

# Yogan Khatri

## List of Publications by Year in descending order

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39  
papers

1,018  
citations

361296

20  
h-index

434063

31  
g-index

39  
all docs

39  
docs citations

39  
times ranked

853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the versatile monooxygenase CYP109B1 from <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 595-607.	1.7	93
2	Kinetic Solvent Isotope Effect in Human P450 CYP17A1-Mediated Androgen Formation: Evidence for a Reactive Peroxoanion Intermediate. <i>Journal of the American Chemical Society</i> , 2013, 135, 16245-16247.	6.6	73
3	Active site proton delivery and the lyase activity of human CYP17A1. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 179-184.	1.0	60
4	Regioselective hydroxylation of norisoprenoids by CYP109D1 from <i>Sorangium cellulosum</i> So ce56. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 485-495.	1.7	57
5	The CYPome of <i>Sorangium cellulosum</i> So ce56 and Identification of CYP109D1 as a New Fatty Acid Hydroxylase. <i>Chemistry and Biology</i> , 2010, 17, 1295-1305.	6.2	50
6	Structure and Function of NzeB, a Versatile C=C and C=N Bond-Forming Diketopiperazine Dimerase. <i>Journal of the American Chemical Society</i> , 2020, 142, 17413-17424.	6.6	46
7	Application of a new versatile electron transfer system for cytochrome P450-based <i>Escherichia coli</i> whole-cell bioconversions. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7741-7754.	1.7	45
8	Kinetic solvent isotope effect in steady-state turnover by CYP19A1 suggests involvement of Compound 1 for both hydroxylation and aromatization steps. <i>FEBS Letters</i> , 2014, 588, 3117-3122.	1.3	41
9	Genome Mining in <i>Sorangium cellulosum</i> So ce56. <i>Journal of Biological Chemistry</i> , 2009, 284, 28590-28598.	1.6	38
10	Role of cytochrome b5 in the modulation of the enzymatic activities of cytochrome P450 17 $\alpha$ -hydroxylase/17,20-lyase (P450 17A1). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 170, 2-18.	1.2	38
11	CYP264B1 from <i>Sorangium cellulosum</i> So ce56: a fascinating norisoprenoid and sesquiterpene hydroxylase. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 123-133.	1.7	32
12	Characterization of the Gene Cluster CYP264B1-geoA from <i>Sorangium cellulosum</i> So ce56: Biosynthesis of (+)-Eremophilene and Its Hydroxylation. <i>ChemBioChem</i> , 2015, 16, 337-344.	1.3	32
13	Novel family members of CYP109 from <i>Sorangium cellulosum</i> So ce56 exhibit characteristic biochemical and biophysical properties. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 18-29.	1.4	28
14	Structure-Based Engineering of Steroidogenic CYP260A1 for Stereo- and Regioselective Hydroxylation of Progesterone. <i>ACS Chemical Biology</i> , 2018, 13, 1021-1028.	1.6	28
15	Engineered Production of Hapalindole Alkaloids in the Cyanobacterium <i>Synechococcus</i> sp. UTEX 2973. <i>ACS Synthetic Biology</i> , 2019, 8, 1941-1951.	1.9	28
16	Highly Efficient CYP167A1 (EpoK) dependent Epothilone B Formation and Production of 7-Ketone Epothilone D as a New Epothilone Derivative. <i>Scientific Reports</i> , 2015, 5, 14881.	1.6	26
17	Conversions of Tricyclic Antidepressants and Antipsychotics with Selected P450s from <i>Sorangium cellulosum</i> So ce56. <i>Drug Metabolism and Disposition</i> , 2015, 43, 392-399.	1.7	25
18	Substrate Hunting for the Myxobacterial CYP260A1 Revealed New 1 $\alpha$ -Hydroxylated Products from $\Delta^19$ Steroids. <i>ChemBioChem</i> , 2016, 17, 90-101.	1.3	24

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19	Investigating the effect of available redox protein ratios for the conversion of a steroid by a myxobacterial <i>CYP260A1</i> . <i>FEBS Letters</i> , 2017, 591, 1126-1140.	1.3	24
20	A single terpene synthase is responsible for a wide variety of sesquiterpenes in <i>Sorangium cellulosum</i> So ce56. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3385-3393.	1.5	22
21	A natural heme signature variant of <i>CYP267A1</i> from <i>Sorangium cellulosum</i> So ce56 executes diverse $\alpha$ -hydroxylation. <i>FEBS Journal</i> , 2015, 282, 74-88.	2.2	21
22	Molecular Basis of Iterative C-H Oxidation by TamI, a Multifunctional P450 Monooxygenase from the Tirandamycin Biosynthetic Pathway. <i>ACS Catalysis</i> , 2020, 10, 13445-13454.	5.5	20
23	Multicomponent Microscale Biosynthesis of Unnatural Cyanobacterial Indole Alkaloids. <i>ACS Synthetic Biology</i> , 2020, 9, 1349-1360.	1.9	19
24	Engineering P450 TamI as an Iterative Biocatalyst for Selective Late-Stage C-H Functionalization and Epoxidation of Tirandamycin Antibiotics. <i>ACS Catalysis</i> , 2021, 11, 8304-8316.	5.5	18
25	Identification of new substrates for the CYP106A1-mediated 11 $\alpha$ -oxidation and investigation of the reaction mechanism. <i>FEBS Letters</i> , 2015, 589, 2320-2326.	1.3	17
26	Investigation of cytochromes P450 in myxobacteria: Excavation of cytochromes P450 from the genome of <i>Sorangium cellulosum</i> So ce56. <i>FEBS Letters</i> , 2011, 585, 1506-1513.	1.3	13
27	Structure-function analysis for the hydroxylation of $\Delta^4$ C21 $\alpha$ -steroids by the myxobacterial CYP260B1. <i>FEBS Letters</i> , 2016, 590, 1838-1851.	1.3	13
28	CYP267A1 and CYP267B1 from <i>Sorangium cellulosum</i> So ce56 are Highly Versatile Drug Metabolizers. <i>Drug Metabolism and Disposition</i> , 2016, 44, 495-504.	1.7	13
29	A Versatile Chemoenzymatic Synthesis for the Discovery of Potent Cryptophycin Analogs. <i>ACS Chemical Biology</i> , 2020, 15, 524-532.	1.6	12
30	Scrutiny of electrochemically-driven electrocatalysis of C-19 steroid 11 $\alpha$ -hydroxylase (CYP260A1) from <i>Sorangium cellulosum</i> So ce56. <i>Analytical Biochemistry</i> , 2016, 513, 28-35.	1.1	11
31	Structural characterization of <i>CYP260A1</i> from <i>Sorangium cellulosum</i> to investigate the 11 $\alpha$ -hydroxylation of a mineralocorticoid. <i>FEBS Letters</i> , 2016, 590, 4638-4648.	1.3	10
32	Epoxidation and Late-Stage C-H Functionalization by P450 TamI Are Mediated by Variant Heme-Iron Oxidizing Species. <i>ACS Catalysis</i> , 2022, 12, 3731-3742.	5.5	9
33	An indole-deficient <i>Escherichia coli</i> strain improves screening of cytochromes P450 for biotechnological applications. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 315-326.	1.4	8
34	Human P450 CYP17A1: Control of Substrate Preference by Asparagine 202. <i>Biochemistry</i> , 2018, 57, 764-771.	1.2	8
35	Structural Diversification of Hapalindole and Fischerindole Natural Products via Cascade Biocatalysis. <i>ACS Catalysis</i> , 2021, 11, 4670-4681.	5.5	6
36	Investigating the roles of T224 and T232 in the oxidation of cinnamaldehyde catalyzed by myxobacterial <i>CYP260B1</i> . <i>FEBS Letters</i> , 2017, 591, 39-46.	1.3	5

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37	The impact of the clinical CYP11B2 mutation V386A strongly depends on the enzyme's genetic background. <i>Endocrine Journal</i> , 2017, 64, 457-461.	0.7	2
38	Structural insights into oxidation of medium-chain fatty acids and flavanone by myxobacterial cytochrome P450 CYP267B1. <i>Biochemical Journal</i> , 2018, 475, 2801-2817.	1.7	2
39	Direct electrochemistry of CYP109C1, CYP109C2 and CYP109D1 from <i>Sorangium cellulosum</i> So ce56. <i>Electrochimica Acta</i> , 2016, 192, 72-79.	2.6	1