

# Chul-Ho Yun

## List of Publications by Citations

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156  
papers

3,443  
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31  
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50  
g-index

162  
ext. papers

3,763  
ext. citations

4.3  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
156	Cytochrome P450 2E1 and 2A6 enzymes as major catalysts for metabolic activation of N-nitrosodialkylamines and tobacco-related nitrosamines in human liver microsomes. <i>Carcinogenesis</i> , <b>1992</b> , 13, 1789-94	4.6	335
155	Evidence for a 1-electron oxidation mechanism in N-dealkylation of N,N-dialkylanilines by cytochrome P450 2B1. Kinetic hydrogen isotope effects, linear free energy relationships, comparisons with horseradish peroxidase, and studies with oxygen surrogates. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 27321-9	5.4	137
154	Rate-determining steps in phenacetin oxidations by human cytochrome P450 1A2 and selected mutants. <i>Biochemistry</i> , <b>2000</b> , 39, 11319-29	3.2	132
153	Identification of the pharmacogenetic determinants of alfentanil metabolism: cytochrome P-450 3A4. An explanation of the variable elimination clearance. <i>Anesthesiology</i> , <b>1992</b> , 77, 467-74	4.3	95
152	Kinetic analysis of oxidation of coumarins by human cytochrome P450 2A6. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 12279-91	5.4	81
151	The bacterial P450 BM3: a prototype for a biocatalyst with human P450 activities. <i>Trends in Biotechnology</i> , <b>2007</b> , 25, 289-98	15.1	73
150	Cofactor-free light-driven whole-cell cytochrome P450 catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 969-73	16.4	67
149	ROS inhibit the expression of testicular steroidogenic enzyme genes via the suppression of Nur77 transactivation. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 1591-600	7.8	65
148	Generation of the human metabolite piceatannol from the anticancer-preventive agent resveratrol by bacterial cytochrome P450 BM3. <i>Drug Metabolism and Disposition</i> , <b>2009</b> , 37, 932-6	4	64
147	Characterization of diverse natural variants of CYP102A1 found within a species of <i>Bacillus megaterium</i> . <i>AMB Express</i> , <b>2011</b> , 1, 1	4.1	62
146	Non-specific inhibition of cytochrome P450 activities by chlorophyllin in human and rat liver microsomes. <i>Carcinogenesis</i> , <b>1995</b> , 16, 1437-40	4.6	62
145	Functional expression of human cytochrome P450 enzymes in <i>Escherichia coli</i> . <i>Current Drug Metabolism</i> , <b>2006</b> , 7, 411-29	3.5	61
144	Membrane insertion of cytochrome P450 1A2 promoted by anionic phospholipids. <i>Biochemistry</i> , <b>1998</b> , 37, 12860-6	3.2	61
143	Membrane properties induced by anionic phospholipids and phosphatidylethanolamine are critical for the membrane binding and catalytic activity of human cytochrome P450 3A4. <i>Biochemistry</i> , <b>2003</b> , 42, 15377-87	3.2	58
142	Interaction of human thiol-specific antioxidant protein 1 with erythrocyte plasma membrane. <i>Biochemistry</i> , <b>2000</b> , 39, 6944-50	3.2	54
141	Estrogen-related receptor $\alpha$ controls hepatic CB1 receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. <i>Gut</i> , <b>2013</b> , 62, 1044-54	19.2	50
140	Engineering bacterial cytochrome P450 (P450) BM3 into a prototype with human P450 enzyme activity using indigo formation. <i>Drug Metabolism and Disposition</i> , <b>2010</b> , 38, 732-9	4	48

139	Generation of human metabolites of 7-ethoxycoumarin by bacterial cytochrome P450 BM3. <i>Drug Metabolism and Disposition</i> , <b>2008</b> , 36, 2166-70	4	48
138	Novel protective mechanism against irreversible hyperoxidation of peroxiredoxin: Nalpha-terminal acetylation of human peroxiredoxin II. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 13455-13465	5.4	41
137	Induction of rat hepatic cytochrome P450 enzymes by myristicin. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 217, 966-71	3.4	41
136	Conformational change and activation of cytochrome P450 2B1 induced by salt and phospholipid. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 356, 229-38	4.1	40
135	Inhibition of CYP4A reduces hepatic endoplasmic reticulum stress and features of diabetes in mice. <i>Gastroenterology</i> , <b>2014</b> , 147, 860-9	13.3	39
134	Oxidations of p-alkoxyacylanilides catalyzed by human cytochrome P450 1A2: structure-activity relationships and simulation of rate constants of individual steps in catalysis. <i>Biochemistry</i> , <b>2001</b> , 40, 4521-30	3.2	39
133	Conformational change of cytochrome P450 1A2 induced by sodium chloride. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 31312-6	5.4	37
132	Surface display of heme- and diflavin-containing cytochrome P450 BM3 in Escherichia coli: a whole cell biocatalyst for oxidation. <i>Journal of Microbiology and Biotechnology</i> , <b>2010</b> , 20, 712-7	3.3	36
131	Conformational change of cytochrome P450 1A2 induced by phospholipids and detergents. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 19725-30	5.4	35
130	Triggering receptor expressed on myeloid cells 2 (TREM2) promotes adipogenesis and diet-induced obesity. <i>Diabetes</i> , <b>2015</b> , 64, 117-27	0.9	34
129	Generation of human chiral metabolites of simvastatin and lovastatin by bacterial CYP102A1 mutants. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 140-50	4	33
128	Differential effect of copper (II) on the cytochrome P450 enzymes and NADPH-cytochrome P450 reductase: inhibition of cytochrome P450-catalyzed reactions by copper (II) ion. <i>Biochemistry</i> , <b>2002</b> , 41, 9438-47	3.2	32
127	Tissue-specific effect of ascorbic acid supplementation on the expression of cytochrome P450 2E1 and oxidative stress in streptozotocin-induced diabetic rats. <i>Toxicology Letters</i> , <b>2006</b> , 166, 27-36	4.4	31
126	Contributions of human liver cytochrome P450 enzymes to the N-oxidation of 4,4'-methylene-bis(2-chloroaniline). <i>Carcinogenesis</i> , <b>1992</b> , 13, 217-22	4.6	31
125	Cardiolipin, phosphatidylserine, and BH4 domain of Bcl-2 family regulate Ca <sup>2+</sup> /H <sup>+</sup> antiporter activity of human Bax inhibitor-1. <i>Cell Calcium</i> , <b>2010</b> , 47, 387-96	4	30
124	Inhibitory effect of anethole on T-lymphocyte proliferation and interleukin-2 production through down-regulation of the NF-AT and AP-1. <i>Toxicology in Vitro</i> , <b>2006</b> , 20, 1098-105	3.6	30
123	Hydroxywarfarin metabolites potently inhibit CYP2C9 metabolism of S-warfarin. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 939-45	4	28
122	Metabolism of R- and S-warfarin by CYP2C19 into four hydroxywarfarins. <i>Drug Metabolism Letters</i> , <b>2012</b> , 6, 157-64	2.1	28

121	Bacterial $\beta(1,3)$ -glucan prevents DSS-induced IBD by restoring the reduced population of regulatory T cells. <i>Immunobiology</i> , <b>2014</b> , 219, 802-12	3.4	27
120	Interleukin-24 attenuates $\beta$ -glycerophosphate-induced calcification of vascular smooth muscle cells by inhibiting apoptosis, the expression of calcification and osteoblastic markers, and the Wnt/ $\beta$ -catenin pathway. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 428, 50-5	3.4	27
119	Ca <sup>2+</sup> /H <sup>+</sup> antiporter-like activity of human recombinant Bax inhibitor-1 reconstituted into liposomes. <i>FEBS Journal</i> , <b>2009</b> , 276, 2285-91	5.7	27
118	Heterologous expression and characterization of wild-type human cytochrome P450 1A2 without conventional N-terminal modification in Escherichia coli. <i>Protein Expression and Purification</i> , <b>2008</b> , 57, 188-200	2	27
117	Functional expression of mammalian NADPH-cytochrome P450 oxidoreductase on the cell surface of Escherichia coli. <i>Protein Expression and Purification</i> , <b>2006</b> , 49, 292-8	2	27
116	Potential in vitro Protective Effect of Quercetin, Catechin, Caffeic Acid and Phytic Acid against Ethanol-Induced Oxidative Stress in SK-Hep-1 Cells. <i>Biomolecules and Therapeutics</i> , <b>2012</b> , 20, 492-8	4.2	27
115	Kinetic analysis of lauric acid hydroxylation by human cytochrome P450 4A11. <i>Biochemistry</i> , <b>2014</b> , 53, 6161-72	3.2	26
114	Chimeric cytochromes P450 engineered by domain swapping and random mutagenesis for producing human metabolites of drugs. <i>Biotechnology and Bioengineering</i> , <b>2014</b> , 111, 1313-22	4.9	25
113	Functional characterization of allelic variants of polymorphic human cytochrome P450 2A6 (CYP2A6*5, *7, *8, *18, *19, and *35). <i>Biological and Pharmaceutical Bulletin</i> , <b>2012</b> , 35, 394-9	2.3	25
112	Heterologous expression and characterization of the sterol 14 $\alpha$ -demethylase CYP51F1 from <i>Candida albicans</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 509, 9-15	4.1	25
111	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. <i>FEBS Journal</i> , <b>2006</b> , 273, 2223-31	5.7	25
110	Phospholipase D activity of cytochrome P450 in human liver endoplasmic reticulum. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 367, 81-8	4.1	25
109	Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 983-987	3.8	24
108	Functional expression in <i>Bacillus subtilis</i> of mammalian NADPH-cytochrome P450 oxidoreductase and its spore-display. <i>Protein Expression and Purification</i> , <b>2009</b> , 63, 5-11	2	24
107	Polyacrylamide gel electrophoresis without a stacking gel: use of amino acids as electrolytes. <i>Analytical Biochemistry</i> , <b>2001</b> , 291, 300-3	3.1	24
106	Mechanism-based inactivation of cytochrome P450 2A6 by decursinol angelate isolated from <i>Angelica Gigas</i> . <i>Drug Metabolism and Disposition</i> , <b>2007</b> , 35, 1759-65	4	21
105	Suppression of interleukin-2 gene expression by isoeugenol is mediated through down-regulation of NF-AT and NF- $\kappa$ B. <i>International Immunopharmacology</i> , <b>2007</b> , 7, 1251-8	5.8	21
104	A continuous spectrophotometric assay for NADPH-cytochrome P450 reductase activity using 1,1-diphenyl-2-picrylhydrazyl. <i>BMB Reports</i> , <b>2004</b> , 37, 629-33	5.5	21

103	Oxidation of human cytochrome P450 1A2 substrates by <i>Bacillus megaterium</i> cytochrome P450 BM3. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 63, 179-187		20
102	Functional and conformational modulation of human cytochrome P450 1B1 by anionic phospholipids. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 493, 143-50	4.1	19
101	Involvement of nonlamellar-prone lipids in the stability increase of human cytochrome P450 1A2 in reconstituted membranes. <i>Biochemistry</i> , <b>2005</b> , 44, 9188-96	3.2	19
100	Roles of human liver cytochrome P450 3A4 and 1A2 enzymes in the oxidation of myristicin. <i>Toxicology Letters</i> , <b>2003</b> , 137, 143-50	4.4	19
99	Suppression of cytochrome P450 (Cyp1a-1) induction in mouse hepatoma Hepa-1C1C7 cells by methoxsalen. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 208, 1124-30	3.4	19
98	A continuous spectrophotometric assay for NADPH-cytochrome P450 reductase activity using 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide. <i>BMB Reports</i> , <b>2005</b> , 38, 366-9	5.5	19
97	Functional characterization of CYP107W1 from <i>Streptomyces avermitilis</i> and biosynthesis of macrolide oligomycin A. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 575, 1-7	4.1	18
96	<i>Bacillus</i> spore display. <i>Trends in Biotechnology</i> , <b>2012</b> , 30, 610-2	15.1	18
95	Beta sheet 2-alpha helix C loop of cytochrome P450 reductase serves as a docking site for redox partners. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 1285-93	4	18
94	Development of peptide substrates for trypsin based on monomer/excimer fluorescence of pyrene. <i>Analytical Biochemistry</i> , <b>2002</b> , 306, 247-51	3.1	18
93	What makes P450s work? Searches for answers with known and new P450s. <i>Drug Metabolism Reviews</i> , <b>2000</b> , 32, 267-81	7	18
92	Phase properties of liquid-crystalline Phosphatidylcholine/Phosphatidylethanolamine bilayers revealed by fluorescent probes. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 369, 288-94	4.1	18
91	Heterologous expression and functional characterization of the NADPH-cytochrome P450 reductase from <i>Capsicum annum</i> . <i>Plant Physiology and Biochemistry</i> , <b>2014</b> , 82, 116-22	5.4	17
90	Crystal structure of cytochrome P450 CYP105N1 from <i>Streptomyces coelicolor</i> , an oxidase in the coelibactin siderophore biosynthetic pathway. <i>Archives of Biochemistry and Biophysics</i> , <b>2012</b> , 528, 111-7	4.1	17
89	Heme-thiolate sulfenylation of human cytochrome P450 4A11 functions as a redox switch for catalytic inhibition. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 11230-11242	5.4	16
88	Highly regioselective hydroxylation of polydatin, a resveratrol glucoside, for one-step synthesis of astringin, a piceatannol glucoside, by P450 BM3. <i>Enzyme and Microbial Technology</i> , <b>2017</b> , 97, 34-42	3.8	16
87	Functional characterization of steroid hydroxylase CYP106A1 derived from <i>Bacillus megaterium</i> . <i>Archives of Pharmacal Research</i> , <b>2015</b> , 38, 98-107	6.1	16
86	Anionic phospholipid-induced regulation of reactive oxygen species production by human cytochrome P450 2E1. <i>FEBS Letters</i> , <b>2008</b> , 582, 1771-6	3.8	16

85	TREM2 Acts as a Tumor Suppressor in Colorectal Carcinoma through Wnt1/-catenin and Erk Signaling. <i>Cancers</i> , <b>2019</b> , 11,	6.6	15
84	Cargo-Free Nanoparticles Containing Cationic Lipids Induce Reactive Oxygen Species and Cell Death in HepG2 Cells. <i>Biological and Pharmaceutical Bulletin</i> , <b>2016</b> , 39, 1338-46	2.3	15
83	Functional influence of human CYP2D6 allelic variations: P34S, E418K, S486T, and R296C. <i>Archives of Pharmacal Research</i> , <b>2013</b> , 36, 1500-6	6.1	15
82	Directed evolution reveals requisite sequence elements in the functional expression of P450 2F1 in <i>Escherichia coli</i> . <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1964-74	4	15
81	Identification of cytochrome P450 2E1 in rat brain. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 231, 254-6	3.4	15
80	Effects of beta-ionone on the expression of cytochrome P450s and NADPH-cytochrome P450 reductase in Sprague Dawley rats. <i>Chemico-Biological Interactions</i> , <b>1998</b> , 114, 97-107	5	14
79	Induction of liver cytochrome P450 2B1 by beta-ionone in Sprague Dawley rats. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 216, 198-202	3.4	14
78	Contribution of three CYP3A isoforms to metabolism of R- and S-warfarin. <i>Drug Metabolism Letters</i> , <b>2010</b> , 4, 213-9	2.1	13
77	Molecular mechanisms regulating the mitochondrial targeting of microsomal cytochrome P450 enzymes. <i>Current Drug Metabolism</i> , <b>2010</b> , 11, 830-8	3.5	13
76	Functional regulation of hepatic cytochrome p450 enzymes by physicochemical properties of phospholipids in biological membranes. <i>Current Protein and Peptide Science</i> , <b>2007</b> , 8, 496-505	2.8	13
75	The role of cytochrome P450 2B6 and 2B4 substrate access channel residues predicted based on crystal structures of the amlodipine complexes. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 545, 100-74.1	4.1	12
74	Regioselective hydroxylation of 17 $\beta$ -estradiol by mutants of CYP102A1 from <i>Bacillus megaterium</i> . <i>Biotechnology Letters</i> , <b>2014</b> , 36, 2501-6	3	12
73	Importance of phosphatidylethanolamine for the interaction of apocytochrome c with model membranes containing phosphatidylserine. <i>Biochemistry</i> , <b>2000</b> , 39, 10147-53	3.2	12
72	Effects of lipids on the interaction of SecA with model membranes. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 395, 14-20	4.1	12
71	Identification of cytochrome P450 1A1 in human brain. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 243, 808-10	3.4	12
70	Solar-driven biocatalytic C-hydroxylation through direct transfer of photoinduced electrons. <i>Green Chemistry</i> , <b>2019</b> , 21, 515-525	10	11
69	Decreased level of albumin in peripheral blood mononuclear cells of streptozotocin-induced diabetic rats. <i>Journal of Veterinary Medical Science</i> , <b>2014</b> , 76, 1087-92	1.1	11
68	High-level expression of human cytochrome P450 3A4 by co-expression with human molecular chaperone HDJ-1 (Hsp40). <i>Archives of Pharmacal Research</i> , <b>2004</b> , 27, 319-23	6.1	11

67	Involvement of P4503A in the metabolism of 7,8-benzoflavone by human liver microsomes. <i>Xenobiotica</i> , <b>1994</b> , 24, 1053-62	2	11
66	Effects of aqueous extract of <i>Ruta graveolens</i> and its ingredients on cytochrome P450, uridine diphosphate (UDP)-glucuronosyltransferase, and reduced nicotinamide adenine dinucleotide (phosphate) (NAD(P)H)-quinone oxidoreductase in mice. <i>Journal of Food and Drug Analysis</i> , <b>2015</b> , 23, 511-522	7	10
65	Lysophosphatidylserine-induced functional switch of human cytochrome P450 1A2 and 2E1 from monooxygenase to phospholipase D. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 376, 584-9	3.4	10
64	High-level expression of human cytochrome P450 1A2 by co-expression with human molecular chaperone HDJ-1(Hsp40). <i>Protein Expression and Purification</i> , <b>2004</b> , 36, 48-52	2	10
63	Ovalbumin-induced fusion of acidic phospholipid vesicles at low pH. <i>Journal of Biochemistry</i> , <b>1989</b> , 105, 406-11	3.1	10
62	Structural Analysis of the <i>Streptomyces avermitilis</i> CYP107W1-Oligomycin A Complex and Role of the Tryptophan 178 Residue. <i>Molecules and Cells</i> , <b>2016</b> , 39, 211-6	3.5	10
61	Screening of Human CYP1A2 and CYP3A4 Inhibitors from Seaweed In Silico and In Vitro. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	10
60	Regioselective hydroxylation of omeprazole enantiomers by bacterial CYP102A1 mutants. <i>Drug Metabolism and Disposition</i> , <b>2014</b> , 42, 1493-7	4	9
59	Doxorubicin- and daunorubicin-induced regulation of Ca <sup>2+</sup> and H <sup>+</sup> fluxes through human bax inhibitor-1 reconstituted into membranes. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 1314-26	3.9	9
58	Differential gene expression profiles in spontaneously hypertensive rats induced by administration of enalapril and nifedipine. <i>International Journal of Molecular Medicine</i> , <b>2013</b> , 31, 179-87	4.4	9
57	Lateral segregation of anionic phospholipids in model membranes induced by cytochrome P450 2B1: bi-directional coupling between CYP2B1 and anionic phospholipid. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 468, 226-33	4.1	9
56	Enhanced expression of human cytochrome P450 1A2 by co-expression with human molecular chaperone Hsp70. <i>Toxicology Letters</i> , <b>2004</b> , 153, 267-72	4.4	9
55	Self-Sufficient Catalytic System of Human Cytochrome P450 4A11 and NADPH-P450 Reductase. <i>Biomolecules and Therapeutics</i> , <b>2009</b> , 17, 156-161	4.2	9
54	Regioselective C-H hydroxylation of omeprazole sulfide by <i>Bacillus megaterium</i> CYP102A1 to produce a human metabolite. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 105-112	3	8
53	A dual function of the furanocoumarin chalepensis in inhibiting Cyp2a and inducing Cyp2b in mice: the protein stabilization and receptor-mediated activation. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 1927-38	5.8	8
52	Predicting CYP2C19 catalytic parameters for enantioselective oxidations using artificial neural networks and a chirality code. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 3749-59	3.4	8
51	Non-specific inhibition of human cytochrome P450-catalyzed reactions by hemin. <i>Toxicology Letters</i> , <b>2004</b> , 153, 239-46	4.4	8
50	Biodegradation of polystyrene by bacteria from the soil in common environments. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 126239	12.8	8

49	Biocatalytic Production of a Potent Inhibitor of Adipocyte Differentiation from Phloretin Using Engineered CYP102A1. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 6683-6691	5.7	7
48	Effects of phospholipids on the functional regulation of tBID in membranes. <i>Molecular and Cellular Biochemistry</i> , <b>2012</b> , 363, 395-408	4.2	7
47	Polyacrylamide gel electrophoresis without a stacking gel: application for separation of peptides. <i>Analytical Biochemistry</i> , <b>2002</b> , 305, 277-9	3.1	7
46	Effect of nonlamellar-prone lipids on protein encapsulation in liposomes. <i>Macromolecular Research</i> , <b>2009</b> , 17, 956-962	1.9	6
45	An NH2-terminal truncated cytochrome P450 CYP3A4 showing catalytic activity is present in the cytoplasm of human liver cells. <i>Experimental and Molecular Medicine</i> , <b>2008</b> , 40, 254-60	12.8	6
44	Characterization of a Biflavinol Synthase CYP158A3 from and Its Role in the Biosynthesis of Secondary Metabolites. <i>Biomolecules and Therapeutics</i> , <b>2017</b> , 25, 171-176	4.2	6
43	Regioselective Hydroxylation of Phloretin, a Bioactive Compound from Apples, by Human Cytochrome P450 Enzymes. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	5
42	Induction of cytochrome P450 1A and 2B by alpha- and beta-ionone in Sprague Dawley rats. <i>Archives of Pharmacal Research</i> , <b>2002</b> , 25, 197-201	6.1	5
41	The Flavin-Containing Reductase Domain of Cytochrome P450 BM3 Acts as a Surrogate for Mammalian NADPH-P450 Reductase. <i>Biomolecules and Therapeutics</i> , <b>2012</b> , 20, 562-8	4.2	5
40	Functional Significance of Cytochrome P450 1A2 Allelic Variants, P450 1A2*8, *15, and *16 (R456H, P42R, and R377Q). <i>Biomolecules and Therapeutics</i> , <b>2015</b> , 23, 189-94	4.2	5
39	Aspartyl aminopeptidase of <i>Schizosaccharomyces pombe</i> has a molecular chaperone function. <i>BMB Reports</i> , <b>2009</b> , 42, 812-6	5.5	5
38	Transformation of <i>Escherichia coli</i> and protein expression using lipoplex mimicry. <i>Protein Expression and Purification</i> , <b>2016</b> , 127, 68-72	2	4
37	Continuous spectrofluorometric and spectrophotometric assays for NADPH-cytochrome P450 reductase activity using 5-cyano-2,3-ditoyl tetrazolium chloride. <i>Biotechnology Letters</i> , <b>2009</b> , 31, 271-5	3	4
36	Role of Leu188 in the Fatty Acid Hydroxylase Activity of CYP102A1 from <i>Bacillus megaterium</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2016</b> , 133, 35-42		4
35	P450-driven plastic-degrading synthetic bacteria. <i>Trends in Biotechnology</i> , <b>2021</b> ,	15.1	4
34	Production of a Human Metabolite of Atorvastatin by Bacterial CYP102A1 Peroxygenase. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 603	2.6	4
33	Structural insights into the binding of lauric acid to CYP107L2 from <i>Streptomyces avermitilis</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 902-908	3.4	3
32	Structural and biochemical analyses reveal ubiquitin C-terminal hydrolase-L1 as a specific client of the peroxiredoxin II chaperone. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 640, 61-74	4.1	3



31	Extracts from and Uyeki reduce 1,3-dichloro-2-propanol-mediated oxidative stress in human hepatic cells. <i>Food Science and Biotechnology</i> , <b>2019</b> , 28, 175-180	3	3
30	Refolding and reconstitution of human recombinant Bax inhibitor-1 into liposomes from inclusion bodies expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , <b>2009</b> , 66, 35-8	2	3
29	Inhibition of human cytochrome P450 3A4 activity by zinc(II) ion. <i>Toxicology Letters</i> , <b>2005</b> , 156, 341-50	4.4	3
28	Temperature effect on the functional expression of human cytochromes P450 2A6 and 2E1 in <i>Escherichia coli</i> . <i>Archives of Pharmacal Research</i> , <b>2005</b> , 28, 433-7	6.1	3
27	Effects of Shengmai San on key enzymes involved in hepatic and intestinal drug metabolism in rats. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 271, 113914	5	3
26	Regioselectivity significantly impacts microsomal glucuronidation efficiency of R/S-6, 7-, and 8-hydroxywarfarin. <i>Xenobiotica</i> , <b>2019</b> , 49, 397-403	2	3
25	Peroxide-dependent oxidation reactions catalyzed by CYP191A1 from <i>Mycobacterium smegmatis</i> . <i>Biotechnology Letters</i> , <b>2017</b> , 39, 1245-1252	3	2
24	Axl is a key regulator of intestinal $\Gamma$ -cell homeostasis. <i>FASEB Journal</i> , <b>2019</b> , 33, 13386-13397	0.9	2
23	Affinity purification of recombinant human cytochrome P450s 3A4 and 1A2 using mixed micelle systems. <i>Protein Expression and Purification</i> , <b>2014</b> , 101, 37-41	2	2
22	Conformational change of <i>Escherichia coli</i> signal recognition particle Ffh is affected by the functionality of signal peptides of ribose-binding protein. <i>Molecules and Cells</i> , <b>2009</b> , 27, 681-7	3.5	2
21	Production of polyclonal antibodies against peptide antigens using polystyrene beads as a carrier. <i>Biotechnology Letters</i> , <b>2007</b> , 29, 1735-40	3	2
20	Regioselective Hydroxylation of Naringin Dihydrochalcone to Produce Neohesperidin Dihydrochalcone by CYP102A1 (BM3) Mutants. <i>Catalysts</i> , <b>2020</b> , 10, 823	4	2
19	Cyclophilin A is an endogenous ligand for the triggering receptor expressed on myeloid cells-2 (TREM2). <i>FASEB Journal</i> , <b>2021</b> , 35, e21479	0.9	2
18	Solar-Powered Whole-Cell P450 Catalytic Platform for C-Hydroxylation Reactions. <i>ChemSusChem</i> , <b>2021</b> , 14, 3054-3058	8.3	2
17	Regioselective hydroxylation pathway of tenatoprazole to produce human metabolites by <i>Bacillus megaterium</i> CYP102A1. <i>Process Biochemistry</i> , <b>2019</b> , 87, 95-104	4.8	1
16	Selenium supplementation restores the decreased albumin level of peripheral blood mononuclear cells in streptozotocin-induced diabetic mice. <i>Journal of Veterinary Medical Science</i> , <b>2016</b> , 78, 669-74	1.1	1
15	Ca(2+)-induced stimulation of the membrane binding of <i>Escherichia coli</i> SecA and its association with signal peptides of secretory proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 486, 125-31	4.1	1
14	Improved long-term cryostorage of <i>Escherichia coli</i> competent cells using trehalose. <i>Biotechnology Letters</i> , <b>2004</b> , 26, 1593-4	3	1

13	Trehalose increases chemical-induced transformation efficiency of Escherichia coli. <i>Analytical Biochemistry</i> , <b>2004</b> , 333, 199-200	3.1	1
12	Effects of flupyrazofos on liver microsomal cytochrome P450 in the male Fischer 344 rat. <i>Xenobiotica</i> , <b>2000</b> , 30, 1123-30	2	1
11	Expression of CYP2A6, CYP2D6 and CYP4A11 Polymorphisms in COS7 Mammalian Cell Line. <i>Toxicological Research</i> , <b>2011</b> , 27, 25-9	3.7	1
10	Effects of epitope sequence tandem repeat and proline incorporation on polyclonal antibody production against cytochrome 1A2 and 3A4. <i>BMB Reports</i> , <b>2009</b> , 42, 418-20	5.5	1
9	Regioselective Hydroxylation of Rhododendrol by CYP102A1 and Tyrosinase. <i>Catalysts</i> , <b>2020</b> , 10, 1114	4	1
8	Promoted ABA Hydroxylation by Overexpression Suppresses Pollen Maturation in. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 583767	6.2	1
7	Biochemical analysis of recombinant CYP4A11 allelic variant enzymes: W126R, K276T and S353G. <i>Drug Metabolism and Pharmacokinetics</i> , <b>2016</b> , 31, 445-450	2.2	1
6	Cationic Nanoparticles Containing Cationic Peptide Cargo Synergistically Induce Cellular Reactive Oxygen Species and Cell Death in HepG2 Cells. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2019</b> , 25, 323-327	2.1	1
5	Regioselective Hydroxylation of Oleanolic Acid Catalyzed by Human CYP3A4 to Produce Hederagenenin, a Chiral Metabolite. <i>Catalysts</i> , <b>2021</b> , 11, 267	4	0
4	Production of 3,4-dihydroxy-L-phenylalanine using novel tyrosinases from Bacillus megaterium. <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 110069	3.8	0
3	Reaktitelbild: Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis (Angew. Chem. 3/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1056-1056	3.6	
2	Increase of human CYP1B1 activities by acidic phospholipids and kinetic deuterium isotope effects on CYP1B1 substrate oxidation. <i>Journal of Biochemistry</i> , <b>2012</b> , 152, 433-42	3.1	
1	Solar-Powered Whole-Cell P450 Catalytic Platform for C-Hydroxylation Reactions. <i>ChemSusChem</i> , <b>2021</b> , 14, 3030	8.3	