

# Michel Kranendonk

## List of Publications by Year in descending order

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39  
papers

930  
citations

430442

18  
h-index

476904

29  
g-index

46  
all docs

46  
docs citations

46  
times ranked

873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commandeuring Xenobiotic Metabolism: Advances in Understanding Xenobiotic Metabolism. <i>Chemical Research in Toxicology</i> , 2022, 35, 1184-1201.	1.7	4
2	Electrochemical Activity of Cytochrome P450 1A2: The Relevance of O <sub>2</sub> Control and the Natural Electron Donor. <i>ChemElectroChem</i> , 2021, 8, 500-507.	1.7	2
3	Electrochemical Activity of Cytochrome P450 1A2: The Relevance of O <sub>2</sub> Control and the Natural Electron Donor. <i>ChemElectroChem</i> , 2021, 8, 430-430.	1.7	0
4	The Central Role of Cytochrome P450 in Xenobiotic Metabolism—A Brief Review on a Fascinating Enzyme Family. <i>Journal of Xenobiotics</i> , 2021, 11, 94-114.	2.9	164
5	Advanced preclinical models for evaluation of drug-induced liver injury — consensus statement by the European Drug-Induced Liver Injury Network [PRO-EURO-DILI-NET]. <i>Journal of Hepatology</i> , 2021, 75, 935-959.	1.8	66
6	Interaction Modes of Microsomal Cytochrome P450s with Its Reductase and the Role of Substrate Binding. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6669.	1.8	9
7	The Role of the FMN-Domain of Human Cytochrome P450 Oxidoreductase in Its Promiscuous Interactions With Structurally Diverse Redox Partners. <i>Frontiers in Pharmacology</i> , 2020, 11, 299.	1.6	22
8	A personally guided tour on some of our data with the Ames assay—A tribute to Professor Bruce Ames. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 846, 503094.	0.9	3
9	Accurate Determination of Human CPR Conformational Equilibrium by smFRET Using Dual Orthogonal Noncanonical Amino Acid Labeling. <i>ChemBioChem</i> , 2019, 20, 659-666.	1.3	13
10	Probing the Role of the Hinge Segment of Cytochrome P450 Oxidoreductase in the Interaction with Cytochrome P450. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3914.	1.8	16
11	Human cytochrome P450 expression in bacteria: Whole-cell high-throughput activity assay for CYP1A2, 2A6 and 3A4. <i>Biochemical Pharmacology</i> , 2018, 158, 134-140.	2.0	7
12	The Hinge Segment of Human NADPH-Cytochrome P450 Reductase in Conformational Switching: The Critical Role of Ionic Strength. <i>Frontiers in Pharmacology</i> , 2017, 8, 755.	1.6	21
13	Editorial: Role of Protein-Protein Interactions in Metabolism: Genetics, Structure, Function. <i>Frontiers in Pharmacology</i> , 2017, 8, 881.	1.6	5
14	Prototype Systems Containing Human Cytochrome P450 for High-Throughput Real-Time Detection of DNA Damage by Compounds That Form DNA-Reactive Metabolites. <i>Chemical Research in Toxicology</i> , 2016, 29, 747-756.	1.7	2
15	Instability of the Human Cytochrome P450 Reductase A287P Variant Is the Major Contributor to Its Antley-Bixler Syndrome-like Phenotype. <i>Journal of Biological Chemistry</i> , 2016, 291, 20487-20502.	1.6	26
16	Cytochrome P450 expression system for high-throughput real-time detection of genotoxicity: Application to the study of human CYP1A2 variants. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 806, 24-33.	0.9	4
17	Human Sulfotransferase 1A1-Dependent Mutagenicity of 12-Hydroxy-nevirapine: The Missing Link?. <i>Chemical Research in Toxicology</i> , 2014, 27, 1967-1971.	1.7	9
18	Functional characterization of eight human CYP1A2 variants. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 41-52.	0.7	25

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19	Altered Human CYP3A4 Activity Caused by Antley-Bixler Syndrome-Related Variants of NADPH-Cytochrome P450 Oxidoreductase Measured in a Robust In Vitro System. <i>Drug Metabolism and Disposition</i> , 2012, 40, 754-760.	1.7	27
20	Human Cytochrome P450 Oxidoreductase Deficiency Caused by the Y181D Mutation: Molecular Consequences and Rescue of Defect. <i>Drug Metabolism and Disposition</i> , 2010, 38, 332-340.	1.7	49
21	Functional characterization of eight human cytochrome P450 1A2 gene variants by recombinant protein expression. <i>Pharmacogenomics Journal</i> , 2010, 10, 478-488.	0.9	27
22	Alkylating Potential of Oxetanes. <i>Chemical Research in Toxicology</i> , 2010, 23, 1275-1281.	1.7	5
23	Simple and sensitive antimalarial drug screening in vitro and in vivo using transgenic luciferase expressing <i>Plasmodium berghei</i> parasites. <i>International Journal for Parasitology</i> , 2008, 38, 1651-1662.	1.3	69
24	Impairment of human CYP1A2-mediated xenobiotic metabolism by Antley-Bixler syndrome variants of cytochrome P450 oxidoreductase. <i>Archives of Biochemistry and Biophysics</i> , 2008, 475, 93-99.	1.4	49
25	Genotoxicity and endoreduplication inducing activity of the food flavouring eugenol. <i>Mutagenesis</i> , 2006, 21, 199-204.	1.0	60
26	The stimulatory role of human cytochrome b5 in the bioactivation activities of human CYP1A2, 2A6 and 2E1: a new cell expression system to study cytochrome P450 mediated biotransformation. <i>Mutagenesis</i> , 2005, 20, 93-100.	1.0	22
27	<i>Escherichia coli</i> BTC, a human cytochrome P450 competent tester strain with a high sensitivity towards alkylating agents: involvement of alkyltransferases in the repair of DNA damage induced by aromatic amines. <i>Mutagenesis</i> , 2005, 20, 199-208.	1.0	23
28	DNA Polymorphisms as Modulators of Genotoxicity and Cancer. <i>Biological Chemistry</i> , 2002, 383, 923-32.	1.2	9
29	Heterologous Expression of Xenobiotic Mammalian-Metabolizing Enzymes in Mutagenicity Tester Bacteria: An Update and Practical Considerations. <i>Critical Reviews in Toxicology</i> , 2000, 30, 287-306.	1.9	14
30	<i>Escherichia coli</i> MTC, a NADPH cytochrome P450 reductase competent mutagenicity tester strain for the expression of human cytochrome P450: Comparison of three types of expression systems. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 439, 287-300.	0.9	21
31	<i>Escherichia coli</i> MTC, a human NADPH P450 reductase competent mutagenicity tester strain for the expression of human cytochrome P450 isoforms 1A1, 1A2, 2A6, 3A4, or 3A5: catalytic activities and mutagenicity studies. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 441, 73-83.	0.9	31
32	Expression of human cytochrome P450 1A2 in <i>Escherichia coli</i> : a system for biotransformation and genotoxicity studies of chemical carcinogens. <i>Mutagenesis</i> , 1998, 13, 263-269.	1.0	44
33	Characterization of enzyme activities and cofactors involved in bioactivation and bioinactivation of chemical carcinogens in the tester strains <i>Escherichia coli</i> K12 MX100 and <i>Salmonella typhimurium</i> LT2 TA100. <i>Mutagenesis</i> , 1997, 12, 245-254.	1.0	24
34	MX100, a new <i>Escherichia coli</i> tester strain for use in genotoxicity studies. <i>Mutagenesis</i> , 1996, 11, 327-333.	1.0	18
35	Isolation and prevalidation of an <i>Escherichia coli</i> tester strain for the use in mechanistic and metabolic studies of genotoxins. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1994, 312, 99-109.	0.4	10
36	Selected abstracts of the 22nd annual meeting of the European environmental mutagen society, 31 August-4 September 1992, Berlin (Germany). <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1993, 291, 223-297.	0.4	1

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37	Metabolic activation of mutagens by human haemoglobin. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 402.	0.4	1
38	Non-Specific Binding of the Fluorescent B-Adrenergic Receptor Probe Alprenolol-NBD. Journal of Receptors and Signal Transduction, 1985, 5, 121-131.	1.2	10
39	Role of Protein-Protein Interactions in Metabolism: Genetics, Structure, Function. Frontiers Research Topics, 0, , .	0.2	0