

Stephen G Sligar

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272
papers

22,111
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78
h-index

139
g-index

282
ext. papers

23,815
ext. citations

7.9
avg, IF

6.95
L-index

#	Paper	IF	Citations
272	Structure and chemistry of cytochrome P450. <i>Chemical Reviews</i> , 2005 , 105, 2253-77	68.1	1535
271	The catalytic pathway of cytochrome p450cam at atomic resolution. <i>Science</i> , 2000 , 287, 1615-22	33.3	1164
270	Measuring mechanical tension across vinculin reveals regulation of focal adhesion dynamics. <i>Nature</i> , 2010 , 466, 263-6	50.4	1031
269	Mechanisms of Ligand Recognition in Myoglobin. <i>Chemical Reviews</i> , 1994 , 94, 699-714	68.1	714
268	Self-Assembly of Discoidal Phospholipid Bilayer Nanoparticles with Membrane Scaffold Proteins. <i>Nano Letters</i> , 2002 , 2, 853-856	11.5	555
267	Membrane protein assembly into Nanodiscs. <i>FEBS Letters</i> , 2010 , 584, 1721-7	3.8	553
266	Hydroxylation of camphor by reduced oxy-cytochrome P450cam: mechanistic implications of EPR and ENDOR studies of catalytic intermediates in native and mutant enzymes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1403-15	16.4	406
265	Coupling of spin, substrate, and redox equilibria in cytochrome P450. <i>Biochemistry</i> , 1976 , 15, 5399-406	3.2	405
264	Applications of phospholipid bilayer nanodiscs in the study of membranes and membrane proteins. <i>Biochemistry</i> , 2007 , 46, 2059-69	3.2	358
263	Transducin activation by nanoscale lipid bilayers containing one and two rhodopsins. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14875-81	5.4	295
262	Nanodiscs in Membrane Biochemistry and Biophysics. <i>Chemical Reviews</i> , 2017 , 117, 4669-4713	68.1	288
261	Sizing DNA using a nanometer-diameter pore. <i>Biophysical Journal</i> , 2004 , 87, 2905-11	2.9	255
260	Nanodiscs for structural and functional studies of membrane proteins. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 481-6	17.6	252
259	A conserved residue of cytochrome P-450 is involved in heme-oxygen stability and activation. <i>Journal of the American Chemical Society</i> , 1989 , 111, 9252-9253	16.4	245
258	The role of the distal histidine in myoglobin and haemoglobin. <i>Nature</i> , 1988 , 336, 265-6	50.4	236
257	Understanding the role of the essential Asp251 in cytochrome p450cam using site-directed mutagenesis, crystallography, and kinetic solvent isotope effect. <i>Biochemistry</i> , 1998 , 37, 9211-9	3.2	218
256	Molecular recognition in cytochrome P-450: mechanism for the control of uncoupling reactions. <i>Biochemistry</i> , 1993 , 32, 11530-8	3.2	213

255	Crystal structure of the cytochrome P-450CAM active site mutant Thr252Ala. <i>Biochemistry</i> , 1991 , 30, 11420-9	3.2	209
254	Recreation of the terminal events in physiological integrin activation. <i>Journal of Cell Biology</i> , 2010 , 188, 157-73	7.3	208
253	Self-assembly of single integral membrane proteins into soluble nanoscale phospholipid bilayers. <i>Protein Science</i> , 2003 , 12, 2476-81	6.3	207
252	Kinetic characterization of compound I formation in the thermostable cytochrome P450 CYP119. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9641-4	5.4	187
251	Functional reconstitution of Beta2-adrenergic receptors utilizing self-assembling Nanodisc technology. <i>BioTechniques</i> , 2006 , 40, 601-2, 604, 606, passim	2.5	177
250	Nanodiscs separate chemoreceptor oligomeric states and reveal their signaling properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11509-14	11.5	170
249	Letter: Origin of the anomalous Soret spectra of carboxycytochrome P-450. <i>Journal of the American Chemical Society</i> , 1976 , 98, 2672-4	16.4	170
248	Single-molecule height measurements on microsomal cytochrome P450 in nanometer-scale phospholipid bilayer disks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 6725-30	11.5	165
247	Control of heme protein redox potential and reduction rate: linear free energy relation between potential and ferric spin state equilibrium. <i>Journal of the American Chemical Society</i> , 1985 , 107, 5018-5019	16.4	164
246	Cooperativity in cytochrome P450 3A4: linkages in substrate binding, spin state, uncoupling, and product formation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7066-76	5.4	162
245	Homotropic cooperativity of monomeric cytochrome P450 3A4 in a nanoscale native bilayer environment. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 430, 218-28	4.1	158
244	Biomimetic chemical sensors using nanoelectronic readout of olfactory receptor proteins. <i>ACS Nano</i> , 2011 , 5, 5408-16	16.7	157
243	Monomeric rhodopsin is sufficient for normal rhodopsin kinase (GRK1) phosphorylation and arrestin-1 binding. <i>Journal of Biological Chemistry</i> , 2011 , 286, 1420-8	5.4	157
242	Catalytic mechanism of cytochrome P-450: evidence for a distal charge relay. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8742-8743	16.4	147
241	Regioselectivity in the cytochromes P-450: control by protein constraints and by chemical reactivities. <i>Archives of Biochemistry and Biophysics</i> , 1984 , 228, 493-502	4.1	142
240	Assembly of single bacteriorhodopsin trimers in bilayer nanodiscs. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 450, 215-22	4.1	141
239	Thermotropic phase transition in soluble nanoscale lipid bilayers. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15580-8	3.4	137
238	Direct solubilization of heterologously expressed membrane proteins by incorporation into nanoscale lipid bilayers. <i>BioTechniques</i> , 2003 , 35, 556-60, 562-3	2.5	136

237	Reconstitution and imaging of a membrane protein in a nanometer-size phospholipid bilayer. <i>Journal of Structural Biology</i> , 1998 , 123, 37-44	3.4	135
236	Epoxidation of olefins by hydroperoxo-ferric cytochrome P450. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3406-7	16.4	132
235	Cytochrome p450 compound I. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4580-1	16.4	128
234	EPR and ENDOR of Catalytic Intermediates in Cryoreduced Native and Mutant Oxy-Cytochromes P450cam: Mutation-Induced Changes in the Proton Delivery System. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10654-10655	16.4	127
233	Nanodiscs unravel the interaction between the SecYEG channel and its cytosolic partner SecA. <i>EMBO Journal</i> , 2007 , 26, 1995-2004	13	126
232	Photoelectrochemical complexes for solar energy conversion that chemically and autonomously regenerate. <i>Nature Chemistry</i> , 2010 , 2, 929-936	17.6	120
231	The local phospholipid environment modulates the activation of blood clotting. <i>Journal of Biological Chemistry</i> , 2007 , 282, 6556-63	5.4	117
230	Characterizing the membrane-bound state of cytochrome P450 3A4: structure, depth of insertion, and orientation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8542-51	16.4	115
229	Phospholipid phase transitions in homogeneous nanometer scale bilayer discs. <i>FEBS Letters</i> , 2004 , 556, 260-4	3.8	115
228	Metabolic switching in cytochrome P-450cam: deuterium isotope effects on regiospecificity and the monooxygenase/oxidase ratio. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3754-3760	16.4	110
227	The status of high-valent metal oxo complexes in the P450 cytochromes. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 507-18	4.2	109
226	Solution structure of apocytochrome b562. <i>Nature Structural and Molecular Biology</i> , 1994 , 1, 30-5	17.6	109
225	Nanodiscs as a new tool to examine lipid-protein interactions. <i>Methods in Molecular Biology</i> , 2013 , 974, 415-33	1.4	108
224	Screening of type I and II drug binding to human cytochrome P450-3A4 in nanodiscs by localized surface plasmon resonance spectroscopy. <i>Analytical Chemistry</i> , 2009 , 81, 3754-9	7.8	107
223	Molecular dynamics simulations of discoidal bilayers assembled from truncated human lipoproteins. <i>Biophysical Journal</i> , 2005 , 88, 548-56	2.9	106
222	Thermophilic cytochrome P450 (CYP119) from <i>Sulfolobus solfataricus</i> : high resolution structure and functional properties. <i>Journal of Inorganic Biochemistry</i> , 2002 , 91, 491-501	4.2	105
221	Redox potential control by drug binding to cytochrome P450 3A4. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13778-9	16.4	104
220	Resonance surface plasmon spectroscopy: low molecular weight substrate binding to cytochrome p450. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11004-5	16.4	103

219	Connection between the taxonomic substates and protonation of histidines 64 and 97 in carbonmonoxy myoglobin. <i>Biophysical Journal</i> , 1999 , 77, 1036-51	2.9	103
218	Probing the heme iron coordination structure of pressure-induced cytochrome P420cam. <i>Biochemistry</i> , 1996 , 35, 14530-6	3.2	102
217	Cysteine-specific surface tethering of genetically engineered cytochromes for fabrication of metalloprotein nanostructures. <i>Langmuir</i> , 1994 , 10, 153-158	4	100
216	Crystal structure of myoglobin from a synthetic gene. <i>Proteins: Structure, Function and Bioinformatics</i> , 1990 , 7, 358-65	4.2	99
215	Spectroscopic features of cytochrome P450 reaction intermediates. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 507, 26-35	4.1	96
214	Elliptical structure of phospholipid bilayer nanodiscs encapsulated by scaffold proteins: casting the roles of the lipids and the protein. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13713-22	16.4	94
213	Molecular recognition in cytochrome P-450: alteration of regioselective alkane hydroxylation via protein engineering. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2715-2717	16.4	94
212	Engineering extended membrane scaffold proteins for self-assembly of soluble nanoscale lipid bilayers. <i>Protein Engineering, Design and Selection</i> , 2010 , 23, 843-8	1.9	93
211	Molecular recognition mediated by bound water. A mechanism for star activity of the restriction endonuclease EcoRI. <i>Journal of Molecular Biology</i> , 1993 , 234, 302-6	6.5	93
210	Kinetic Solvent Isotope Effects during Oxygen Activation by Cytochrome P-450cam. <i>Journal of the American Chemical Society</i> , 1994 , 116, 1143-1144	16.4	93
209	Magic-angle spinning solid-state NMR spectroscopy of nanodisc-embedded human CYP3A4. <i>Biochemistry</i> , 2007 , 46, 13696-703	3.2	92
208	Characterization of a cytochrome P450 from the acidothermophilic archaea <i>Sulfolobus solfataricus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1998 , 252, 166-72	3.4	92
207	Cryotrapped reaction intermediates of cytochrome p450 studied by radiolytic reduction with phosphorus-32. <i>Journal of Biological Chemistry</i> , 2001 , 276, 11648-52	5.4	90
206	Hydrostatic and osmotic pressure as tools to study macromolecular recognition. <i>Methods in Enzymology</i> , 1995 , 259, 395-427	1.7	87
205	Disassembly of nanodiscs with cholate. <i>Nano Letters</i> , 2007 , 7, 1692-6	11.5	86
204	Surface electrostatics, reduction potentials, and the internal dielectric constant of proteins. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9419-9421	16.4	85
203	Native mass spectrometry characterization of intact nanodisc lipoprotein complexes. <i>Analytical Chemistry</i> , 2012 , 84, 8957-60	7.8	83
202	Tyrosine radical formation in the reaction of wild type and mutant cytochrome P450cam with peroxy acids: a multifrequency EPR study of intermediates on the millisecond time scale. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10919-30	5.4	83

201	Deuterium isotope effects in norcamphor metabolism by cytochrome P-450cam: kinetic evidence for the two-electron reduction of a high-valent iron-oxo intermediate. <i>Biochemistry</i> , 1988 , 27, 1610-6	3.2	82
200	Cooperative properties of cytochromes P450. <i>Pharmacology & Therapeutics</i> , 2009 , 124, 151-67	13.9	80
199	Kinetics of dithionite-dependent reduction of cytochrome P450 3A4: heterogeneity of the enzyme caused by its oligomerization. <i>Biochemistry</i> , 2005 , 44, 13902-13	3.2	80
198	Thirty years of microbial P450 monooxygenase research: peroxo-heme intermediates--the central bus station in heme oxygenase catalysis. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 346-54	3.4	80
197	Resonance Raman Investigations of Cytochrome P450camComplexed with Putidaredoxin. <i>Journal of the American Chemical Society</i> , 1997 , 119, 6614-6620	16.4	79
196	Cytochromes P450 in nanodiscs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 223-9	3.2	78
195	Energetics of heme binding to native and denatured states of cytochrome b562. <i>Biochemistry</i> , 1997 , 36, 16141-6	3.2	78
194	Modulation of the cytochrome P450 reductase redox potential by the phospholipid bilayer. <i>Biochemistry</i> , 2009 , 48, 12104-12	3.2	77
193	Resonance Raman characterization of the peroxo and hydroperoxo intermediates in cytochrome P450. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 13172-9	2.8	77
192	Structural analysis of nanoscale self-assembled discoidal lipid bilayers by solid-state NMR spectroscopy. <i>Biophysical Journal</i> , 2006 , 91, 3819-28	2.9	76
191	Co-incorporation of heterologously expressed Arabidopsis cytochrome P450 and P450 reductase into soluble nanoscale lipid bilayers. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 424, 141-53	4.1	74
190	Proton NMR hyperfine shift pattern as a probe for ligation state in high-spin ferric hemoproteins: water binding in metmyoglobin mutants. <i>Journal of the American Chemical Society</i> , 1991 , 113, 7886-7892	16.4	74
189	The ferrous-dioxygen intermediate in human cytochrome P450 3A4. Substrate dependence of formation and decay kinetics. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23313-8	5.4	73
188	Mapping electrostatic interactions in macromolecular associations. <i>Journal of Molecular Biology</i> , 1991 , 221, 1453-60	6.5	72
187	Structural differences between soluble and membrane bound cytochrome P450s. <i>Journal of Inorganic Biochemistry</i> , 2012 , 108, 150-8	4.2	71
186	Film Architecture in Biomolecular Assemblies. Effect of Linker on the Orientation of Genetically Engineered Surface-Bound Proteins. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9033-9041	16.4	70
185	Alteration of heme axial ligands by site-directed mutagenesis: a cytochrome becomes a catalytic demethylase. <i>Journal of the American Chemical Society</i> , 1987 , 109, 7896-7897	16.4	70
184	Mechanistic enzymology of oxygen activation by the cytochromes P450. <i>Drug Metabolism Reviews</i> , 2002 , 34, 691-708	7	67

183	Resonance Raman and EPR investigations of the D251N oxycytochrome P450cam/putidaredoxin complex. <i>Biochemistry</i> , 2001 , 40, 6852-9	3.2	67
182	Engineering cytochrome P450s for bioremediation. <i>Current Opinion in Biotechnology</i> , 1997 , 8, 274-8	11.4	66
181	Nanodiscs for immobilization of lipid bilayers and membrane receptors: kinetic analysis of cholera toxin binding to a glycolipid receptor. <i>Analytical Chemistry</i> , 2008 , 80, 6245-52	7.8	66
180	Conformational equilibria of light-activated rhodopsin in nanodiscs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E3268-E3275	11.5	64
179	Formation and decay of hydroperoxo-ferric heme complex in horseradish peroxidase studied by cryoradiolysis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42706-10	5.4	64
178	Genetic engineering of surface attachment sites yields oriented protein monolayers. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9298-9299	16.4	63
177	The one-electron autoxidation of human cytochrome P450 3A4. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26865-26873	5.4	60
176	Resonance Raman spectroscopic studies of hydroperoxo-myoglobin at cryogenic temperatures. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13714-8	16.4	60
175	Investigations of Anharmonic Low-Frequency Oscillations in Heme Proteins. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 3540-3552	2.8	60
174	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. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9048-9058	16.4	60
173	Mutant and Wild-Type Myoglobin-CO Protein Dynamics: Vibrational Echo Experiments. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 1468-1475	3.4	59
172	Assembly of lipids and proteins into lipoprotein particles. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11094-11099	3.4	59
171	Intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes: rate measurements in the Marcus inverted region. <i>Journal of the American Chemical Society</i> , 1993 , 115, 6820-6824	16.4	59
170	Ligand binding to cytochrome P450 3A4 in phospholipid bilayer nanodiscs: the effect of model membranes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28309-28320	5.4	58
169	Metabolic activation of mitomycin C by liver microsomes and nuclei. <i>Biochemical Pharmacology</i> , 1982 , 31, 2011-6	6	58
168	Application of fragment-based drug discovery to membrane proteins: identification of ligands of the integral membrane enzyme DsbB. <i>Chemistry and Biology</i> , 2010 , 17, 881-91		57
167	Alteration of P450 distal pocket solvent leads to impaired proton delivery and changes in heme geometry. <i>Biochemistry</i> , 2007 , 46, 14129-40	3.2	57
166	The critical iron-oxygen intermediate in human aromatase. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 169-73	3.4	56

165	Identification of the Fe-D-D Bending Mode in Oxycytochrome P450cam by Resonance Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999 , 121, 376-380	16.4	56
164	The iron-histidine mode of myoglobin revisited: resonance Raman studies of isotopically labeled Escherichia coli-expressed myoglobin. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9655-9660	16.4	55
163	Resonance Raman detection of the hydroperoxo intermediate in the cytochrome P450 enzymatic cycle. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6382-3	16.4	54
162	High-pressure investigations of cytochrome P-450 spin and substrate binding equilibria. <i>Archives of Biochemistry and Biophysics</i> , 1985 , 240, 456-63	4.1	54
161	X-ray absorption spectroscopic characterization of a cytochrome P450 compound II derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8179-84	11.5	53
160	Putidaredoxin reduction of cytochrome P-450cam: dependence of electron transfer on the identity of putidaredoxin's C-terminal amino acid. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7396-7398	16.4	53
159	Unveiling the crucial intermediates in androgen production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15856-61	11.5	51
158	Functional assays of membrane-bound proteins with SAMDI-TOF mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8796-8	16.4	51
157	Complex formation of cytochrome P450cam with Putidaredoxin. Evidence for protein-specific interactions involving the proximal thiolate ligand. <i>Journal of Biological Chemistry</i> , 2002 , 277, 2547-53	5.4	51
156	Demethylation of N,N-dimethylaniline and p-cyano-N,N-dimethylaniline and their N-oxides by cytochromes P450LM2 and P450CAM. <i>Journal of the American Chemical Society</i> , 1984 , 106, 1514-1515	16.4	51
155	Kinetic solvent isotope effect in human P450 CYP17A1-mediated androgen formation: evidence for a reactive peroxyanion intermediate. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16245-7	16.4	50
154	Nanodiscs: A Controlled Bilayer Surface for the Study of Membrane Proteins. <i>Annual Review of Biophysics</i> , 2018 , 47, 107-124	21.1	49
153	Active site proton delivery and the lyase activity of human CYP17A1. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 443, 179-84	3.4	49
152	Oxidase uncoupling in heme monooxygenases: human cytochrome P450 CYP3A4 in Nanodiscs. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1223-7	3.4	49
151	Resonance Localized Surface Plasmon Spectroscopy: Sensing Substrate and Inhibitor Binding to Cytochrome P450. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13084-13088	3.8	49
150	Cloning and expression of the gene encoding the soluble cytochrome b562 of Escherichia coli. <i>FEBS Journal</i> , 1991 , 202, 309-13		49
149	Characterization of the oxygenated intermediate of the thermophilic cytochrome P450 CYP119. <i>Journal of Inorganic Biochemistry</i> , 2001 , 87, 215-26	4.2	48
148	¹ H and ¹⁵ N resonance assignments and secondary structure of the carbon monoxide complex of sperm whale myoglobin. <i>Journal of Biomolecular NMR</i> , 1994 , 4, 491-504	3	48

147	A novel type of allosteric regulation: functional cooperativity in monomeric proteins. <i>Archives of Biochemistry and Biophysics</i> , 2012 , 519, 91-102	4.1	47
146	Mechanism of drug-drug interactions mediated by human cytochrome P450 CYP3A4 monomer. <i>Biochemistry</i> , 2015 , 54, 2227-39	3.2	46
145	Differential hydrogen bonding in human CYP17 dictates hydroxylation versus lyase chemistry. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5342-5	16.4	46
144	Stereoselective hydroxylation of norcamphor by cytochrome P450cam. Experimental verification of molecular dynamics simulations. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5326-30	5.4	46
143	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. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 378-90	4.6	45
142	Resonance Raman studies of cytochrome P450BM3 and its complexes with exogenous ligands. <i>Biochemistry</i> , 1999 , 38, 13699-706	3.2	45
141	Oxygen activation by cytochrome P450BM-3: effects of mutating an active site acidic residue. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 337, 209-16	4.1	44
140	Nanodisc-solubilized membrane protein library reflects the membrane proteome. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4009-16	4.4	43
139	Multiple mechanisms of cytochrome P450-catalyzed substrate hydroxylations. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 99, 530-5	3.4	43
138	Resonance Raman spectroscopy of the oxygenated intermediates of human CYP19A1 implicates a compound i intermediate in the final lyase step. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4825-8	16.4	42
137	Electrostatic stabilization in four-helix bundle proteins. <i>Protein Science</i> , 1993 , 2, 826-37	6.3	42
136	Chemotherapeutic attack of hypoxic tumor cells by the bioreductive alkylating agent mitomycin C. <i>Advances in Enzyme Regulation</i> , 1985 , 23, 291-307		42
135	Interpretation and deconvolution of nanodisc native mass spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 269-77	3.5	41
134	Chemistry. Glimpsing the critical intermediate in cytochrome P450 oxidations. <i>Science</i> , 2010 , 330, 924-5	33.3	41
133	Understanding thermostability in cytochrome P450 by combinatorial mutagenesis. <i>Protein Science</i> , 2001 , 10, 161-8	6.3	41
132	Electron transfer from cytochrome b5 to cytochrome c. <i>Journal of Bioenergetics and Biomembranes</i> , 1995 , 27, 331-40	3.7	41
131	Tyrosine motions in relation to the ferric spin equilibrium of cytochrome P-450cam. <i>Biochemistry</i> , 1985 , 24, 6696-701	3.2	41
130	Hydrogen-bonding interactions in the active sites of cytochrome P450cam and its site-directed mutants. <i>Journal of the American Chemical Society</i> , 2001 , 123, 269-78	16.4	40

129	Defining CYP3A4 structural responses to substrate binding. Raman spectroscopic studies of a nanodisc-incorporated mammalian cytochrome P450. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1357-66	16.4	39
128	Two copies of the SecY channel and acidic lipids are necessary to activate the SecA translocation ATPase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4104-9	11.5	37
127	The CO stretching mode infrared spectrum of substrate-free cytochrome P-450cam-CO: the effect of solvent conditions, temperature, and pressure. <i>FEBS Journal</i> , 1996 , 235, 660-9		37
126	Interaction of KRas4b with anionic membranes: A special role for PIP. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 487, 351-355	3.4	36
125	Maturation of high-density lipoproteins. <i>Journal of the Royal Society Interface</i> , 2009 , 6, 863-71	4.1	36
124	Engineering protein orientation at surfaces to control macromolecular recognition events. <i>Analytical Chemistry</i> , 1993 , 65, 2676-8	7.8	36
123	Protein electrochemistry at high pressure. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9660-9666	16.4	36
122	Interfacing lipid bilayer nanodiscs and silicon photonic sensor arrays for multiplexed protein-lipid and protein-membrane protein interaction screening. <i>Analytical Chemistry</i> , 2013 , 85, 2970-6	7.8	35
121	Small-angle scattering determination of the shape and localization of human cytochrome P450 embedded in a phospholipid nanodisc environment. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 2412-21		35
120	Blood clotting reactions on nanoscale phospholipid bilayers. <i>Thrombosis Research</i> , 2008 , 122 Suppl 1, S23-6	8.2	35
119	Single Molecule Height Measurements on a Membrane Protein in Nanometer-Scale Phospholipid Bilayer Disks. <i>Langmuir</i> , 2000 , 16, 5993-5997	4	35
118	Functional reconstitution of monomeric CYP3A4 with multiple cytochrome P450 reductase molecules in Nanodiscs. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 194-8	3.4	34
117	Engineering cytochrome P-450cam to increase the stereospecificity and coupling of aliphatic hydroxylation. <i>Protein Engineering, Design and Selection</i> , 1993 , 6, 207-12	1.9	34
116	Control and recognition of anionic ligands in myoglobin. <i>FEBS Letters</i> , 1991 , 282, 281-4	3.8	34
115	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, 3117-22	3.8	33
114	Optical determination of surface density in oriented metalloprotein nanostructures. <i>Analytical Chemistry</i> , 1993 , 65, 1635-1638	7.8	33
113	Constitutively active rhodopsin mutants causing night blindness are effectively phosphorylated by GRKs but differ in arrestin-1 binding. <i>Cellular Signalling</i> , 2013 , 25, 2155-62	4.9	32
112	Cryogenic absorption spectra of hydroperoxo-ferric heme oxygenase, the active intermediate of enzymatic heme oxygenation. <i>FEBS Letters</i> , 2002 , 532, 203-6	3.8	31

111	Cytochrome P450 and Aromatic Bases: A 1H NMR Study. <i>Journal of the American Chemical Society</i> , 1994 , 116, 4866-4873	16.4	30
110	ENDOR Determination of Heme Ligation in Chloroperoxidase and Comparison with Cytochrome P-450Cam. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5989-5990	16.4	30
109	Investigations of the resonance Raman excitation profiles of cytochrome P450cam. <i>Journal of Chemical Physics</i> , 1987 , 87, 4273-4284	3.9	30
108	Lipid-protein correlations in nanoscale phospholipid bilayers determined by solid-state nuclear magnetic resonance. <i>Biochemistry</i> , 2010 , 49, 9190-8	3.2	29
107	Mechanism of chromophore assisted laser inactivation employing fluorescent proteins. <i>Analytical Chemistry</i> , 2009 , 81, 1755-61	7.8	29
106	The ferrous-oxy complex of human aromatase. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 372, 379-82	3.4	29
105	Exploring the electron transfer properties of neuronal nitric-oxide synthase by reversal of the FMN redox potential. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34762-72	5.4	29
104	Finding a single-molecule solution for membrane proteins. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 312, 115-9	3.4	29
103	Ultra-thin layer MALDI mass spectrometry of membrane proteins in nanodiscs. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 721-9	4.4	28
102	Analysis of heterotropic cooperativity in cytochrome P450 3A4 using alpha-naphthoflavone and testosterone. <i>Journal of Biological Chemistry</i> , 2011 , 286, 5540-5	5.4	28
101	Microfluidic patterning of nanodisc lipid bilayers and multiplexed analysis of protein interaction. <i>Lab on A Chip</i> , 2008 , 8, 1723-8	7.2	28
100	The ferric-hydroperoxo complex of chloroperoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 954-8	3.4	28
99	Cryoradiolysis for the study of P450 reaction intermediates. <i>Methods in Enzymology</i> , 2002 , 357, 103-15	1.7	28
98	Mutagenesis of cytochromes P450cam and b5. <i>Methods in Enzymology</i> , 1991 , 206, 31-49	1.7	28
97	Heme-pocket-hydration change during the inactivation of cytochrome P-450camphor by hydrostatic pressure. <i>FEBS Journal</i> , 1992 , 209, 583-8		28
96	Controlling the regiospecificity and coupling of cytochrome P450cam: T185F mutant increases coupling and abolishes 3-hydroxynorcamphor product. <i>Protein Science</i> , 1993 , 2, 357-65	6.3	28
95	Photocleavage of DNA: irradiation of quinone-containing reagents converts supercoiled to linear DNA. <i>Photochemistry and Photobiology</i> , 1993 , 58, 554-8	3.6	28
94	Purification and Characterization of Microsomal Cytochrome b(5) and NADH Cytochrome b(5) Reductase from <i>Pisum sativum</i> . <i>Plant Physiology</i> , 1987 , 85, 457-62	6.6	28

93	Molecular models need to be tested: the case of a solar flares discoidal HDL model. <i>Biophysical Journal</i> , 2008 , 94, L87-9	2.9	27
92	Electron transfer between cytochrome P450cin and its FMN-containing redox partner, cindoxin. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27006-27011	5.4	27
91	Identification of 2Fe-2S cysteine ligands in putidaredoxin. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 169, 1016-20	3.4	27
90	Nanodiscs: A toolkit for membrane protein science. <i>Protein Science</i> , 2021 , 30, 297-315	6.3	27
89	Nanoscale Synaptic Membrane Mimetic Allows Unbiased High Throughput Screen That Targets Binding Sites for Alzheimer's-Associated A β Oligomers. <i>PLoS ONE</i> , 2015 , 10, e0125263	3.7	26
88	Nanodiscs as a therapeutic delivery agent: inhibition of respiratory syncytial virus infection in the lung. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1417-27	7.3	26
87	The influence of substrate on the spectral properties of oxyferrous wild-type and T252A cytochrome P450-CAM. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 436, 40-9	4.1	26
86	Macromolecular hydration changes associated with BamHI binding and catalysis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 30561-5	5.4	26
85	Surface-Linked Molecular Monolayers of an Engineered Myoglobin: Structure, Stability, and Function. <i>Langmuir</i> , 1996 , 12, 1278-1283	4	26
84	Cytochrome P450cam catalyzed epoxidation of dehydrocamphor. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 104, 853-8	3.4	26
83	Nature's universal oxygenases: the cytochromes P450. <i>Essays in Biochemistry</i> , 1999 , 34, 71-83	7.6	26
82	Evidence that cytochrome b5 acts as a redox donor in CYP17A1 mediated androgen synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 477, 202-8	3.4	25
81	Tetrameric hemoglobin expressed in Escherichia coli. Evidence of heterogeneous subunit assembly. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26257-64	5.4	25
80	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. <i>Journal of the American Chemical Society</i> , 1994 , 116, 7356-7362	16.4	25
79	A critical role of protein-bound water in the catalytic cycle of cytochrome P-450 camphor. <i>FEBS Letters</i> , 1992 , 312, 252-4	3.8	25
78	Cytochrome P-450 reduction exhibits burst kinetics. <i>Biochemical and Biophysical Research Communications</i> , 1980 , 97, 860-7	3.4	25
77	The acidic molten globule state of .alpha.-lactalbumin probed by sound velocity. <i>Journal of the American Chemical Society</i> , 1993 , 115, 9879-9882	16.4	24
76	Effect of the tyrosine 96 hydrogen bond on the inactivation of cytochrome P-450cam induced by hydrostatic pressure. <i>FEBS Journal</i> , 1990 , 193, 383-6		24

75	Phosphatidylinositol 4,5-Bisphosphate Modulates the Affinity of Talin-1 for Phospholipid Bilayers and Activates Its Autoinhibited Form. <i>Biochemistry</i> , 2016 , 55, 5038-48	3.2	23
74	Mixing apples and oranges: Analysis of heterotropic cooperativity in cytochrome P450 3A4. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 488, 146-52	4.1	23
73	A retinoic acid binding cytochrome P450: CYP120A1 from <i>Synechocystis</i> sp. PCC 6803. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 436, 110-20	4.1	23
72	Membrane topology of cytochrome P450 2B4 in Langmuir-Blodgett monolayers. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 359, 82-8	4.1	23
71	The use of isomeric testosterone dimers to explore allosteric effects in substrate binding to cytochrome P450 CYP3A4. <i>Journal of Inorganic Biochemistry</i> , 2016 , 158, 77-85	4.2	22
70	Nanomechanical detection of cholera toxin using microcantilevers functionalized with ganglioside nanodiscs. <i>Nanotechnology</i> , 2010 , 21, 435502	3.4	21
69	Intersubunit circular permutation of human hemoglobin. <i>Blood</i> , 2002 , 100, 299-305	2.2	21
68	Crystallization and preliminary X-ray diffraction analysis of a cytochrome P450 (CYP119) from <i>Sulfolobus solfataricus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000 , 56, 1173-5		21
67	Molecular recognition in the p450cam monooxygenase system: direct monitoring of protein-protein interactions by using optical biosensor. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 391, 255-64	4.1	21
66	Relationship between heme binding site structure and heme orientations of two ferrocyclochrome b5s. A study in prosthetic group recognition. <i>Journal of the American Chemical Society</i> , 1990 , 112, 5258-5263	16.4	21
65	The Charge Properties of Phospholipid Nanodiscs. <i>Biophysical Journal</i> , 2016 , 111, 989-98	2.9	21
64	Reconstitution of respiratory oxidases in membrane nanodiscs for investigation of proton-coupled electron transfer. <i>FEBS Letters</i> , 2012 , 586, 640-5	3.8	20
63	Understanding cooperativity in human p450 mediated drug-drug interactions. <i>Drug Metabolism Reviews</i> , 2007 , 39, 567-79	7	20
62	Heme Monooxygenases. <i>Catalysis By Metal Complexes</i> , 1997 , 195-221		20
61	Nanodiscs as a Modular Platform for Multimodal MR-Optical Imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 899-905	6.3	19
60	PIP2 Influences the Conformational Dynamics of Membrane-Bound KRAS4b. <i>Biochemistry</i> , 2019 , 58, 3537-3545	3.19	19
59	Resonance Raman spectroscopy reveals that substrate structure selectively impacts the heme-bound diatomic ligands of CYP17. <i>Biochemistry</i> , 2014 , 53, 90-100	3.2	19
58	Tissue factor/factor VIIa complex: role of the membrane surface. <i>Thrombosis Research</i> , 2012 , 129 Suppl 2, S8-10	8.2	19

57	Investigation of the low frequency dynamics of heme proteins: native and mutant cytochrome P450(cam) and redox partner complexes. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5665-77	3.4	19
56	Revelation of ternary complexes between redox partners in cytochrome P450-containing monooxygenase systems by the optical biosensor method. <i>Journal of Inorganic Biochemistry</i> , 2001 , 87, 175-84	4.2	19
55	Intramolecular electron-transfer reactions of cytochrome b5 covalently bonded to ruthenium(II) polypyridine complexes: reorganizational energy and pressure effects. <i>Inorganica Chimica Acta</i> , 1996 , 243, 193-200	2.7	19
54	Conformational equilibrium of talin is regulated by anionic lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 1833-40	3.8	19
53	Dissecting the molecular origins of specific protein-nucleic acid recognition: hydrostatic pressure and molecular dynamics. <i>Biophysical Journal</i> , 2002 , 82, 93-8	2.9	18
52	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2688-92	16.4	18
51	Alzheimer's Toxic Amyloid Beta Oligomers: Unwelcome Visitors to the Na/K ATPase alpha3 Docking Station. <i>Yale Journal of Biology and Medicine</i> , 2017 , 90, 45-61	2.4	17
50	Human Cytochrome CYP17A1: The Structural Basis for Compromised Lyase Activity with 17-Hydroxyprogesterone. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7324-7331	16.4	17
49	A differential scanning calorimetric study of the thermal unfolding of apo- and holo-cytochrome b562. <i>Protein Science</i> , 1998 , 7, 961-5	6.3	16
48	Measurements of CO geminate recombination in cytochromes P450 and P420. <i>Journal of Biological Chemistry</i> , 1995 , 270, 8673-9	5.4	16
47	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. <i>Journal of the American Chemical Society</i> , 1985 , 107, 2186-2187	16.4	16
46	Drug-Drug Interactions between Atorvastatin and Dronedarone Mediated by Monomeric CYP3A4. <i>Biochemistry</i> , 2018 , 57, 805-816	3.2	16
45	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017 , 24, 1259-1275.e6	8.2	15
44	Nonlinear analyte concentration gradients for one-step kinetic analysis employing optical microring resonators. <i>Analytical Chemistry</i> , 2012 , 84, 5556-64	7.8	15
43	Nanopatterning Phospholipid Bilayers. <i>Langmuir</i> , 2000 , 16, 3927-3931	4	15
42	Electron Transfer between Cytochrome B5 Surface Mutants and Cytochrome C. <i>Molecular Crystals and Liquid Crystals</i> , 1991 , 194, 311-316		15
41	Assembly of an activated rhodopsin-transducin complex in nanoscale lipid bilayers. <i>Biochemistry</i> , 2014 , 53, 127-34	3.2	14
40	Anomalous transitions of DODAB using fast scanning liquid calorimetry. <i>Thermochimica Acta</i> , 2011 , 522, 72-76	2.9	14

39	Analyte gradient-surface plasmon resonance: a one-step method for determining kinetic rates and macromolecular binding affinities. <i>Analytical Chemistry</i> , 2000 , 72, 4212-20	7.8	14
38	Influence of Transmembrane Helix Mutations on Cytochrome P450-Membrane Interactions and Function. <i>Biophysical Journal</i> , 2019 , 116, 419-432	2.9	13
37	Development of broad-host-range vectors for expression of cloned genes in <i>Pseudomonas</i> . <i>Gene</i> , 1985 , 38, 73-84	3.8	13
36	Temperature-jump measurement of the spin state relaxation rate of cytochrome P450cam. <i>FEBS Letters</i> , 1981 , 133, 252-4	3.8	13
35	Allosteric Interactions in Human Cytochrome P450 CYP3A4: The Role of Phenylalanine 213. <i>Biochemistry</i> , 2019 , 58, 1411-1422	3.2	12
34	Cytochrome b enhances androgen synthesis by rapidly reducing the CYP17A1 oxy-complex in the lyase step. <i>FEBS Letters</i> , 2018 , 592, 2282-2288	3.8	11
33	Product Formation from Ferrous Oxy-Cytochrome P-450. <i>Biochemical Society Transactions</i> , 1975 , 3, 821-825	3.2	11
32	Activation of Molecular Oxygen in Cytochromes P450 2015 , 69-109		10
31	Nanodiscs as a New Tool to Examine Lipid-Protein Interactions. <i>Methods in Molecular Biology</i> , 2019 , 2003, 645-671	1.4	9
30	Femtosecond coherence spectroscopy of heme proteins. <i>Biospectroscopy</i> , 1996 , 2, 301-309		9
29	Temperature derivative spectroscopy to monitor the autoxidation decay of cytochromes P450. <i>Analytical Chemistry</i> , 2011 , 83, 5394-9	7.8	8
28	Chapter 11 Molecular Modeling of the Structural Properties and Formation of High-Density Lipoprotein Particles. <i>Current Topics in Membranes</i> , 2008 , 60, 313-342	2.2	8
27	Microfluidic platform for efficient Nanodisc assembly, membrane protein incorporation, and purification. <i>Lab on A Chip</i> , 2017 , 17, 2951-2959	7.2	7
26	Differential Hydrogen Bonding in Human CYP17 Dictates Hydroxylation versus Lyase Chemistry. <i>Angewandte Chemie</i> , 2013 , 125, 5450-5453	3.6	7
25	Human P450 CYP17A1: Control of Substrate Preference by Asparagine 202. <i>Biochemistry</i> , 2018 , 57, 764-771	3.7	6
24	Photoacoustic calorimetry of proteins. <i>Methods in Enzymology</i> , 1998 , 295, 316-30	1.7	6
23	NMR analysis of free and lipid nanodisc anchored CEACAM1 membrane proximal peptides with Ca/CaM. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 787-797	3.8	5
22	Antibody Targeted PET Imaging of Cu-DOTA-Anti-CEA PEGylated Lipid Nanodiscs in CEA Positive Tumors. <i>Bioconjugate Chemistry</i> , 2020 , 31, 743-753	6.3	5

21	Biotransformation of the Mycotoxin Enniatin B1 by CYP P450 3A4 and Potential for Drug-Drug Interactions. <i>Metabolites</i> , 2019 , 9,	5.6	5
20	Protein engineering for molecular electronics. <i>Current Opinion in Biotechnology</i> , 1992 , 3, 388-93	11.4	5
19	Purified cytochrome P-450: spin-state control of the haemoprotein redox potential [proceedings]. <i>Biochemical Society Transactions</i> , 1980 , 8, 101-2	5.1	5
18	P450 CYP17A1 Variant with a Disordered Proton Shuttle Assembly Retains Peroxo-Mediated Lyase Efficiency. <i>Chemistry - A European Journal</i> , 2020 , 26, 16846-16852	4.8	5
17	The hydrodynamic motion of Nanodiscs. <i>Chemistry and Physics of Lipids</i> , 2019 , 220, 28-35	3.7	4
16	26 Cytochrome P450 Enzymes. <i>Handbook of Porphyrin Science</i> , 2010 , 165-201	0.3	4
15	Metal Binding Colloidal Gold Particles: A Versatile Scanning Force Microscope Tip Calibrator for Fluid Imaging. <i>Langmuir</i> , 1999 , 15, 3086-3090	4	4
14	The effect of microsomal lipids on the spin state of purified de-lipidated cytochrome P-450 [proceedings]. <i>Biochemical Society Transactions</i> , 1979 , 7, 1289-90	5.1	4
13	Midazolam as a Probe for Drug-Drug Interactions Mediated by CYP3A4: Homotropic Allosteric Mechanism of Site-Specific Hydroxylation. <i>Biochemistry</i> , 2021 , 60, 1670-1681	3.2	4
12	Nanodisc self-assembly is thermodynamically reversible and controllable. <i>Soft Matter</i> , 2020 , 16, 5615-5623	3.5	3
11	Membrane-Bound Ras as a Conformational Clock. <i>Biophysical Journal</i> , 2020 , 118, 991-993	2.9	3
10	Molecular Orientation Determination in Nanodiscs at the Single-Molecule Level. <i>Analytical Chemistry</i> , 2020 , 92, 2229-2236	7.8	3
9	Metalloproteins: The long and the short of it. <i>Nature Chemistry</i> , 2015 , 7, 687-8	17.6	2
8	A thermoelectric cuvette cooler for optical studies in cryobiochemistry. <i>Cryobiology</i> , 1979 , 16, 506-8	2.7	2
7	Heme and oxygen: intermediates on the pathway to substrate oxygenation. <i>International Congress Series</i> , 2002 , 1233, 79-88		1
6	Mechanism of the Clinically Relevant E305G Mutation in Human P450 CYP17A1. <i>Biochemistry</i> , 2021 , 60, 3262-3271	3.2	1
5	SMPL Synaptic Membranes: Nanodisc-Mediated Synaptic Membrane Mimetics Expand the Toolkit for Drug Discovery and the Molecular Cell Biology of Synapses. <i>Neuromethods</i> , 2018 , 227-250	0.4	1
4	Dark, Ultra-Dark and Ultra-Bright Nanodiscs for membrane protein investigations. <i>Analytical Biochemistry</i> , 2020 , 607, 113860	3.1	1

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| 3 | Substrate-Specific Allosteric Effects on the Enhancement of CYP17A1 Lyase Efficiency by Cytochrome. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3729-3733 | 16.4 | 1 |
| 2 | Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. <i>Angewandte Chemie</i> , 2016 , 128, 2738-2742 | 3.6 | |
| 1 | Homotropic and heterotropic cooperativity of CYP3A4 and drug-drug interactions. <i>FASEB Journal</i> , 2008 , 22, 919.6 | 0.9 | |