

# Hidehiko Hirakawa

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

618  
citations

623734

14  
h-index

610901

24  
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34  
docs citations

34  
times ranked

721  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stable Artificial Multienzymatic Complex Using a Heterotrimeric Protein From <i>Metallosphaera sedula</i> . <i>Biotechnology Journal</i> , 2018, 13, e1700662.	3.5	2
2	Artificial Self-sufficient Cytochrome P450 Containing Multiple Auxiliary Proteins Demonstrates Improved Monooxygenase Activity. <i>Biotechnology Journal</i> , 2018, 13, 1800088.	3.5	5
3	Enzyme Logic Gate with Summation Function Based on Putidaredoxin Reductase/Cytochrome c Enzyme Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5189-5192.	0.9	3
4	Correlation between Activity and Molecular Structure around the Active Center of Cytochrome P450cam Conjugates. <i>Journal of Chemical Engineering of Japan</i> , 2016, 49, 475-480.	0.6	0
5	Three proliferating cell nuclear antigen homologues from <i>Metallosphaera sedula</i> form a head-to-tail heterotrimer. <i>Scientific Reports</i> , 2016, 6, 26588.	3.3	3
6	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15002-15006.	13.8	22
7	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie</i> , 2016, 128, 15226-15230.	2.0	5
8	Supramolecular protein assembly supports immobilization of a cytochrome P450 monooxygenase system as water-insoluble gel. <i>Scientific Reports</i> , 2015, 5, 8648.	3.3	26
9	Ca <sup>2+</sup> -independent sortase A exhibits high selective protein ligation activity in the cytoplasm of <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2015, 10, 1487-1492.	3.5	67
10	Electron donation to an archaeal cytochrome P450 is enhanced by PCNA-mediated selective complex formation with foreign redox proteins. <i>Biotechnology Journal</i> , 2014, 9, 1573-1581.	3.5	16
11	Fusion protein bilayer fabrication composed of recombinant azurin/cytochrome P450 by the sortase-mediated ligation method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 215-221.	5.0	3
12	Molecular recognition moiety and its target biomolecule interact in switching enzyme activity. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 639-644.	2.2	3
13	Intracellular protein cyclization catalyzed by exogenously transduced <i>Streptococcus pyogenes</i> sortase A. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 298-301.	2.2	10
14	Effect of length of molecular recognition moiety on enzymatic activity switching. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 433-437.	2.2	3
15	Introduction of selective intersubunit disulfide bonds into self-assembly protein scaffold to enhance an artificial multienzyme complex's activity. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1858-1864.	3.3	21
16	Use of <i>Sulfolobus solfataricus</i> PCNA Subunit Proteins to Direct the Assembly of Multimeric Enzyme Complexes. <i>Methods in Molecular Biology</i> , 2013, 978, 149-163.	0.9	3
17	Phosphate-driven Self-sufficient Cytochrome P450. <i>ChemCatChem</i> , 2013, 5, 3835-3840.	3.7	11
18	Title is missing!. <i>Kagaku To Seibutsu</i> , 2013, 51, 521-523.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Fine Tuning of Spatial Arrangement of Enzymes in a PCNA-Mediated Multienzyme Complex Using a Rigid Poly-L-Proline Linker. PLoS ONE, 2013, 8, e75114.	2.5	33
20	Artificial Protein Complexes for Biocatalysis. Topics in Catalysis, 2012, 55, 1124-1137.	2.8	16
21	Design of Ca <sup>2+</sup> -independent <i>Staphylococcus aureus</i> sortase A mutants. Biotechnology and Bioengineering, 2012, 109, 2955-2961.	3.3	71
22	Enhancement of sortase A-mediated protein ligation by inducing a $\beta^2$ -hairpin structure around the ligation site. Chemical Communications, 2011, 47, 4742.	4.1	55
23	Nanoscale-Engineered Cytochrome P450 System with a Branch Structure. Methods in Molecular Biology, 2011, 743, 1-16.	0.9	3
24	Molecular Assembly of P450 with Ferredoxin and Ferredoxin Reductase by Fusion to PCNA. ChemBioChem, 2010, 11, 1517-1520.	2.6	74
25	Artificial Self-Sufficient P450 in Reversed Micelles. Molecules, 2010, 15, 2935-2948.	3.8	5
26	Nanoarchitecture of cytochrome P450 system using a ring-shaped protein complex. , 2010, , .		0
27	Crystal Structure of Histamine Dehydrogenase from <i>Nocardioides simplex</i> . Journal of Biological Chemistry, 2010, 285, 25782-25791.	3.4	16
28	Expression, purification, crystallization and preliminary X-ray studies of histamine dehydrogenase from <i>Nocardioides simplex</i> . Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 785-787.	0.7	3
29	Intramolecular electron transfer in a cytochrome P450cam system with a site-specific branched structure. Protein Engineering, Design and Selection, 2007, 20, 453-459.	2.1	43
30	Log P effect of organic solvents on a thermophilic alcohol dehydrogenase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1748, 94-99.	2.3	22
31	Properties of an alcohol dehydrogenase from the hyperthermophilic archaeon <i>Aeropyrum pernix</i> K1. Journal of Bioscience and Bioengineering, 2004, 97, 202-206.	2.2	42
32	Regioselective reduction of a steroid in a reversed micellar system with enzymatic NADH-regeneration. Biochemical Engineering Journal, 2003, 16, 35-40.	3.6	15
33	Site-selective and stepwise complexation of two M(cod) <sup>+</sup> (M = Rh, Ir) fragments with calix[4]arene Electronic supplementary information (ESI) available: experimental section. Fig. S1: structure of one of the independent molecules of 4. See <a href="http://www.rsc.org/suppdata/cc/b2/b201992m/">http://www.rsc.org/suppdata/cc/b2/b201992m/</a> . Chemical Communications, 2002, , 1150-1151.	4.1	15