Stephen G Sligar

List of Publications by Year
in descending order

277	25,224	5896 81	8396 147
papers	citations	h-index	g-index

282	282	282	15568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and Chemistry of Cytochrome P450. Chemical Reviews, 2005, 105, 2253-2278.	47.7	1,771
2	The Catalytic Pathway of Cytochrome P450cam at Atomic Resolution. Science, 2000, 287, 1615-1622.	12.6	1,298
3	Measuring mechanical tension across vinculin reveals regulation of focal adhesion dynamics. Nature, 2010, 466, 263-266.	27.8	1,274
4	Mechanisms of Ligand Recognition in Myoglobin. Chemical Reviews, 1994, 94, 699-714.	47.7	766
5	Self-Assembly of Discoidal Phospholipid Bilayer Nanoparticles with Membrane Scaffold Proteins. Nano Letters, 2002, 2, 853-856.	9.1	669
6	Membrane protein assembly into Nanodiscs. FEBS Letters, 2010, 584, 1721-1727.	2.8	635
7	Coupling of spin, substrate, and redox equilibriums in cytochrome P450. Biochemistry, 1976, 15, 5399-5406.	2.5	445
8	Hydroxylation of Camphor by Reduced Oxy-Cytochrome P450cam:Â Mechanistic Implications of EPR and ENDOR Studies of Catalytic Intermediates in Native and Mutant Enzymes. Journal of the American Chemical Society, 2001, 123, 1403-1415.	13.7	442
9	Applications of Phospholipid Bilayer Nanodiscs in the Study of Membranes and Membrane Proteins. Biochemistry, 2007, 46, 2059-2069.	2.5	399
10	Nanodiscs in Membrane Biochemistry and Biophysics. Chemical Reviews, 2017, 117, 4669-4713.	47.7	396
11	Nanodiscs for structural and functional studies of membrane proteins. Nature Structural and Molecular Biology, 2016, 23, 481-486.	8.2	378
12	Transducin Activation by Nanoscale Lipid Bilayers Containing One and Two Rhodopsins. Journal of Biological Chemistry, 2007, 282, 14875-14881.	3.4	314
13	Sizing DNA Using a Nanometer-Diameter Pore. Biophysical Journal, 2004, 87, 2905-2911.	0.5	285
14	A conserved residue of cytochrome P-450 is involved in heme-oxygen stability and activation. Journal of the American Chemical Society, 1989, 111, 9252-9253.	13.7	272
15	The role of the distal histidine in myoglobin and haemoglobin. Nature, 1988, 336, 265-266.	27.8	264
16	Understanding the Role of the Essential Asp251 in Cytochrome P450cam Using Site-Directed Mutagenesis, Crystallography, and Kinetic Solvent Isotope Effect. Biochemistry, 1998, 37, 9211-9219.	2.5	243
17	Molecular recognition in cytochrome P-450: Mechanism for the control of uncoupling reactions. Biochemistry, 1993, 32, 11530-11538.	2.5	239
18	Crystal structure of the cytochrome P-450CAM active site mutant Thr252Ala. Biochemistry, 1991, 30, 11420-11429.	2.5	232

#	Article	IF	Citations
19	Recreation of the terminal events in physiological integrin activation. Journal of Cell Biology, 2010, 188, 157-173.	5.2	228
20	Self-assembly of single integral membrane proteins into soluble nanoscale phospholipid bilayers. Protein Science, 2009, 12, 2476-2481.	7.6	227
21	Kinetic Characterization of Compound I Formation in the Thermostable Cytochrome P450 CYP119. Journal of Biological Chemistry, 2002, 277, 9641-9644.	3.4	206
22	Functional reconstitution of Î²₂-adrenergic receptors utilizing self-assembling Nanodisc technology. BioTechniques, 2006, 40, 601-612.	1.8	190
23	Origin of the anomalous Soret spectra of carboxycytochrome P-450. Journal of the American Chemical Society, 1976, 98, 2672-2674.	13.7	187
24	Cooperativity in Cytochrome P450 3A4. Journal of Biological Chemistry, 2007, 282, 7066-7076.	3.4	186
25	Control of heme protein redox potential and reduction rate: linear free energy relation between potential and ferric spin state equilibrium. Journal of the American Chemical Society, 1985, 107, 5018-5019.	13.7	185
26	Nanodiscs separate chemoreceptor oligomeric states and reveal their signaling properties. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11509-11514.	7.1	181
27	Single-molecule height measurements on microsomal cytochrome P450 in nanometer-scale phospholipid bilayer disks. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6725-6730.	7.1	179
28	Biomimetic Chemical Sensors Using Nanoelectronic Readout of Olfactory Receptor Proteins. ACS Nano, 2011, 5, 5408-5416.	14.6	173
29	Homotropic cooperativity of monomeric cytochrome P450 3A4 in a nanoscale native bilayer environment. Archives of Biochemistry and Biophysics, 2004, 430, 218-228.	3.0	171
30	Monomeric Rhodopsin Is Sufficient for Normal Rhodopsin Kinase (GRK1) Phosphorylation and Arrestin-1 Binding. Journal of Biological Chemistry, 2011, 286, 1420-1428.	3.4	166
31	Catalytic mechanism of cytochrome P-450: evidence for a distal charge relay. Journal of the American Chemical Society, 1992, 114, 8742-8743.	13.7	164
32	Assembly of single bacteriorhodopsin trimers in bilayer nanodiscs. Archives of Biochemistry and Biophysics, 2006, 450, 215-222.	3.0	156
33	Regioselectivity in the cytochromes P-450: Control by protein constraints and by chemical reactivities. Archives of Biochemistry and Biophysics, 1984, 228, 493-502.	3.0	153
34	Reconstitution and Imaging of a Membrane Protein in a Nanometer-Size Phospholipid Bilayer. Journal of Structural Biology, 1998, 123, 37-44.	2.8	153
35	Thermotropic Phase Transition in Soluble Nanoscale Lipid Bilayers. Journal of Physical Chemistry B, 2005, 109, 15580-15588.	2.6	153
36	Epoxidation of Olefins by Hydroperoxoâ^'Ferric Cytochrome P450. Journal of the American Chemical Society, 2003, 125, 3406-3407.	13.7	149

#	Article	IF	Citations
37	Direct solubilization of heterologously expressed membrane proteins by incorporation into nanoscale lipid bilayers. BioTechniques, 2003, 35, 556-563.	1.8	147
38	Characterizing the Membrane-Bound State of Cytochrome P450 3A4: Structure, Depth of Insertion, and Orientation. Journal of the American Chemical Society, 2013, 135, 8542-8551.	13.7	143
39	Cytochrome P450 Compound I. Journal of the American Chemical Society, 2006, 128, 4580-4581.	13.7	140
40	EPR and ENDOR of Catalytic Intermediates in Cryoreduced Native and Mutant Oxy-Cytochromes P450cam:Â Mutation-Induced Changes in the Proton Delivery System. Journal of the American Chemical Society, 1999, 121, 10654-10655.	13.7	139
41	Nanodiscs unravel the interaction between the SecYEG channel and its cytosolic partner SecA. EMBO Journal, 2007, 26, 1995-2004.	7.8	137
42	Engineering extended membrane scaffold proteins for self-assembly of soluble nanoscale lipid bilayers. Protein Engineering, Design and Selection, 2010, 23, 843-848.	2.1	133
43	The Local Phospholipid Environment Modulates the Activation of Blood Clotting. Journal of Biological Chemistry, 2007, 282, 6556-6563.	3.4	132
44	Nanodiscs as a New Tool to Examine Lipidâ€“Protein Interactions. Methods in Molecular Biology, 2013, 974, 415-433.	0.9	129
45	Spectroscopic features of cytochrome P450 reaction intermediates. Archives of Biochemistry and Biophysics, 2011, 507, 26-35.	3.0	127
46	Photoelectrochemical complexes for solar energy conversion that chemically and autonomously regenerate. Nature Chemistry, 2010, 2, 929-936.	13.6	126
47	Metabolic switching in cyctochrome P-450cam: deuterium isotope effects on regiospecificity and the monooxygenase/oxidase ratio. Journal of the American Chemical Society, 1987, 109, 3754-3760.	13.7	123
48	Phospholipid phase transitions in homogeneous nanometer scale bilayer discs. FEBS Letters, 2004, 556, 260-264.	2.8	123
49	Solution structure of apocytochrome b562. Nature Structural and Molecular Biology, 1994, 1, 30-35.	8.2	119
50	Elliptical Structure of Phospholipid Bilayer Nanodiscs Encapsulated by Scaffold Proteins: Casting the Roles of the Lipids and the Protein. Journal of the American Chemical Society, 2010, 132, 13713-13722.	13.7	117
51	Thermophilic cytochrome P450 (CYP119) from Sulfolobus solfataricus: high resolution structure and functional properties. Journal of Inorganic Biochemistry, 2002, 91, 491-501.	3.5	116
52	Screening of Type I and II Drug Binding to Human Cytochrome P450-3A4 in Nanodiscs by Localized Surface Plasmon Resonance Spectroscopy. Analytical Chemistry, 2009, 81, 3754-3759.	6.5	116
53	Molecular Dynamics Simulations of Discoidal Bilayers Assembled from Truncated Human Lipoproteins. Biophysical Journal, 2005, 88, 548-556.	0.5	115
54	Resonance Surface Plasmon Spectroscopy:Â Low Molecular Weight Substrate Binding to Cytochrome P450. Journal of the American Chemical Society, 2006, 128, 11004-11005.	13.7	115

#	Article	IF	Citations
55	Crystal structure of myoglobin form a synthetic gene. Proteins: Structure, Function and Bioinformatics, 1990, 7, 358-365.	2.6	113
56	Cysteine-specific surface tethering of genetically engineered cytochromes for fabrication of metalloprotein nanostructures. Langmuir, 1994, 10, 153-158.	3.5	113
57	The status of high-valent metal oxo complexes in the P450 cytochromes. Journal of Inorganic Biochemistry, 2006, 100, 507-518.	3.5	113
58	Probing the Heme Iron Coordination Structure of Pressure-Induced Cytochrome P420camâ€. Biochemistry, 1996, 35, 14530-14536.	2.5	111
59	Redox Potential Control by Drug Binding to Cytochrome P450 3A4. Journal of the American Chemical Society, 2007, 129, 13778-13779.	13.7	110
60	Molecular recognition in cytochrome P-450: alteration of regioselective alkane hydroxylation via protein engineering. Journal of the American Chemical Society, 1989, 111, 2715-2717.	13.7	109
61	Connection between the Taxonomic Substates and Protonation of Histidines 64 and 97 in Carbonmonoxy Myoglobin. Biophysical Journal, 1999, 77, 1036-1051.	0.5	106
62	Molecular Recognition Mediated by Bound Water. Journal of Molecular Biology, 1993, 234, 302-306.	4.2	101
63	Cryotrapped Reaction Intermediates of Cytochrome P450 Studied by Radiolytic Reduction with Phosphorus-32. Journal of Biological Chemistry, 2001, 276, 11648-11652.	3.4	101
64	Magic-Angle Spinning Solid-State NMR Spectroscopy of Nanodisc-Embedded Human CYP3A4. Biochemistry, 2007, 46, 13696-13703.	2.5	100
65	Kinetic Solvent Isotope Effects during Oxygen Activation by Cytochrome P-450cam. Journal of the American Chemical Society, 1994, 116, 1143-1144.	13.7	99
66	Characterization of a Cytochrome P450 from the Acidothermophilic ArchaeaSulfolobus solfataricus. Biochemical and Biophysical Research Communications, 1998, 252, 166-172.	2.1	99
67	Cooperative properties of cytochromes P450. , 2009, 124, 151-167.		97
68	Native Mass Spectrometry Characterization of Intact Nanodisc Lipoprotein Complexes. Analytical Chemistry, 2012, 84, 8957-8960.	6.5	95
69	[18] Hydrostatic and osmotic pressure as tools to study macromolecular recognition. Methods in Enzymology, 1995, 259, 395-427.	1.0	93
70	Surface electrostatics, reduction potentials, and the internal dielectric constant of proteins. Journal of the American Chemical Society, 1991, 113, 9419-9421.	13.7	92
71	Resonance Raman Characterization of the Peroxo and Hydroperoxo Intermediates in Cytochrome P450. Journal of Physical Chemistry A, 2008, 112, 13172-13179.	2.5	92
72	Tyrosine Radical Formation in the Reaction of Wild Type and Mutant Cytochrome P450cam with Peroxy Acids. Journal of Biological Chemistry, 2004, 279, 10919-10930.	3.4	90

#	Article	IF	Citations
73	Deuterium isotope effects in norcamphor metabolism by cytochrome P-450cam: kinetic evidence for the two-electron reduction of a high-valent iron-oxo intermediate. Biochemistry, 1988, 27, 1610-1616.	2.5	89
74	Disassembly of Nanodiscs with Cholate. Nano Letters, 2007, 7, 1692-1696.	9.1	89
75	Modulation of the Cytochrome P450 Reductase Redox Potential by the Phospholipid Bilayer. Biochemistry, 2009, 48, 12104-12112.	2.5	89
76	Resonance Raman Investigations of Cytochrome P450camComplexed with Putidaredoxin. Journal of the American Chemical Society, 1997, 119, 6614-6620.	13.7	87
77	Kinetics of Dithionite-Dependent Reduction of Cytochrome P450 3A4:Â Heterogeneity of the Enzyme Caused by Its Oligomerizationâ€. Biochemistry, 2005, 44, 13902-13913.	2.5	87
78	Cytochromes P450 in Nanodiscs. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 223-229.	2.3	86
79	Energetics of Heme Binding to Native and Denatured States of Cytochrome b562. Biochemistry, 1997, 36, 16141-16146.	2.5	85
80	Thirty years of microbial P450 monooxygenase research: Peroxo-heme intermediatesâ€"The central bus station in heme oxygenase catalysis. Biochemical and Biophysical Research Communications, 2005, 338, 346-354.	2.1	84
81	Conformational equilibria of light-activated rhodopsin in nanodiscs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3268-E3275.	7.1	84
82	Mapping electrostatic interactions in macromolecular associations. Journal of Molecular Biology, 1991, 221, 1453-1460.	4.2	83
83	The Ferrous-Dioxygen Intermediate in Human Cytochrome P450 3A4. Journal of Biological Chemistry, 2006, 281, 23313-23318.	3.4	83
84	Structural Analysis of Nanoscale Self-Assembled Discoidal Lipid Bilayers by Solid-State NMR Spectroscopy. Biophysical Journal, 2006, 91, 3819-3828.	0.5	82
85	Film Architecture in Biomolecular Assemblies. Effect of Linker on the Orientation of Genetically Engineered Surface-Bound Proteins. Journal of the American Chemical Society, 1996, 118, 9033-9041.	13.7	81
86	Structural differences between soluble and membrane bound cytochrome P450s. Journal of Inorganic Biochemistry, 2012, 108, 150-158.	3.5	81
87	Nanodiscs: A toolkit for membrane protein science. Protein Science, 2021, 30, 297-315.	7.6	80
88	Alteration of heme axial ligands by site-directed mutagenesis: a cytochrome becomes a catalytic demethylase. Journal of the American Chemical Society, 1987, 109, 7896-7897.	13.7	77
89	Co-incorporation of heterologously expressed Arabidopsis cytochrome P450 and P450 reductase into soluble nanoscale lipid bilayers. Archives of Biochemistry and Biophysics, 2004, 424, 141-153.	3.0	76
90	Proton NMR hyperfine shift pattern as a probe for ligation state in high-spin ferric hemoproteins: water binding in metmyoglobin mutants. Journal of the American Chemical Society, 1991, 113, 7886-7892.	13.7	75

#	Article	IF	Citations
91	Engineering cytochrome P450s for bioremediation. Current Opinion in Biotechnology, 1997, 8, 274-278.	6.6	75
92	Kinetic Solvent Isotope Effect in Human P450 CYP17A1-Mediated Androgen Formation: Evidence for a Reactive Peroxoanion Intermediate. Journal of the American Chemical Society, 2013, 135, 16245-16247.	13.7	73
93	Resonance Raman and EPR Investigations of the D251N Oxycytochrome P450cam/Putidaredoxin Complexâ€. Biochemistry, 2001, 40, 6852-6859.	2.5	71
94	Investigations of Anharmonic Low-Frequency Oscillations in Heme Proteins. Journal of Physical Chemistry A, 2002, 106, 3540-3552.	2.5	71
95	Genetic engineering of surface attachment sites yields oriented protein monolayers. Journal of the American Chemical Society, 1992, 114, 9298-9299.	13.7	70
96	Nanodiscs for Immobilization of Lipid Bilayers and Membrane Receptors: Kinetic Analysis of Cholera Toxin Binding to a Glycolipid Receptor. Analytical Chemistry, 2008, 80, 6245-6252.	6.5	70
97	Application of Fragment-Based Drug Discovery to Membrane Proteins: Identification of Ligands of the Integral Membrane Enzyme DsbB. Chemistry and Biology, 2010, 17, 881-891.	6.0	70
98	Unveiling the crucial intermediates in androgen production. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15856-15861.	7.1	70
99	MECHANISTIC ENZYMOLOGY OF OXYGEN ACTIVATION BY THE CYTOCHROMES P450. Drug Metabolism Reviews, 2002, 34, 691-708.	3.6	68
100	Nanodiscs: A Controlled Bilayer Surface for the Study of Membrane Proteins. Annual Review of Biophysics, 2018, 47, 107-124.	10.0	68
101	Formation and Decay of Hydroperoxo-Ferric Heme Complex in Horseradish Peroxidase Studied by Cryoradiolysis. Journal of Biological Chemistry, 2002, 277, 42706-42710.	3.4	67
102	Intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes: rate measurements in the Marcus inverted region. Journal of the American Chemical Society, 1993, 115, 6820-6824.	13.7	66
103	Ligand Binding to Cytochrome P450 3A4 in Phospholipid Bilayer Nanodiscs. Journal of Biological Chemistry, 2007, 282, 28309-28320.	3.4	66
104	The One-electron Autoxidation of Human Cytochrome P450 3A4. Journal of Biological Chemistry, 2007, 282, 26865-26873.	3.4	65
105	Determination of the orientation of the magnetic axes of the cyano-MetMb complexes of point mutants of myoglobin by solution 1H NMR: influence of his E7 .fwdarw. Gly and Arg CD3 .fwdarw. Gly substitutions. Journal of the American Chemical Society, 1992, 114, 9048-9058.	13.7	63
106	Mutant and Wild-Type Myoglobin-CO Protein Dynamics:Â Vibrational Echo Experiments. Journal of Physical Chemistry B, 1997, 101, 1468-1475.	2.6	63
107	Resonance Raman Spectroscopic Studies of Hydroperoxo-Myoglobin at Cryogenic Temperatures. Journal of the American Chemical Society, 2003, 125, 13714-13718.	13.7	63
108	Metabolic activation of mitomycin C by liver microsomes and nuclei. Biochemical Pharmacology, 1982, 31, 2011-2016.	4.4	62

#	Article	IF	Citations
109	High-pressure investigations of cytochrome P-450 spin and substrate binding equilibria. Archives of Biochemistry and Biophysics, 1985, 240, 456-463.	3.0	61
110	The iron-histidine mode of myoglobin revisited: resonance Raman studies of isotopically labeled Escherichia coli-expressed myoglobin. Journal of the American Chemical Society, 1991, 113, 9655-9660.	13.7	61
111	Identification of the Feâ^'Oâ^'O Bending Mode in Oxycytochrome P450cam by Resonance Raman Spectroscopy. Journal of the American Chemical Society, 1999, 121, 376-380.	13.7	60
112	Alteration of P450 Distal Pocket Solvent Leads to Impaired Proton Delivery and Changes in Heme Geometry. Biochemistry, 2007, 46, 14129-14140.	2.5	60
113	Resonance Raman Detection of the Hydroperoxo Intermediate in the Cytochrome P450 Enzymatic Cycle. Journal of the American Chemical Society, 2007, 129, 6382-6383.	13.7	60
114	Assembly of Lipids and Proteins into Lipoprotein Particles. Journal of Physical Chemistry B, 2007, 111, 11095-11104.	2.6	60
115	Active site proton delivery and the lyase activity of human CYP17A1. Biochemical and Biophysical Research Communications, 2014, 443, 179-184.	2.1	60
116	Demethylation of N,N-dimethylaniline and p-cyano-N,N-dimethylaniline and their N-oxides by cytochromes P450LM2 and P450CAM. Journal of the American Chemical Society, 1984, 106, 1514-1515.	13.7	59
117	X-ray absorption spectroscopic characterization of a cytochrome P450 compound II derivative. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8179-8184.	7.1	59
118	Mechanism of Drugâ€“Drug Interactions Mediated by Human Cytochrome P450 CYP3A4 Monomer. Biochemistry, 2015, 54, 2227-2239.	2.5	58
119	Putidaredoxin reduction of cytochrome P-450cam: dependence of electron transfer on the identity of putidaredoxin's C-terminal amino acid. Journal of the American Chemical Society, 1990, 112, 7396-7398.	13.7	57
120	Resonance Localized Surface Plasmon Spectroscopy: Sensing Substrate and Inhibitor Binding to Cytochrome P450. Journal of Physical Chemistry C, 2008, 112, 13084-13088.	3.1	57
121	The critical ironâ€“oxygen intermediate in human aromatase. Biochemical and Biophysical Research Communications, 2009, 387, 169-173.	2.1	57
122	Oxidase uncoupling in heme monooxygenases: Human cytochrome P450 CYP3A4 in Nanodiscs. Biochemical and Biophysical Research Communications, 2013, 430, 1223-1227.	2.1	56
123	Nanodisc-solubilized membrane protein library reflects the membrane proteome. Analytical and Bioanalytical Chemistry, 2013, 405, 4009-4016.	3.7	56
124	Functional Assays of Membraneâ€Bound Proteins with SAMDIâ€TOF Mass Spectrometry. Angewandte Chemie - International Edition, 2007, 46, 8796-8798.	13.8	55
125	Cloning and expression of the gene encoding the soluble cytochrome b562 of Escherichia coli. FEBS Journal, 1991, 202, 309-313.	0.2	54
126	Complex Formation of Cytochrome P450cam with Putidaredoxin. Journal of Biological Chemistry, 2002, 277, 2547-2553.	3.4	54

#	Article	IF	Citations
127	A novel type of allosteric regulation: Functional cooperativity in monomeric proteins. Archives of Biochemistry and Biophysics, 2012, 519, 91-102.	3.0	54
128	Differential Hydrogen Bonding in Human CYP17 Dictates Hydroxylation versus Lyase Chemistry. Angewandte Chemie - International Edition, 2013, 52, 5342-5345.	13.8	54
129	Characterization of the oxygenated intermediate of the thermophilic cytochrome P450 CYP119. Journal of Inorganic Biochemistry, 2001, 87, 215-226.	3.5	51
130	Stereoselective Hydroxylation of Norcamphor by Cytochrome P450cam. Journal of Biological Chemistry, 1995, 270, 5326-5330.	3.4	50
131	Oxygen Activation by Cytochrome P450BM-3: Effects of Mutating an Active Site Acidic Residue. Archives of Biochemistry and Biophysics, 1997, 337, 209-216.	3.0	50
132	1H and 15N resonance assignments and secondary structure of the carbon monoxide complex of sperm whale myoglobin. Journal of Biomolecular NMR, 1994, 4, 491-504.	2.8	49
133	Resonance Raman Spectroscopy of the Oxygenated Intermediates of Human CYP19A1 Implicates a Compound I Intermediate in the Final Lyase Step. Journal of the American Chemical Society, 2014, 136, 4825-4828.	13.7	49
134	Electron transfer from cytochromeb 5 to cytochromec. Journal of Bioenergetics and Biomembranes, 1995, 27, 331-340.	2.3	48
135	Defining CYP3A4 Structural Responses to Substrate Binding. Raman Spectroscopic Studies of a Nanodisc-Incorporated Mammalian Cytochrome P450. Journal of the American Chemical Society, 2011, 133, 1357-1366.	13.7	48
136	Interpretation and Deconvolution of Nanodisc Native Mass Spectra. Journal of the American Society for Mass Spectrometry, 2014, 25, 269-277.	2.8	48
137	Electrostatic stabilization in fourâ€helix bundle proteins. Protein Science, 1993, 2, 826-837.	7.6	47
138	Electron transfer in the complex of membrane-bound human cytochrome P450 3A4 with the flavin domain of P450BM-3: The effect of oligomerization of the heme protein and intermittent modulation of the spin equilibrium. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 378-390.	1.0	47
139	Glimpsing the Critical Intermediate in Cytochrome P450 Oxidations. Science, 2010, 330, 924-925.	12.6	47
140	Small-angle scattering determination of the shape and localization of human cytochrome P450 embedded in a phospholipid nanodisc environment. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 2412-2421.	2.5	47
141	Interaction of KRas4b with anionic membranes: A special role for PIP 2. Biochemical and Biophysical Research Communications, 2017, 487, 351-355.	2.1	47
142	Chemotherapeutic attack of hypoxic tumor cells by the bioreductive alkylating agent mitomycin C. Advances in Enzyme Regulation, 1985, 23, 291-307.	2.6	46
143	Maturation of high-density lipoproteins. Journal of the Royal Society Interface, 2009, 6, 863-871.	3.4	46
144	Multiple mechanisms of cytochrome P450-catalyzed substrate hydroxylations. Biochemical and Biophysical Research Communications, 1981, 99, 530-535.	2.1	45

#	Article	IF	Citations
145	Resonance Raman Studies of Cytochrome P450bm3and Its Complexes with Exogenous Ligandsâ€. Biochemistry, 1999, 38, 13699-13706.	2.5	45
146	Hydrogen-Bonding Interactions in the Active Sites of Cytochrome P450cam and Its Site-Directed Mutants. Journal of the American Chemical Society, 2001, 123, 269-278.	13.7	44
147	Tyrosine motions in relation to the ferric spin equilibrium of cytochrome P-450cam. Biochemistry, 1985, 24, 6696-6701.	2.5	43
148	Understanding thermostability in cytochrome P450 by combinatorial mutagenesis. Protein Science, 2001, 10, 161-168.	7.6	43
149	Two copies of the SecY channel and acidic lipids are necessary to activate the SecA translocation ATPase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4104-4109.	7.1	43
150	Engineering protein orientation at surfaces to control macromolecular recognition events. Analytical Chemistry, 1993, 65, 2676-2678.	6.5	42
151	Interfacing Lipid Bilayer Nanodiscs and Silicon Photonic Sensor Arrays for Multiplexed Proteinâ€“Lipid and Proteinâ€“Membrane Protein Interaction Screening. Analytical Chemistry, 2013, 85, 2970-2976.	6.5	42
152	Engineering cytochrome P-450cam to increase the stereospecificity and coupling of aliphatic hydroxylation. Protein Engineering, Design and Selection, 1993, 6, 207-212.	2.1	41
153	Kinetic solvent isotope effect in steadyâ€state turnover by CYP19A1 suggests involvement of Compound 1 for both hydroxylation and aromatization steps. FEBS Letters, 2014, 588, 3117-3122.	2.8	41
154	The CO Stretching Mode Infrared Spectrum of Substrate-Free Cytochrome P -450cam-CO. The Effect of Solvent Conditions, Temperature, and Pressure. FEBS Journal, 1996, 235, 660-669.	0.2	39
155	Control and recognition of anionic ligands in myoglobin. FEBS Letters, 1991, 282, 281-284.	2.8	38
156	Protein electrochemistry at high pressure. Journal of the American Chemical Society, 1992, 114, 9660-9661.	13.7	38
157	Single Molecule Height Measurements on a Membrane Protein in Nanometer-Scale Phospholipid Bilayer Disks. Langmuir, 2000, 16, 5993-5997.	3.5	38
158	Functional reconstitution of monomeric CYP3A4 with multiple cytochrome P450 reductase molecules in Nanodiscs. Biochemical and Biophysical Research Communications, 2010, 398, 194-198.	2.1	38
159	Blood clotting reactions on nanoscale phospholipid bilayers. Thrombosis Research, 2008, 122, S23-S26.	1.7	37
160	Optical determination of surface density in oriented metalloprotein nanostructures. Analytical Chemistry, 1993, 65, 1635-1638.	6.5	35
161	Cytochrome P450 and Aromatic Bases: A 1H NMR Study. Journal of the American Chemical Society, 1994, 116, 4866-4873.	13.7	35
162	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. Cell Chemical Biology, 2017, 24, 1259-1275.e6.	5.2	35

#	Article	IF	Citations
163	Human Cytochrome CYP17A1: The Structural Basis for Compromised Lyase Activity with 17-Hydroxyprogesterone. Journal of the American Chemical Society, 2018, 140, 7324-7331.	13.7	35
164	ENDOR Determination of Heme Ligation in Chloroperoxidase and Comparison with Cytochrome P-450Cam. Journal of the American Chemical Society, 1994, 116, 5989-5990.	13.7	34
165	Electron Transfer between Cytochrome P450cin and Its FMN-containing Redox Partner, Cindoxin. Journal of Biological Chemistry, 2007, 282, 27006-27011.	3.4	34
166	Cryogenic absorption spectra of hydroperoxo-ferric heme oxygenase, the active intermediate of enzymatic heme oxygenation. FEBS Letters, 2002, 532, 203-206.	2.8	33
167	[3] Mutagenesis of cytochromes P450cam and b5. Methods in Enzymology, 1991, 206, 31-49.	1.0	32
168	Analysis of Heterotropic Cooperativity in Cytochrome P450 3A4 Using Î±-Naphthoflavone and Testosterone. Journal of Biological Chemistry, 2011, 286, 5540-5545.	3.4	32
169	Constitutively active rhodopsin mutants causing night blindness are effectively phosphorylated by GRKs but differ in arrestin-1 binding. Cellular Signalling, 2013, 25, 2155-2162.	3.6	32
170	Purification and Characterization of Microsomal Cytochrome b5 and NADH Cytochrome b5 Reductase from Pisum sativum. Plant Physiology, 1987, 85, 457-462.	4.8	31
171	Investigations of the resonance Raman excitation profiles of cytochromeP450cam. Journal of Chemical Physics, 1987, 87, 4273-4284.	3.0	31
172	PHOTOCLEAVAGE OF DNA: IRRADIATION OF QUINONE-CONTAINING REAGENTS CONVERTS SUPERCOILED TO LINEAR DNA. Photochemistry and Photobiology, 1993, 58, 554-558.	2.5	31
173	Surface-Linked Molecular Monolayers of an Engineered Myoglobin:Â Structure, Stability, and Function. Langmuir, 1996, 12, 1278-1283.	3.5	31
174	The ferric-hydroperoxo complex of chloroperoxidase. Biochemical and Biophysical Research Communications, 2007, 363, 954-958.	2.1	31
175	The ferrous-oxy complex of human aromatase. Biochemical and Biophysical Research Communications, 2008, 372, 379-382.	2.1	31
176	Microfluidic patterning of nanodisc lipid bilayers and multiplexed analysis of protein interaction. Lab on A Chip, 2008, 8, 1723.	6.0	31
177	Exploring the Electron Transfer Properties of Neuronal Nitric-oxide Synthase by Reversal of the FMN Redox Potential. Journal of Biological Chemistry, 2008, 283, 34762-34772.	3.4	31
178	Mechanism of Chromophore Assisted Laser Inactivation Employing Fluorescent Proteins. Analytical Chemistry, 2009, 81, 1755-1761.	6.5	31
179	Ultra-thin layer MALDI mass spectrometry of membrane proteins in nanodiscs. Analytical and Bioanalytical Chemistry, 2012, 402, 721-729.	3.7	31
180	Cytochrome P450cam catalyzed epoxidation of dehydrocamphor. Biochemical and Biophysical Research Communications, 1982, 104, 853-858.	2.1	30

#	Article	IF	Citations
181	Heme-pocket-hydration change during the inactivation of cytochrome P-450camphor by hydrostatic pressure. FEBS Journal, 1992, 209, 583-588.	0.2	30
182	Controlling the regiospecificity and coupling of cytochrome P450cam: T185F mutant increases coupling and abolishes 3â€hydroxynorcamphor product. Protein Science, 1993, 2, 357-365.	7.6	30
183	Finding a single-molecule solution for membrane proteins. Biochemical and Biophysical Research Communications, 2003, 312, 115-119.	2.1	30
184	Lipidâ˜Protein Correlations in Nanoscale Phospholipid Bilayers Determined by Solid-State Nuclear Magnetic Resonance. Biochemistry, 2010, 49, 9190-9198.	2.5	30
185	Phosphatidylinositol 4,5-Bisphosphate Modulates the Affinity of Talin-1 for Phospholipid Bilayers and Activates Its Autoinhibited Form. Biochemistry, 2016, 55, 5038-5048.	2.5	30
186	Evidence that cytochrome b5 acts as a redox donor in CYP17A1 mediated androgen synthesis. Biochemical and Biophysical Research Communications, 2016, 477, 202-208.	2.1	30
187	PIP2 Influences the Conformational Dynamics of Membrane-Bound KRAS4b. Biochemistry, 2019, 58, 3537-3545.	2.5	30
188	A critical role of protein-bound water in the catalytic cycle of cytochrome P-450 camphor. FEBS Letters, 1992, 312, 252-254.	2.8	29
189	Cryoradiolysis for the study of P450 reaction intermediates. Methods in Enzymology, 2002, 357, 103-115.	1.0	29
190	Molecular Models Need to be Tested: The Case of a Solar Flares Discoidal HDL Model. Biophysical Journal, 2008, 94, L87-L89.	0.5	29
191	The Charge Properties of Phospholipid Nanodiscs. Biophysical Journal, 2016, 111, 989-998.	0.5	29
192	Nature's universal oxygenases: the cytochromes P450. Essays in Biochemistry, 1999, 34, 71-83.	4.7	29
193	Cytochrome P-450 reduction exhibits burst kinetics. Biochemical and Biophysical Research Communications, 1980, 97, 860-867.	2.1	28
194	Relationship between heme binding site structure and heme orientations of two ferrocytochrome b5s. A study in prosthetic group recognition. Journal of the American Chemical Society, 1990, 112, 5258-5263.	13.7	28
195	Nanodiscs as a therapeutic delivery agent: inhibition of respiratory syncytial virus infection in the lung. International Journal of Nanomedicine, 2013, 8, 1417.	6.7	28
196	Nanoscale Synaptic Membrane Mimetic Allows Unbiased High Throughput Screen That Targets Binding Sites for Alzheimerâ€™s-Associated AÎ² Oligomers. PLoS ONE, 2015, 10, e0125263.	2.5	28
197	Identification of 2Fe-2S cysteine ligands in putidaredoxin. Biochemical and Biophysical Research Communications, 1990, 169, 1016-1020.	2.1	27
198	Tetrameric Hemoglobin Expressed in Escherichia coli. Journal of Biological Chemistry, 1995, 270, 26257-26264.	3.4	27

#	Article	IF	Citations
199	The use of isomeric testosterone dimers to explore allosteric effects in substrate binding to cytochrome P450 CYP3A4. Journal of Inorganic Biochemistry, 2016, 158, 77-85.	3.5	27
200	Effect of the tyrosine 96 hydrogen bond on the inactivation of cytochrome P-450cam induced by hydrostatic pressure. FEBS Journal, 1990, 193, 383-386.	0.2	26
201	Effect of binding cytochrome c and ionic strength on the reorganizational energy and intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes. Journal of the American Chemical Society, 1994, 116, 7356-7362.	13.7	26
202	Macromolecular Hydration Changes Associated with BamHI Binding and Catalysis. Journal of Biological Chemistry, 2000, 275, 30561-30565.	3.4	26
203	The influence of substrate on the spectral properties of oxyferrous wild-type and T252A cytochrome P450-CAM. Archives of Biochemistry and Biophysics, 2005, 436, 40-49.	3.0	26
204	A retinoic acid binding cytochrome P450: CYP120A1 from Synechocystis sp. PCC 6803. Archives of Biochemistry and Biophysics, 2005, 436, 110-120.	3.0	26
205	Investigation of the Low Frequency Dynamics of Heme Proteins: Native and Mutant Cytochrome P450_{cam} and Redox Partner Complexes. Journal of Physical Chemistry B, 2011, 115, 5665-5677.	2.6	26
206	Allosteric Interactions in Human Cytochrome P450 CYP3A4: The Role of Phenylalanine 213. Biochemistry, 2019, 58, 1411-1422.	2.5	26
207	The acidic molten globule state of .alpha.-lactalbumin probed by sound velocity. Journal of the American Chemical Society, 1993, 115, 9879-9882.	13.7	25
208	Revelation of ternary complexes between redox partners in cytochrome P450-containing monooxygenase systems by the optical biosensor method. Journal of Inorganic Biochemistry, 2001, 87, 175-184.	3.5	25
209	Membrane Topology of Cytochrome P450 2B4 in Langmuirâ€“Blodgett Monolayers. Archives of Biochemistry and Biophysics, 1998, 359, 82-88.	3.0	24
210	Mixing apples and oranges: Analysis of heterotropic cooperativity in cytochrome P450 3A4. Archives of Biochemistry and Biophysics, 2009, 488, 146-152.	3.0	24
211	Drugâ€“Drug Interactions between Atorvastatin and Dronedarone Mediated by Monomeric CYP3A4. Biochemistry, 2018, 57, 805-816.	2.5	24
212	Nanomechanical detection of cholera toxin using microcantilevers functionalized with ganglioside nanodiscs. Nanotechnology, 2010, 21, 435502.	2.6	23
213	Influence of Transmembrane Helix Mutations on Cytochrome P450-Membrane Interactions and Function. Biophysical Journal, 2019, 116, 419-432.	0.5	23
214	Alzheimer's Toxic Amyloid Beta Oligomers: Unwelcome Visitors to the Na/K ATPase alpha3 Docking Station. Yale Journal of Biology and Medicine, 2017, 90, 45-61.	0.2	23
215	Oxidative cleavage of 1-phenyl-1,2-ethanediol by 4-cyano-N,N-dimethylaniline N-oxide and chloro(5,10,15,20-tetraphenylporphinato)chromium(III): a model for cholesterol side-chain cleavage by cytochrome P-450SCC. Journal of the American Chemical Society, 1985, 107, 2186-2187.	13.7	22
216	Molecular Recognition in the P450cam Monooxygenase System: Direct Monitoring of Proteinâ€“Protein Interactions by Using Optical Biosensor. Archives of Biochemistry and Biophysics, 2001, 391, 255-264.	3.0	22

#	Article	IF	Citations
217	Intersubunit circular permutation of human hemoglobin. Blood, 2002, 100, 299-305.	1.4	22
218	Tissue Factor/Factor VIIa Complex: Role of the Membrane Surface. Thrombosis Research, 2012, 129, S8-S10.	1.7	22
219	Activation of Molecular Oxygen in Cytochromes P450. , 2015, , 69-109.		22
220	Nanodiscs as a Modular Platform for Multimodal MR-Optical Imaging. Bioconjugate Chemistry, 2015, 26, 899-905.	3.6	22
221	Crystallization and preliminary X-ray diffraction analysis of a cytochrome P450 (CYP119) fromSulfolobus solfataricus. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1173-1175.	2.5	21
222	Understanding Cooperativity in Human P450 Mediated Drug-Drug Interactions. Drug Metabolism Reviews, 2007, 39, 567-579.	3.6	21
223	Reconstitution of respiratory oxidases in membrane nanodiscs for investigation of protonâ€coupled electron transfer. FEBS Letters, 2012, 586, 640-645.	2.8	21
224	Resonance Raman Spectroscopy Reveals That Substrate Structure Selectively Impacts the Heme-Bound Diatomic Ligands of CYP17. Biochemistry, 2014, 53, 90-100.	2.5	21
225	Conformational equilibrium of talin is regulated by anionic lipids. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1833-1840.	2.6	21
226	Intramolecular electron-transfer reactions of cytochrome b5 covalently bonded to ruthenium(II) polypyridine complexes: reorganizational energy and pressure effects. Inorganica Chimica Acta, 1996, 243, 193-200.	2.4	20
227	A differential scanning calorimetric study of the thermal unfolding of apoâ€•and holoâ€cytochrome b₅₆₂. Protein Science, 1998, 7, 961-965.	7.6	20
228	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. Angewandte Chemie - International Edition, 2016, 55, 2688-2692.	13.8	20
229	Midazolam as a Probe for Drugâ€“Drug Interactions Mediated by CYP3A4: Homotropic Allosteric Mechanism of Site-Specific Hydroxylation. Biochemistry, 2021, 60, 1670-1681.	2.5	20
230	Heme Monooxygenases. Catalysis By Metal Complexes, 1997, , 195-221.	0.6	20
231	Dissecting the Molecular Origins of Specific Protein-Nucleic Acid Recognition: Hydrostatic Pressure and Molecular Dynamics. Biophysical Journal, 2002, 82, 93-98.	0.5	19
232	Measurements of CO Geminate Recombination in Cytochromes P450 and P420. Journal of Biological Chemistry, 1995, 270, 8673-8679.	3.4	18
233	Nanopatterning Phospholipid Bilayers. Langmuir, 2000, 16, 3927-3931.	3.5	17
234	Temperature-jump measurement of the spin state relaxation rate of cytochrome P450cam. FEBS Letters, 1981, 133, 252-254.	2.8	16

#	Article	IF	Citations
235	Electron Transfer between Cytochrome B⁵ Surface Mutants and Cytochrome C. Molecular Crystals and Liquid Crystals, 1991, 194, 311-316.	0.7	16
236	Nonlinear Analyte Concentration Gradients for One-Step Kinetic Analysis Employing Optical Microring Resonators. Analytical Chemistry, 2012, 84, 5556-5564.	6.5	16
237	Cytochrome b₅ enhances androgen synthesis by rapidly reducing the <scp>CYP</scp>17A1 oxyâ€complex in the lyase step. FEBS Letters, 2018, 592, 2282-2288.	2.8	16
238	Antibody Targeted PET Imaging of ⁶⁴Cu-DOTA-Anti-CEA PEGylated Lipid Nanodiscs in CEA Positive Tumors. Bioconjugate Chemistry, 2020, 31, 743-753.	3.6	16
239	Analyte Gradient-Surface Plasmon Resonance:Â A One-Step Method for Determining Kinetic Rates and Macromolecular Binding Affinities. Analytical Chemistry, 2000, 72, 4212-4220.	6.5	15
240	Anomalous transitions of DODAB using fast scanning liquid calorimetry. Thermochimica Acta, 2011, 522, 72-76.	2.7	15
241	Assembly of an Activated Rhodopsinâ€“Transducin Complex in Nanoscale Lipid Bilayers. Biochemistry, 2014, 53, 127-134.	2.5	14
242	Product Formation from Ferrous Oxy-Cytochrome P-450. Biochemical Society Transactions, 1975, 3, 821-825.	3.4	13
243	Development of broad-host-range vectors for expression of cloned genes in Pseudomonas. Gene, 1985, 38, 73-84.	2.2	13
244	Nanodiscs as a New Tool to Examine Lipidâ€“Protein Interactions. Methods in Molecular Biology, 2019, 2003, 645-671.	0.9	12
245	Microfluidic platform for efficient Nanodisc assembly, membrane protein incorporation, and purification. Lab on A Chip, 2017, 17, 2951-2959.	6.0	11
246	Biotransformation of the Mycotoxin Enniatin B1 by CYP P450 3A4 and Potential for Drug-Drug Interactions. Metabolites, 2019, 9, 158.	2.9	11
247	Femtosecond coherence spectroscopy of heme proteins. Biospectroscopy, 1996, 2, 301-309.	0.6	9
248	Temperature Derivative Spectroscopy To Monitor the Autoxidation Decay of Cytochromes P450. Analytical Chemistry, 2011, 83, 5394-5399.	6.5	9
249	Midazolam as a Probe for Heterotropic Drug-Drug Interactions Mediated by CYP3A4. Biomolecules, 2022, 12, 853.	4.0	9
250	[15] Photoacoustic calorimetry of proteins. Methods in Enzymology, 1998, 295, 316-330.	1.0	8
251	Chapter 11 Molecular Modeling of the Structural Properties and Formation of High-Density Lipoprotein Particles. Current Topics in Membranes, 2008, 60, 313-342.	0.9	8
252	Human P450 CYP17A1: Control of Substrate Preference by Asparagine 202. Biochemistry, 2018, 57, 764-771.	2.5	8

#	Article	IF	Citations
253	P450 CYP17A1 Variant with a Disordered Proton Shuttle Assembly Retains Peroxoâ€Mediated Lyase Efficiency. Chemistry - A European Journal, 2020, 26, 16846-16852.	3.3	8
254	Substrate-Specific Allosteric Effects on the Enhancement of CYP17A1 Lyase Efficiency by Cytochrome b₅. Journal of the American Chemical Society, 2021, 143, 3729-3733.	13.7	8
255	Protein engineering for molecular electronics. Current Opinion in Biotechnology, 1992, 3, 388-393.	6.6	6
256	Molecular Orientation Determination in Nanodiscs at the Single-Molecule Level. Analytical Chemistry, 2020, 92, 2229-2236.	6.5	6
257	Dark, Ultra-Dark and Ultra-Bright Nanodiscs for membrane protein investigations. Analytical Biochemistry, 2020, 607, 113860.	2.4	6
258	Purified cytochrome P-450: spin-state control of the haemoprotein redox potential. Biochemical Society Transactions, 1980, 8, 101-102.	3.4	5
259	NMR analysis of free and lipid nanodisc anchored CEACAM1 membrane proximal peptides with Ca2+/CaM. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 787-797.	2.6	5
260	The hydrodynamic motion of Nanodiscs. Chemistry and Physics of Lipids, 2019, 220, 28-35.	3.2	5
261	The Effect of Microsomal Lipids on the Spin State of Purified De-lipidated Cytochrome P-450. Biochemical Society Transactions, 1979, 7, 1289-1290.	3.4	4
262	Metal Binding Colloidal Gold Particles:Â A Versatile Scanning Force Microscope Tip Calibrator for Fluid Imaging. Langmuir, 1999, 15, 3086-3090.	3.5	4
263	Nanodisc self-assembly is thermodynamically reversible and controllable. Soft Matter, 2020, 16, 5615-5623.	2.7	4
264	Mechanism of the Clinically Relevant E305G Mutation in Human P450 CYP17A1. Biochemistry, 2021, 60, 3262-3271.	2.5	4
265	Importance of Asparagine 202 in Manipulating Active Site Structure and Substrate Preference for Human CYP17A1. Biochemistry, 2022, 61, 583-594.	2.5	4
266	Membrane-Bound Ras as a Conformational Clock. Biophysical Journal, 2020, 118, 991-993.	0.5	3
267	A thermoelectric cuvette cooler for optical studies in cryobiochemistry. Cryobiology, 1979, 16, 506-508.	0.7	2
268	The long and the short of it. Nature Chemistry, 2015, 7, 687-688.	13.6	2
269	Heme and oxygen: intermediates on the pathway to substrate oxygenation. International Congress Series, 2002, 1233, 79-88.	0.2	1
270	SMPL Synaptic Membranes: Nanodisc-Mediated Synaptic Membrane Mimetics Expand the Toolkit for Drug Discovery and the Molecular Cell Biology of Synapses. Neuromethods, 2018, , 227-250.	0.3	1

#	Article	IF	Citations
271	XAS Study of the Heme Iron Coordination in HIS64(E7)TYR Synthetic Sperm Whale Myoglobin. Japanese Journal of Applied Physics, 1993, 32, 544.	1.5	1
272	Redox thermodynamics in metallo - protein systems.. Journal of Inorganic Biochemistry, 1993, 51, 13.	3.5	0
273	Resonance Raman Studies On Mammalian Cytochromes P450. , 2010, , .		0
274	In Memoriam of Bill Peterson. Biotechnology and Applied Biochemistry, 2013, 60, 2-3.	3.1	0
275	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. Angewandte Chemie, 2016, 128, 2738-2742.	2.0	0
276	A Pathfinder in High-Pressure Bioscience: In Memoriam of Gaston Hui Bon Hoa. Biology, 2021, 10, 778.	2.8	0
277	Homotropic and heterotropic cooperativity of CYP3A4 and drugâ€drug interactions. FASEB Journal, 2008, 22, 919.6.	0.5	0