Hidehiko Hirakawa

List of Publications by Year
in descending order

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33	618	623734	610901
papers	citations	14 h-index	24 g-index

34	34	34	721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Assembly of P450 with Ferredoxin and Ferredoxin Reductase by Fusion to PCNA. ChemBioChem, 2010, 11, 1517-1520.	2.6	74
2	Design of Ca²⁺â€independent Staphylococcus aureus sortase A mutants. Biotechnology and Bioengineering, 2012, 109, 2955-2961.	3.3	71
3	Ca²⁺â€independent sortaseâ€A exhibits high selective protein ligation activity in the cytoplasm of Escherichia coli. Biotechnology Journal, 2015, 10, 1487-1492.	3.5	67
4	Enhancement of sortase A-mediated protein ligation by inducing a Î²-hairpin structure around the ligation site. Chemical Communications, 2011, 47, 4742.	4.1	55
5	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
6	Properties of an alcohol dehydrogenase from the hyperthermophilic archaeon Aeropyrum pernix K1. Journal of Bioscience and Bioengineering, 2004, 97, 202-206.	2.2	42
7	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
8	Supramolecular protein assembly supports immobilization of a cytochrome P450 monooxygenase system as water-insoluble gel. Scientific Reports, 2015, 5, 8648.	3.3	26
9	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
10	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. Angewandte Chemie - International Edition, 2016, 55, 15002-15006.	13.8	22
11	Introduction of selective intersubunit disulfide bonds into selfâ€assembly protein scaffold to enhance an artificial multienzyme complex's activity. Biotechnology and Bioengineering, 2013, 110, 1858-1864.	3.3	21
12	Crystal Structure of Histamine Dehydrogenase from Nocardioides simplex. Journal of Biological Chemistry, 2010, 285, 25782-25791.	3.4	16
13	Artificial Protein Complexes for Biocatalysis. Topics in Catalysis, 2012, 55, 1124-1137.	2.8	16
14	Electron donation to an archaeal cytochrome P450 is enhanced by PCNAâ€mediated selective complex formation with foreign redox proteins. Biotechnology Journal, 2014, 9, 1573-1581.	3.5	16
15	Site-selective and stepwise complexation of two M(cod)+ (M = Rh, Ir) fragments with calix[4]areneElectronic supplementary information (ESI) available: experimental section. Fig. S1: structure of one of the independent molecules of 4. See http://www.rsc.org/suppdata/cc/b2/b201992m/. Chemical Communications, 2002, , 1150-1151.	4.1	15
16	Regioselective reduction of a steroid in a reversed micellar system with enzymatic NADH-regeneration. Biochemical Engineering Journal, 2003, 16, 35-40.	3.6	15
17	Phosphiteâ€driven Selfâ€sufficient Cytochrome P450. ChemCatChem, 2013, 5, 3835-3840.	3.7	11
18	Intracellular protein cyclization catalyzed by exogenously transduced Streptococcus pyogenes sortase A. Journal of Bioscience and Bioengineering, 2013, 116, 298-301.	2.2	10

#	Article	IF	Citations
19	Artificial Self-Sufficient P450 in Reversed Micelles. Molecules, 2010, 15, 2935-2948.	3.8	5
20	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. Angewandte Chemie, 2016, 128, 15226-15230.	2.0	5
21	Artificial Selfâ€Sufficient Cytochrome P450 Containing Multiple Auxiliary Proteins Demonstrates Improved Monooxygenase Activity. Biotechnology Journal, 2018, 13, 1800088.	3.5	5
22	Expression, purification, crystallization and preliminary X-ray studies of histamine dehydrogenase fromNocardioides simplex. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 785-787.	0.7	3
23	Nanoscale-Engineered Cytochrome P450 System with a Branch Structure. Methods in Molecular Biology, 2011, 743, 1-16.	0.9	3
24	Molecular recognition moiety and its target biomolecule interact in switching enzyme activity. Journal of Bioscience and Bioengineering, 2013, 115, 639-644.	2.2	3
25	Effect of length of molecular recognition moiety on enzymatic activity switching. Journal of Bioscience and Bioengineering, 2013, 116, 433-437.	2.2	3
26	Use of Sulfolobus solfataricus PCNA Subunit Proteins to Direct the Assembly of Multimeric Enzyme Complexes. Methods in Molecular Biology, 2013, 978, 149-163.	0.9	3
27	Fusion protein bilayer fabrication composed of recombinant azurin/cytochrome P450 by the sortase-mediated ligation method. Colloids and Surfaces B: Biointerfaces, 2014, 120, 215-221.	5.0	3
28	Three proliferating cell nuclear antigen homologues from Metallosphaera sedula form a head-to-tail heterotrimer. Scientific Reports, 2016, 6, 26588.	3.3	3
29	Enzyme Logic Gate with Summation Function Based on Putidaredoxin Reductase/Cytochrome c Enzyme Reaction. Journal of Nanoscience and Nanotechnology, 2017, 17, 5189-5192.	0.9	3
30	A Stable Artificial Multienzymatic Complex Using a Heterotrimeric Protein From Metallosphaera sedula. Biotechnology Journal, 2018, 13, e1700662.	3.5	2
31	Nanoarchitechture of cytochrome P450 system using a ring-shaped protein complex. , 2010, , .		0
32	Title is missing!. Kagaku To Seibutsu, 2013, 51, 521-523.	0.0	0
33	Correlation between Activity and Molecular Structure around the Active Center of Cytochrome P450cam Conjugates. Journal of Chemical Engineering of Japan, 2016, 49, 475-480.	0.6	0