Chul-Ho Yun

List of Publications by Year
in descending order

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159 papers	4,133 citations	126708 33 h-index	155451 55 g-index
162 all docs	162 docs citations	162 times ranked	3999 citing authors

#	Article	IF	Citations
1	Cytochrome P450 2E1 and 2A6 enzymes as major catalysts for metabolic activation of N-nitrosodialkylamines and tobacco-related nitrosamines in human liver microsomes. Carcinogenesis, 1992, 13, 1789-1794.	1.3	369
2	Evidence for a 1-Electron Oxidation Mechanism in N-Dealkylation of N,N-Dialkylanilines by Cytochrome P450 2B1. Journal of Biological Chemistry, 1996, 271, 27321-27329.	1.6	155
3	Rate-Determining Steps in Phenacetin Oxidations by Human Cytochrome P450 1A2 and Selected Mutants. Biochemistry, 2000, 39, 11319-11329.	1.2	135
4	Identification of the Pharmacogenetic Determinants of Alfentanil Metabolism. Anesthesiology, 1992, 77, 467-474.	1.3	108
5	Characterization of diverse natural variants of CYP102A1 found within a species of Bacillus megaterium. AMB Express, 2011, 1, 1.	1.4	107
6	Kinetic Analysis of Oxidation of Coumarins by Human Cytochrome P450 2A6. Journal of Biological Chemistry, 2005, 280, 12279-12291.	1.6	87
7	The bacterial P450 BM3: a prototype for a biocatalyst with human P450 activities. Trends in Biotechnology, 2007, 25, 289-298.	4.9	84
8	Cofactorâ€Free Lightâ€Driven Wholeâ€Cell Cytochrome P450 Catalysis. Angewandte Chemie - International Edition, 2015, 54, 969-973.	7.2	83
9	ROS inhibit the expression of testicular steroidogenic enzyme genes via the suppression of Nur77 transactivation. Free Radical Biology and Medicine, 2009, 47, 1591-1600.	1.3	74
10	Generation of the Human Metabolite Piceatannol from the Anticancer-Preventive Agent Resveratrol by Bacterial Cytochrome P450 BM3. Drug Metabolism and Disposition, 2009, 37, 932-936.	1.7	73
11	Non-specific inhibition of cytochrome P450 activities by chlorophyllin in human and rat liver microsomes. Carcinogenesis, 1995, 16, 1437-1440.	1.3	70
12	Membrane Insertion of Cytochrome P450 1A2 Promoted by Anionic Phospholipidsâ€. Biochemistry, 1998, 37, 12860-12866.	1.2	68
13	Functional Expression of Human Cytochrome P450 Enzymes in Escherichia coli. Current Drug Metabolism, 2006, 7, 411-429.	0.7	67
14	Estrogen-related receptor Î³ controls hepatic CB₁receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. Gut, 2013, 62, 1044-1054.	6.1	64
15	Membrane Properties Induced by Anionic Phospholipids and Phosphatidylethanolamine Are Critical for the Membrane Binding and Catalytic Activity of Human Cytochrome P450 3A4â€. Biochemistry, 2003, 42, 15377-15387.	1.2	61
16	Interaction of Human Thiol-Specific Antioxidant Protein 1 with Erythrocyte Plasma Membraneâ€. Biochemistry, 2000, 39, 6944-6950.	1.2	60
17	Generation of Human Metabolites of 7-Ethoxycoumarin by Bacterial Cytochrome P450 BM3. Drug Metabolism and Disposition, 2008, 36, 2166-2170.	1.7	53
18	Triggering Receptor Expressed on Myeloid Cells 2 (TREM2) Promotes Adipogenesis and Diet-Induced Obesity. Diabetes, 2015, 64, 117-127.	0.3	52

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19	Engineering Bacterial Cytochrome P450 (P450) BM3 into a Prototype with Human P450 Enzyme Activity Using Indigo Formation. Drug Metabolism and Disposition, 2010, 38, 732-739.	1.7	50
20	Biodegradation of polystyrene by bacteria from the soil in common environments. Journal of Hazardous Materials, 2021, 416, 126239.	6.5	50
21	Inhibition of CYP4A Reduces Hepatic Endoplasmic Reticulum Stress and Features of Diabetes in Mice. Gastroenterology, 2014, 147, 860-869.	0.6	47
22	Induction of Rat Hepatic Cytochrome P450 Enzymes by Myristicin. Biochemical and Biophysical Research Communications, 1995, 217, 966-971.	1.0	46
23	Novel Protective Mechanism against Irreversible Hyperoxidation of Peroxiredoxin. Journal of Biological Chemistry, 2009, 284, 13455-13465.	1.6	43
24	Surface Display of Heme- and Diflavin-Containing Cytochrome P450 BM3 in Escherichia coli: A Whole-Cell Biocatalyst for Oxidation. Journal of Microbiology and Biotechnology, 2010, 20, 712-717.	0.9	43
25	Conformational Change and Activation of Cytochrome P450 2B1 Induced by Salt and Phospholipid. Archives of Biochemistry and Biophysics, 1998, 356, 229-238.	1.4	42
26	Conformational Change of Cytochrome P450 1A2 Induced by Sodium Chloride. Journal of Biological Chemistry, 1996, 271, 31312-31316.	1.6	41
27	Oxidations ofp-Alkoxyacylanilides Catalyzed by Human Cytochrome P450 1A2: Structureâ^'Activity Relationships and Simulation of Rate Constants of Individual Steps in Catalysisâ€. Biochemistry, 2001, 40, 4521-4530.	1.2	41
28	Generation of Human Chiral Metabolites of Simvastatin and Lovastatin by Bacterial CYP102A1 Mutants. Drug Metabolism and Disposition, 2011, 39, 140-150.	1.7	39
29	Differential Effect of Copper (II) on the Cytochrome P450 Enzymes and NADPHâ^'Cytochrome P450 Reductase:Â Inhibition of Cytochrome P450-Catalyzed Reactions by Copper (II) Ionâ€. Biochemistry, 2002, 41, 9438-9447.	1.2	38
30	Tissue-specific effect of ascorbic acid supplementation on the expression of cytochrome P450 2E1 and oxidative stress in streptozotocin-induced diabetic rats. Toxicology Letters, 2006, 166, 27-36.	0.4	37
31	Bacterial Î²-(1,3)-glucan prevents DSS-induced IBD by restoring the reduced population of regulatory T cells. Immunobiology, 2014, 219, 802-812.	0.8	37
32	P450-driven plastic-degrading synthetic bacteria. Trends in Biotechnology, 2022, 40, 166-179.	4.9	36
33	Metabolism of R- and S-Warfarin by CYP2C19 into Four Hydroxywarfarins. Drug Metabolism Letters, 2013, 6, 157-164.	0.5	36
34	Contributions of human liver cytochrome P450 enzymes to the N-oxidation of 4,4â€²-methylene-bis(2-chloroaniline). Carcinogenesis, 1992, 13, 217-222.	1.3	35
35	Conformational Change of Cytochrome P450 1A2 Induced by Phospholipids and Detergents. Journal of Biological Chemistry, 1997, 272, 19725-19730.	1.6	35
36	Hydroxywarfarin Metabolites Potently Inhibit CYP2C9 Metabolism of S-Warfarin. Chemical Research in Toxicology, 2010, 23, 939-945.	1.7	35

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37	Inhibitory effect of anethole on T-lymphocyte proliferation and interleukin-2 production through down-regulation of the NF-AT and AP-1. Toxicology in Vitro, 2006, 20, 1098-1105.	1.1	34
38	Chimeric cytochromes P450 engineered by domain swapping and random mutagenesis for producing human metabolites of drugs. Biotechnology and Bioengineering, 2014, 111, 1313-1322.	1.7	34
39	Cardiolipin, phosphatidylserine, and BH4 domain of Bcl-2 family regulate Ca2+/H+ antiporter activity of human Bax inhibitor-1. Cell Calcium, 2010, 47, 387-396.	1.1	32
40	Interleukin-24 attenuates Î²-glycerophosphate-induced calcification of vascular smooth muscle cells by inhibiting apoptosis, the expression of calcification and osteoblastic markers, and the Wnt/Î²-catenin pathway. Biochemical and Biophysical Research Communications, 2012, 428, 50-55.	1.0	31
41	Potential in vitro Protective Effect of Quercetin, Catechin, Caffeic Acid and Phytic Acid against Ethanol-Induced Oxidative Stress in SK-Hep-1 Cells. Biomolecules and Therapeutics, 2012, 20, 492-498.	1.1	31
42	Ca²⁺/H⁺ antiporterâ€like activity of human recombinant Bax inhibitorâ€1 reconstituted into liposomes. FEBS Journal, 2009, 276, 2285-2291.	2.2	30
43	Phospholipase D Activity of Cytochrome P450 in Human Liver Endoplasmic Reticulum. Archives of Biochemistry and Biophysics, 1999, 367, 81-88.	1.4	29
44	Functional expression of mammalian NADPHâ€“cytochrome P450 oxidoreductase on the cell surface of Escherichia coli. Protein Expression and Purification, 2006, 49, 292-298.	0.6	29
45	Polyacrylamide Gel Electrophoresis without a Stacking Gel: Use of Amino Acids as Electrolytes. Analytical Biochemistry, 2001, 291, 300-303.	1.1	28
46	Heterologous expression and characterization of wild-type human cytochrome P450 1A2 without conventional N-terminal modification in Escherichia coli. Protein Expression and Purification, 2008, 57, 188-200.	0.6	28
47	Kinetic Analysis of Lauric Acid Hydroxylation by Human Cytochrome P450 4A11. Biochemistry, 2014, 53, 6161-6172.	1.2	28
48	Roles of human liver cytochrome P450 3A4 and 1A2 enzymes in the oxidation of myristicin. Toxicology Letters, 2003, 137, 143-150.	0.4	26
49	Functional Characterization of Allelic Variants of Polymorphic Human Cytochrome P450 2A6 (CYP2A6*5, *7, *8, *18, *19, and *35). Biological and Pharmaceutical Bulletin, 2012, 35, 394-399.	0.6	26
50	Kinetic deuterium isotope effects for 7-alkoxycoumarin O-dealkylation reactions catalyzed by human cytochromes P450 and in liver microsomes. Rate-limiting C-H bond breaking in cytochrome P450 1A2 substrate oxidation. FEBS Journal, 2006, 273, 2223-2231.	2.2	25
51	Functional expression in Bacillus subtilis of mammalian NADPH-cytochrome P450 oxidoreductase and its spore-display. Protein Expression and Purification, 2009, 63, 5-11.	0.6	25
52	Heterologous expression and characterization of the sterol 14Î±-demethylase CYP51F1 from Candida albicans. Archives of Biochemistry and Biophysics, 2011, 509, 9-15.	1.4	25
53	Suppression of interleukin-2 gene expression by isoeugenol is mediated through down-regulation of NF-AT and NF-ÎºB. International Immunopharmacology, 2007, 7, 1251-1258.	1.7	24
54	TREM2 Acts as a Tumor Suppressor in Colorectal Carcinoma through Wnt1/Î²-catenin and Erk Signaling. Cancers, 2019, 11, 1315.	1.7	24

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55	Mechanism-Based Inactivation of Cytochrome P450 2A6 by Decursinol Angelate Isolated from Angelica Gigas. Drug Metabolism and Disposition, 2007, 35, 1759-1765.	1.7	23
56	Functional characterization of CYP107W1 from Streptomyces avermitilis and biosynthesis of macrolide oligomycin A. Archives of Biochemistry and Biophysics, 2015, 575, 1-7.	1.4	23
57	Hemeâ€“thiolate sulfenylation of human cytochrome P450 4A11 functions as a redox switch for catalytic inhibition. Journal of Biological Chemistry, 2017, 292, 11230-11242.	1.6	23
58	Highly regioselective hydroxylation of polydatin, a resveratrol glucoside, for one-step synthesis of astringin, a piceatannol glucoside, by P450 BM3. Enzyme and Microbial Technology, 2017, 97, 34-42.	1.6	23
59	A Continuous Spectrophotometric Assay for NADPH-cytochrome P450 Reductase Activity Using 1,1-Diphenyl-2-Picrylhydrazyl. BMB Reports, 2004, 37, 629-633.	1.1	23
60	A Continuous Spectrophotometric Assay for NADPH-cytochrome P450 Reductase Activity Using 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium Bromide. BMB Reports, 2005, 38, 366-369.	1.1	23
61	Oxidation of human cytochrome P450 1A2 substrates by Bacillus megaterium cytochrome P450 BM3. Journal of Molecular Catalysis B: Enzymatic, 2010, 63, 179-187.	1.8	22
62	Heterologous expression and functional characterization of the NADPH-cytochrome P450 reductase from Capsicum annuum. Plant Physiology and Biochemistry, 2014, 82, 116-122.	2.8	22
63	WHAT MAKES P450s WORK? SEARCHES FOR ANSWERS WITH KNOWN AND NEW P450s*. Drug Metabolism Reviews, 2000, 32, 267-281.	1.5	21
64	Beta sheet 2â€“alpha helix C loop of cytochrome P450 reductase serves as a docking site for redox partners. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1285-1293.	1.1	21
65	Crystal structure of cytochrome P450 CYP105N1 from Streptomyces coelicolor, an oxidase in the coelibactin siderophore biosynthetic pathway. Archives of Biochemistry and Biophysics, 2012, 528, 111-117.	1.4	21
66	Screening of Human CYP1A2 and CYP3A4 Inhibitors from Seaweed In Silico and In Vitro. Marine Drugs, 2020, 18, 603.	2.2	21
67	Suppression of Cytochrome P450 (Cypla-1) Induction in Mouse Hepatoma Hepa-1c1c7 Cells by Methoxsalen. Biochemical and Biophysical Research Communications, 1995, 208, 1124-1130.	1.0	20
68	Development of Peptide Substrates for Trypsin Based on Monomer/Excimer Fluorescence of Pyrene. Analytical Biochemistry, 2002, 306, 247-251.	1.1	20
69	Functional and conformational modulation of human cytochrome P450 1B1 by anionic phospholipids. Archives of Biochemistry and Biophysics, 2010, 493, 143-150.	1.4	20
70	Involvement of Nonlamellar-Prone Lipids in the Stability Increase of Human Cytochrome P450 1A2 in Reconstituted Membranes. Biochemistry, 2005, 44, 9188-9196.	1.2	19
71	Bacillus spore display. Trends in Biotechnology, 2012, 30, 610-612.	4.9	19
72	Functional characterization of steroid hydroxylase CYP106A1 derived from Bacillus megaterium. Archives of Pharmacal Research, 2015, 38, 98-107.	2.7	19

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73	Solar-driven biocatalytic C-hydroxylation through direct transfer of photoinduced electrons. Green Chemistry, 2019, 21, 515-525.	4.6	19
74	Phase Properties of Liquid-Crystalline Phosphatidylcholine/Phosphatidylethanolamine Bilayers Revealed by Fluorescent Probes. Archives of Biochemistry and Biophysics, 1999, 369, 288-294.	1.4	18
75	Regioselective Hydroxylation of Omeprazole Enantiomers by Bacterial CYP102A1 Mutants. Drug Metabolism and Disposition, 2014, 42, 1493-1497.	1.7	18
76	Cargo-Free Nanoparticles Containing Cationic Lipids Induce Reactive Oxygen Species and Cell Death in HepG2 Cells. Biological and Pharmaceutical Bulletin, 2016, 39, 1338-1346.	0.6	18
77	Solarâ€Powered Wholeâ€Cell P450 Catalytic Platform for Câ€Hydroxylation Reactions. ChemSusChem, 2021, 14, 3054-3058.	3.6	18
78	Biocatalytic Production of a Potent Inhibitor of Adipocyte Differentiation from Phloretin Using Engineered CYP102A1. Journal of Agricultural and Food Chemistry, 2020, 68, 6683-6691.	2.4	17
79	Identification of Cytochrome P450 1A1 in Human Brain. Biochemical and Biophysical Research Communications, 1998, 243, 808-810.	1.0	16
80	Anionic phospholipidâ€induced regulation of reactive oxygen species production by human cytochrome P450 2E1. FEBS Letters, 2008, 582, 1771-1776.	1.3	16
81	Contribution of Three CYP3A Isoforms to Metabolism of R- and S-Warfarin. Drug Metabolism Letters, 2010, 4, 213-219.	0.5	16
82	Directed Evolution Reveals Requisite Sequence Elements in the Functional Expression of P450 2F1 in Escherichia coli. Chemical Research in Toxicology, 2012, 25, 1964-1974.	1.7	16
83	Functional influence of human CYP2D6 allelic variations: P34S, E418K, S486T, and R296C. Archives of Pharmacal Research, 2013, 36, 1500-1506.	2.7	16
84	Induction of Liver Cytochrome-P450 2B1 by Î²-Ionone in Sprague-Dawley Rats. Biochemical and Biophysical Research Communications, 1995, 216, 198-202.	1.0	15
85	Identification of Cytochrome P450 2E1 in Rat Brain. Biochemical and Biophysical Research Communications, 1997, 231, 254-256.	1.0	15
86	Molecular Mechanisms Regulating the Mitochondrial Targeting of Microsomal Cytochrome P450 EnzymesMolecular Mechanisms Regulating the Mitochondrial Targeting of Microsomal Cytochrome P450 Enzymes. Current Drug Metabolism, 2010, 11, 830-838.	0.7	15
87	The role of cytochrome P450 2B6 and 2B4 substrate access channel residues predicted based on crystal structures of the amlodipine complexes. Archives of Biochemistry and Biophysics, 2014, 545, 100-107.	1.4	15
88	Effects of Î²-ionone on the expression of cytochrome P450s and NADPH-cytochrome P450 reductase in Sprague Dawley rats. Chemico-Biological Interactions, 1998, 114, 97-107.	1.7	14
89	Regioselective hydroxylation of 17Î²-estradiol by mutants of CYP102A1 from Bacillus megaterium. Biotechnology Letters, 2014, 36, 2501-2506.	1.1	14
90	Decreased Level of Albumin in Peripheral Blood Mononuclear Cells of Streptozotocin-Induced Diabetic Rats. Journal of Veterinary Medical Science, 2014, 76, 1087-1092.	0.3	14

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91	Effects of Lipids on the Interaction of SecA with Model Membranes. Archives of Biochemistry and Biophysics, 2001, 395, 14-20.	1.4	13
92	Functional Regulation of Hepatic Cytochrome P450 Enzymes by Physicochemical Properties of Phospholipids in Biological Membranes. Current Protein and Peptide Science, 2007, 8, 496-505.	0.7	13
93	Regioselective C-H hydroxylation of omeprazole sulfide by Bacillus megaterium CYP102A1 to produce a human metabolite. Biotechnology Letters, 2017, 39, 105-112.	1.1	13
94	Importance of Phosphatidylethanolamine for the Interaction of Apocytochrome c with Model Membranes Containing Phosphatidylserine. Biochemistry, 2000, 39, 10147-10153.	1.2	12
95	High-level expression of human cytochrome P450 3A4 by co-expression with Human molecular chaperone HDJ-1 (Hsp40). Archives of Pharmacal Research, 2004, 27, 319-323.	2.7	12
96	Effects of aqueous extract of Ruta graveolens and its ingredients on cytochrome P450, uridine diphosphate (UDP)-glucuronosyltransferase, and reduced nicotinamide adenine dinucleotide (phosphate) (NAD(P)H)-quinone oxidoreductase in mice. Journal of Food and Drug Analysis, 2015, 23, 516-528.	0.9	12
97	Involvement of P4503A in the metabolism of 7,8-benzoflavone by human liver microsomes. Xenobiotica, 1994, 24, 1053-1062.	0.5	11
98	Regioselective Hydroxylation of Phloretin, a Bioactive Compound from Apples, by Human Cytochrome P450 Enzymes. Pharmaceuticals, 2020, 13, 330.	1.7	11
99	Structural Analysis of the Streptomyces avermitilis CYP107W1-Oligomycin A Complex and Role of the Tryptophan 178 Residue. Molecules and Cells, 2016, 39, 211-216.	1.0	11
100	Ovalbumin-Induced Fusion of Acidic Phospholipid Vesicles at Low pH1. Journal of Biochemistry, 1989, 105, 406-411.	0.9	10
101	Enhanced expression of human cytochrome P450 1A2 by co-expression with human molecular chaperone Hsp70. Toxicology Letters, 2004, 153, 267-272.	0.4	10
102	High-level expression of human cytochrome P450 1A2 by co-expression with human molecular chaperone HDJ-1(Hsp40). Protein Expression and Purification, 2004, 36, 48-52.	0.6	10
103	Lysophosphatidylserine-induced functional switch of human cytochrome P450 1A2 and 2E1 from monooxygenase to phospholipase D. Biochemical and Biophysical Research Communications, 2008, 376, 584-589.	1.0	10
104	Doxorubicin- and Daunorubicin-Induced Regulation of Ca2+ and H+ Fluxes Through Human Bax Inhibitor-1 Reconstituted into Membranes. Journal of Pharmaceutical Sciences, 2012, 101, 1314-1326.	1.6	10
105	Differential gene expression profiles in spontaneously hypertensive rats induced by administration of enalapril and nifedipine. International Journal of Molecular Medicine, 2013, 31, 179-187.	1.8	10
106	Self-Sufficient Catalytic System of Human Cytochrome P450 4A11 and NADPH-P450 Reductase. Biomolecules and Therapeutics, 2009, 17, 156-161.	1.1	10
107	Characterization of a Biflaviolin Synthase CYP158A3 fromStreptomyces avermitilisand Its Role in the Biosynthesis of Secondary Metabolites. Biomolecules and Therapeutics, 2017, 25, 171-176.	1.1	10
108	Non-specific inhibition of human cytochrome P450-catalyzed reactions by hemin. Toxicology Letters, 2004, 153, 239-246.	0.4	9

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109	Lateral segregation of anionic phospholipids in model membranes induced by cytochrome P450 2B1: Bi-directional coupling between CYP2B1 and anionic phospholipid. Archives of Biochemistry and Biophysics, 2007, 468, 226-233.	1.4	9
110	A dual function of the furanocoumarin chalepensin in inhibiting Cyp2a and inducing Cyp2b in mice: the protein stabilization and receptor-mediated activation. Archives of Toxicology, 2012, 86, 1927-1938.	1.9	9
111	Promoted ABA Hydroxylation by Capsicum annuum CYP707As Overexpression Suppresses Pollen Maturation in Nicotiana tabacum. Frontiers in Plant Science, 2020, 11, 583767.	1.7	9
112	Cyclophilin A is an endogenous ligand for the triggering receptor expressed on myeloid cellsâ€2 (TREM2). FASEB Journal, 2021, 35, e21479.	0.2	9
113	Production of a Human Metabolite of Atorvastatin by Bacterial CYP102A1 Peroxygenase. Applied Sciences (Switzerland), 2021, 11, 603.	1.3	9
114	Polyacrylamide Gel Electrophoresis without a Stacking Gel: Application for Separation of Peptides. Analytical Biochemistry, 2002, 305, 277-279.	1.1	8
115	Induction of cytochrome p450 1a and 2b by Î±-and Î²-Ionone in sprague dawley rats. Archives of Pharmacal Research, 2002, 25, 197-201.	2.7	8
116	An NH2-terminal truncated cytochrome P450 CYP3A4 showing catalytic activity is present in the cytoplasm of human liver cells. Experimental and Molecular Medicine, 2008, 40, 254.	3.2	8
117	Predicting CYP2C19 catalytic parameters for enantioselective oxidations using artificial neural networks and a chirality code. Bioorganic and Medicinal Chemistry, 2013, 21, 3749-3759.	1.4	8
118	Regioselective Hydroxylation of Naringin Dihydrochalcone to Produce Neoeriocitrin Dihydrochalcone by CYP102A1 (BM3) Mutants. Catalysts, 2020, 10, 823.	1.6	8
119	Inhibition of human cytochrome P450 3A4 activity by zinc(II) ion. Toxicology Letters, 2005, 156, 341-350.	0.4	7
120	Effects of phospholipids on the functional regulation of tBID in membranes. Molecular and Cellular Biochemistry, 2012, 363, 395-408.	1.4	7
121	Enzymatic Production of 3-OH Phlorizin, a Possible Bioactive Polyphenol from Apples, by Bacillus megaterium CYP102A1 via Regioselective Hydroxylation. Antioxidants, 2021, 10, 1327.	2.2	7
122	The Flavin-Containing Reductase Domain of Cytochrome P450 BM3 Acts as a Surrogate for Mammalian NADPH-P450 Reductase. Biomolecules and Therapeutics, 2012, 20, 562-568.	1.1	7
123	Continuous spectrofluorometric and spectrophotometric assays for NADPH-cytochrome P450 reductase activity using 5-cyano-2,3-ditolyl tetrazolium chloride. Biotechnology Letters, 2009, 31, 271-275.	1.1	6
124	Effect of nonlamellar-prone lipids on protein encapsulation in liposomes. Macromolecular Research, 2009, 17, 956-962.	1.0	6
125	Role of Leu188 in the Fatty Acid Hydroxylase Activity of CYP102A1 from Bacillus megaterium. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, 35-42.	1.8	6
126	Structural insights into the binding of lauric acid to CYP107L2 from Streptomyces avermitilis. Biochemical and Biophysical Research Communications, 2017, 482, 902-908.	1.0	6

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127	Regioselective hydroxylation pathway of tenatoprazole to produce human metabolites by Bacillus megaterium CYP102A1. Process Biochemistry, 2019, 87, 95-104.	1.8	6
128	Effects of Shengmai San on key enzymes involved in hepatic and intestinal drug metabolism in rats. Journal of Ethnopharmacology, 2021, 271, 113914.	2.0	6
129	Transformation of Escherichia coli and protein expression using lipoplex mimicry. Protein Expression and Purification, 2016, 127, 68-72.	0.6	5
130	Structural and biochemical analyses reveal ubiquitin C-terminal hydrolase-L1 as a specific client of the peroxiredoxin II chaperone. Archives of Biochemistry and Biophysics, 2018, 640, 61-74.	1.4	5
131	Extracts from Erythronium japonicum and Corylopsis coreana Uyeki reduce 1,3-dichloro-2-propanol-mediated oxidative stress in human hepatic cells. Food Science and Biotechnology, 2019, 28, 175-180.	1.2	5
132	Regioselective Hydroxylation of Rhododendrol by CYP102A1 and Tyrosinase. Catalysts, 2020, 10, 1114.	1.6	5
133	Functional Significance of Cytochrome P450 1A2 Allelic Variants, P450 1A2*8, *15, and *16 (R456H, P42R,) Tj ETQq1 1 0.784314 rgBT	1.1	5
134	Aspartyl aminopeptidase of Schizosaccharomyces pombe has a molecular chaperone function. BMB Reports, 2009, 42, 812-816.	1.1	5
135	Refolding and reconstitution of human recombinant Bax inhibitor-1 into liposomes from inclusion bodies expressed in Escherichia coli. Protein Expression and Purification, 2009, 66, 35-38.	0.6	4
136	Axl is a key regulator of intestinal Î³Î´ Tâ€cell homeostasis. FASEB Journal, 2019, 33, 13386-13397.	0.2	4
137	Regioselectivity significantly impacts microsomal glucuronidation efficiency of R/S-6, 7-, and 8-hydroxywarfarin. Xenobiotica, 2019, 49, 397-403.	0.5	4
138	Trehalose increases chemical-induced transformation efficiency of Escherichia coli. Analytical Biochemistry, 2004, 333, 199-200.	1.1	3
139	Temperature effect on the functional expression of human cytochromes P450 2A6 and 2E1 inEscherichia coli. Archives of Pharmacal Research, 2005, 28, 433-437.	2.7	3
140	Peroxide-dependent oxidation reactions catalyzed by CYP191A1 from Mycobacterium smegmatis. Biotechnology Letters, 2017, 39, 1245-1252.	1.1	3
141	Regioselective Hydroxylation of Oleanolic Acid Catalyzed by Human CYP3A4 to Produce Hederagenenin, a Chiral Metabolite. Catalysts, 2021, 11, 267.	1.6	3
142	A Novel Statin Compound from Monacolin J Produced Using CYP102A1-Catalyzed Regioselective C-Hydroxylation. Pharmaceuticals, 2021, 14, 981.	1.7	3
143	Production of 3,4-dihydroxy-L-phenylalanine using novel tyrosinases from Bacillus megaterium. Enzyme and Microbial Technology, 2022, 160, 110069.	1.6	3
144	Production of polyclonal antibodies against peptide antigens using polystyrene beads as a carrier. Biotechnology Letters, 2007, 29, 1735-1740.	1.1	2

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145	Conformational Change of Escherichia coli Signal Recognition Particle Ffh Is Affected by the Functionality of Signal Peptides of Ribose-Binding Protein. Molecules and Cells, 2009, 27, 681-688.	1.0	2
146	Affinity purification of recombinant human cytochrome P450s 3A4 and 1A2 using mixed micelle systems. Protein Expression and Purification, 2014, 101, 37-41.	0.6	2
147	Biochemical analysis of recombinant CYP4A11 allelic variant enzymes: W126R, K276T and S353G. Drug Metabolism and Pharmacokinetics, 2016, 31, 445-450.	1.1	2
148	Selenium supplementation restores the decreased albumin level of peripheral blood mononuclear cells in streptozotocin-induced diabetic mice. Journal of Veterinary Medical Science, 2016, 78, 669-674.	0.3	2
149	Cationic Nanoparticles Containing Cationic Peptide Cargo Synergistically Induce Cellular Reactive Oxygen Species and Cell Death in HepG2 Cells. International Journal of Peptide Research and Therapeutics, 2019, 25, 323-327.	0.9	2
150	Effects of flupyrazofos on liver microsomal cytochrome P450 in the male Fischer 344 rat. Xenobiotica, 2000, 30, 1123-1130.	0.5	1
151	Improved long-term cryostorage of Escherichia coli competent cells using trehalose. Biotechnology Letters, 2004, 26, 1593-1594.	1.1	1
152	Ca2+-induced stimulation of the membrane binding of Escherichia coli SecA and its association with signal peptides of secretory proteins. Archives of Biochemistry and Biophysics, 2009, 486, 125-131.	1.4	1
153	Expression of CYP2A6, CYP2D6 and CYP4A11 Polymorphisms in COS7 Mammalian Cell Line. Toxicological Research, 2011, 27, 25-29.	1.1	1
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