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## Conformational dynamics in cytochrome P450-substrate interactions

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#	Paper	IF	Citations
36	Molecular dynamics study of time-correlated protein domain motions and molecular flexibility: cytochrome P450BM-3. <i>Biophysical Journal</i> , <b>1997</b> , 73, 1147-59	2.9	68
35	A close family resemblance: the importance of structure in understanding cytochromes P450. <i>Structure</i> , <b>1998</b> , 6, 1079-85	5.2	117
34	How similar are P450s and what can their differences teach us?. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 369, 24-9	4.1	164
33	Common and uncommon cytochrome P450 reactions related to metabolism and chemical toxicity. <i>Chemical Research in Toxicology</i> , <b>2001</b> , 14, 611-50	4	1303
32	Structural determinants of active site binding affinity and metabolism by cytochrome P450 BM-3. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 387, 117-24	4.1	41
31	Crystal structure of cytochrome P450 14alpha-sterol demethylase (CYP51) from Mycobacterium tuberculosis in complex with azole inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 3068-73	11.5	456
30	Crystal structure of human cytochrome P450 2C9 with bound warfarin. <i>Nature</i> , <b>2003</b> , 424, 464-8	50.4	733
29	Conservation in the CYP51 family. Role of the BShelix/BC loop and helices F and G in enzymatic function. <i>Biochemistry</i> , <b>2003</b> , 42, 9091-101	3.2	69
28	A method for determining two substrates binding in the same active site of cytochrome P450BM3: an explanation of high energy omega product formation. <i>Archives of Biochemistry and Biophysics</i> , <b>2003</b> , 416, 9-16	4.1	37
27	The 1.92-A structure of Streptomyces coelicolor A3(2) CYP154C1. A new monooxygenase that functionalizes macrolide ring systems. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 12214-21	5.4	71
26	Cytochrome P450: what have we learned and what are the future issues?. <i>Drug Metabolism Reviews</i> , <b>2004</b> , 36, 159-97	7	171
25	Non-Michaelis-Menten kinetics in cytochrome P450-catalyzed reactions. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2005</b> , 45, 291-310	17.9	154
24	Cytochrome p450 in silico: an integrative modeling approach. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 2725-55	8.3	187
23	Iron: Heme Proteins, Mono- & Dioxygenases Based in part on the article Iron: Heme Proteins, Mono- & Dioxygenases by Masanori Sono & John H. Dawson which appeared in the Encyclopedia of Inorganic Chemistry, First Edition.. <b>2006</b> ,		
22	Molecular modeling-guided site-directed mutagenesis of cytochrome P450 2D6. <i>Current Drug Metabolism</i> , <b>2007</b> , 8, 59-77	3.5	39
21	Combining computational and biochemical studies for a rationale on the anti-aromatase activity of natural polyphenols. <i>ChemMedChem</i> , <b>2007</b> , 2, 1750-62	3.7	28
20	A Virtual Screening Filter for Identification of Cytochrome P450 2C9 (CYP2C9) Inhibitors. <i>QSAR and Combinatorial Science</i> , <b>2007</b> , 26, 618-628		20

19	Comparison of Bacillus monoxygenase genes for unique fatty acid production. <i>Progress in Lipid Research</i> , <b>2008</b> , 47, 1-14	14.3	17
18	Interactions of CYP2C9 with Different Substrates and its Implications for Metabolic Mechanism. <b>2008</b> ,		1
17	Drug-Drug Interactions, Second Edition. <b>2008</b> ,		6
16	The critical role of substrate-protein hydrogen bonding in the control of regioselective hydroxylation in p450cin. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 10804-12	5.4	31
15	Some Properties of a Self-Sufficient Cytochrome P-450 Monoxygenase System from Bacillus megaterium Strain ALA2. 289-308		1
14	. <b>2008</b> ,		7
13	Binding of CYP2C9 with diverse drugs and its implications for metabolic mechanism. <i>Medicinal Chemistry</i> , <b>2009</b> , 5, 263-70	1.8	25
12	Molecular modeling study on orphan human protein CYP4A22 for identification of potential ligand binding site. <i>Journal of Molecular Graphics and Modelling</i> , <b>2010</b> , 28, 524-32	2.8	15
11	Oxidative biotransformation of fatty acids by cytochromes P450: predicted key structural elements orchestrating substrate specificity, regioselectivity and catalytic efficiency. <i>Current Drug Metabolism</i> , <b>2010</b> , 11, 85-104	3.5	26
10	Iron: Heme Proteins, Mono- & Dioxygenases Based in part on the article Iron: Heme Proteins, Mono- & Dioxygenases by Masanori Sono & John H. Dawson which appeared in the Encyclopedia of Inorganic Chemistry, First Edition.. <b>2011</b> ,		
9	An expanded, unified substrate recognition site map for mammalian cytochrome P450s: analysis of molecular interactions between 15 mammalian CYP450 isoforms and 868 substrates. <i>Current Drug Metabolism</i> , <b>2011</b> , 12, 684-700	3.5	20
8	Insect cytochromes P450: topology of structural elements predicted to govern catalytic versatility. <i>Journal of Inorganic Biochemistry</i> , <b>2011</b> , 105, 1354-64	4.2	31
7	P450(BM3) (CYP102A1): connecting the dots. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1218-60	58.5	475
6	Phylogenetic and functional analyses of the cytochrome P450 family 4. <i>Molecular Phylogenetics and Evolution</i> , <b>2012</b> , 62, 458-71	4.1	29
5	Molecular Dynamics and QM/MM Calculations Predict the Substrate-Induced Gating of Cytochrome P450 BM3 and the Regio- and Stereoselectivity of Fatty Acid Hydroxylation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 837-45	16.4	62
4	Cytochrome P450-The Wonderful Nanomachine Revealed through Dynamic Simulations of the Catalytic Cycle. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 389-399	24.3	71
3	Methylene Oxidation of Alkyl Sulfates by Cytochrome P450 and a Role for Conformational Selection in Substrate Recognition. <i>ACS Catalysis</i> , <b>2020</b> , 10, 5008-5022	13.1	6
2	Oxidative Metabolic Bioactivation of Xenobiotics. <b>1999</b> , 49-79		4

- 1 The catalytic cycle of cytochrome P450: a fascinating choreography. *Trends in Chemistry*, **2021**, 14.8 4