promoter Recognition in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 477-487.	1.3	52
47	Purification, Characterization, and Gene Expression of All Sigma Factors of RNA Polymerase in a Cyanobacterium. <i>Journal of Molecular Biology</i> , 2003, 325, 857-872.	4.3	119