

Stephen G Sligar

List of Publications by Year in descending order

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277
papers

25,224
citations

5896

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times ranked

15568
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#	ARTICLE	IF	CITATIONS
1	Importance of Asparagine 202 in Manipulating Active Site Structure and Substrate Preference for Human CYP17A1. <i>Biochemistry</i> , 2022, 61, 583-594.	2.5	4
2	Midazolam as a Probe for Heterotropic Drug-Drug Interactions Mediated by CYP3A4. <i>Biomolecules</i> , 2022, 12, 853.	4.0	9
3	Nanodiscs: A toolkit for membrane protein science. <i>Protein Science</i> , 2021, 30, 297-315.	7.6	80
4	Substrate-Specific Allosteric Effects on the Enhancement of CYP17A1 Lyase Efficiency by Cytochrome <i>c</i> ₅ . <i>Journal of the American Chemical Society</i> , 2021, 143, 3729-3733.	13.7	8
5	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.	2.5	20
6	A Pathfinder in High-Pressure Bioscience: In Memoriam of Gaston Hui Bon Hoa. <i>Biology</i> , 2021, 10, 778.	2.8	0
7	Mechanism of the Clinically Relevant E305G Mutation in Human P450 CYP17A1. <i>Biochemistry</i> , 2021, 60, 3262-3271.	2.5	4
8	Molecular Orientation Determination in Nanodiscs at the Single-Molecule Level. <i>Analytical Chemistry</i> , 2020, 92, 2229-2236.	6.5	6
9	P450 CYP17A1 Variant with a Disordered Proton Shuttle Assembly Retains Peroxo-Mediated Lyase Efficiency. <i>Chemistry - A European Journal</i> , 2020, 26, 16846-16852.	3.3	8
10	Dark, Ultra-Dark and Ultra-Bright Nanodiscs for membrane protein investigations. <i>Analytical Biochemistry</i> , 2020, 607, 113860.	2.4	6
11	Nanodisc self-assembly is thermodynamically reversible and controllable. <i>Soft Matter</i> , 2020, 16, 5615-5623.	2.7	4
12	Membrane-Bound Ras as a Conformational Clock. <i>Biophysical Journal</i> , 2020, 118, 991-993.	0.5	3
13	Antibody Targeted PET Imaging of ⁶⁴ Cu-DOTA-Anti-CEA PEGylated Lipid Nanodiscs in CEA Positive Tumors. <i>Bioconjugate Chemistry</i> , 2020, 31, 743-753.	3.6	16
14	PIP2 Influences the Conformational Dynamics of Membrane-Bound KRAS4b. <i>Biochemistry</i> , 2019, 58, 3537-3545.	2.5	30
15	Biotransformation of the Mycotoxin Enniatin B1 by CYP P450 3A4 and Potential for Drug-Drug Interactions. <i>Metabolites</i> , 2019, 9, 158.	2.9	11
16	Influence of Transmembrane Helix Mutations on Cytochrome P450-Membrane Interactions and Function. <i>Biophysical Journal</i> , 2019, 116, 419-432.	0.5	23
17	Nanodiscs as a New Tool to Examine Lipid-Protein Interactions. <i>Methods in Molecular Biology</i> , 2019, 2003, 645-671.	0.9	12
18	NMR analysis of free and lipid nanodisc anchored CEACAM1 membrane proximal peptides with Ca ²⁺ /CaM. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 787-797.	2.6	5

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19	Allosteric Interactions in Human Cytochrome P450 CYP3A4: The Role of Phenylalanine 213. <i>Biochemistry</i> , 2019, 58, 1411-1422.	2.5	26
20	The hydrodynamic motion of Nanodiscs. <i>Chemistry and Physics of Lipids</i> , 2019, 220, 28-35.	3.2	5
21	Nanodiscs: A Controlled Bilayer Surface for the Study of Membrane Proteins. <i>Annual Review of Biophysics</i> , 2018, 47, 107-124.	10.0	68
22	Human P450 CYP17A1: Control of Substrate Preference by Asparagine 202. <i>Biochemistry</i> , 2018, 57, 764-771.	2.5	8
23	Drug-Drug Interactions between Atorvastatin and Dronedarone Mediated by Monomeric CYP3A4. <i>Biochemistry</i> , 2018, 57, 805-816.	2.5	24
24	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.	13.7	35
25	Cytochrome <i>b₅</i> enhances androgen synthesis by rapidly reducing the CYP17A1 oxygen complex in the lyase step. <i>FEBS Letters</i> , 2018, 592, 2282-2288.	2.8	16
26	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.	0.3	1
27	Nanodiscs in Membrane Biochemistry and Biophysics. <i>Chemical Reviews</i> , 2017, 117, 4669-4713.	47.7	396
28	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.	7.1	84
29	Interaction of KRas4b with anionic membranes: A special role for PIP 2. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 351-355.	2.1	47
30	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017, 24, 1259-1275.e6.	5.2	35
31	Microfluidic platform for efficient Nanodisc assembly, membrane protein incorporation, and purification. <i>Lab on A Chip</i> , 2017, 17, 2951-2959.	6.0	11
32	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.	0.2	23
33	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2688-2692.	13.8	20
34	Conformational equilibrium of talin is regulated by anionic lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1833-1840.	2.6	21
35	The Charge Properties of Phospholipid Nanodiscs. <i>Biophysical Journal</i> , 2016, 111, 989-998.	0.5	29
36	Phosphatidylinositol 4,5-Bisphosphate Modulates the Affinity of Talin-1 for Phospholipid Bilayers and Activates Its Autoinhibited Form. <i>Biochemistry</i> , 2016, 55, 5038-5048.	2.5	30

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37	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. <i>Angewandte Chemie</i> , 2016, 128, 2738-2742.	2.0	0
38	Nanodiscs for structural and functional studies of membrane proteins. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 481-486.	8.2	378
39	Evidence that cytochrome b5 acts as a redox donor in CYP17A1 mediated androgen synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 202-208.	2.1	30
40	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.	3.5	27
41	Nanoscale Synaptic Membrane Mimetic Allows Unbiased High Throughput Screen That Targets Binding Sites for Alzheimer's-Associated A β 2 Oligomers. <i>PLoS ONE</i> , 2015, 10, e0125263.	2.5	28
42	Activation of Molecular Oxygen in Cytochromes P450. , 2015, , 69-109.		22
43	Unveiling the crucial intermediates in androgen production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15856-15861.	7.1	70
44	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, 2412-2421.	2.5	47
45	Mechanism of Drug-Drug Interactions Mediated by Human Cytochrome P450 CYP3A4 Monomer. <i>Biochemistry</i> , 2015, 54, 2227-2239.	2.5	58
46	Nanodiscs as a Modular Platform for Multimodal MR-Optical Imaging. <i>Bioconjugate Chemistry</i> , 2015, 26, 899-905.	3.6	22
47	The long and the short of it. <i>Nature Chemistry</i> , 2015, 7, 687-688.	13.6	2
48	Resonance Raman Spectroscopy Reveals That Substrate Structure Selectively Impacts the Heme-Bound Diatomic Ligands of CYP17. <i>Biochemistry</i> , 2014, 53, 90-100.	2.5	21
49	Active site proton delivery and the lyase activity of human CYP17A1. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 179-184.	2.1	60
50	Assembly of an Activated Rhodopsin-Transducin Complex in Nanoscale Lipid Bilayers. <i>Biochemistry</i> , 2014, 53, 127-134.	2.5	14
51	Kinetic solvent isotope effect in steady-state turnover by CYP19A1 suggests involvement of Compound 1 for both hydroxylation and aromatization steps. <i>FEBS Letters</i> , 2014, 588, 3117-3122.	2.8	41
52	Interpretation and Deconvolution of Nanodisc Native Mass Spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 269-277.	2.8	48
53	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, 4825-4828.	13.7	49
54	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, 2970-2976.	6.5	42

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55	Kinetic Solvent Isotope Effect in Human P450 CYP17A1-Mediated Androgen Formation: Evidence for a Reactive Peroxoanion Intermediate. <i>Journal of the American Chemical Society</i> , 2013, 135, 16245-16247.	13.7	73
56	Oxidase uncoupling in heme monooxygenases: Human cytochrome P450 CYP3A4 in Nanodiscs. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1223-1227.	2.1	56
57	Constitutively active rhodopsin mutants causing night blindness are effectively phosphorylated by GRKs but differ in arrestin-1 binding. <i>Cellular Signalling</i> , 2013, 25, 2155-2162.	3.6	32
58	Nanodiscs as a New Tool to Examine Lipid-Protein Interactions. <i>Methods in Molecular Biology</i> , 2013, 974, 415-433.	0.9	129
59	Differential Hydrogen Bonding in Human CYP17 Dictates Hydroxylation versus Lyase Chemistry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5342-5345.	13.8	54
60	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, 8542-8551.	13.7	143
61	Nanodisc-solubilized membrane protein library reflects the membrane proteome. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4009-4016.	3.7	56
62	In Memoriam of Bill Peterson. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 2-3.	3.1	0
63	Nanodiscs as a therapeutic delivery agent: inhibition of respiratory syncytial virus infection in the lung. <i>International Journal of Nanomedicine</i> , 2013, 8, 1417.	6.7	28
64	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, 4104-4109.	7.1	43
65	Native Mass Spectrometry Characterization of Intact Nanodisc Lipoprotein Complexes. <i>Analytical Chemistry</i> , 2012, 84, 8957-8960.	6.5	95
66	Tissue Factor/Factor VIIa Complex: Role of the Membrane Surface. <i>Thrombosis Research</i> , 2012, 129, S8-S10.	1.7	22
67	A novel type of allosteric regulation: Functional cooperativity in monomeric proteins. <i>Archives of Biochemistry and Biophysics</i> , 2012, 519, 91-102.	3.0	54
68	Nonlinear Analyte Concentration Gradients for One-Step Kinetic Analysis Employing Optical Microring Resonators. <i>Analytical Chemistry</i> , 2012, 84, 5556-5564.	6.5	16
69	Reconstitution of respiratory oxidases in membrane nanodiscs for investigation of proton-coupled electron transfer. <i>FEBS Letters</i> , 2012, 586, 640-645.	2.8	21
70	Structural differences between soluble and membrane bound cytochrome P450s. <i>Journal of Inorganic Biochemistry</i> , 2012, 108, 150-158.	3.5	81
71	Ultra-thin layer MALDI mass spectrometry of membrane proteins in nanodiscs. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 721-729.	3.7	31
72	Temperature Derivative Spectroscopy To Monitor the Autoxidation Decay of Cytochromes P450. <i>Analytical Chemistry</i> , 2011, 83, 5394-5399.	6.5	9

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73	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, 1357-1366.	13.7	48
74	Biomimetic Chemical Sensors Using Nanoelectronic Readout of Olfactory Receptor Proteins. <i>ACS Nano</i> , 2011, 5, 5408-5416.	14.6	173
75	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, 5665-5677.	2.6	26
76	Spectroscopic features of cytochrome P450 reaction intermediates. <i>Archives of Biochemistry and Biophysics</i> , 2011, 507, 26-35.	3.0	127
77	Cytochromes P450 in Nanodiscs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 223-229.	2.3	86
78	Anomalous transitions of DODAB using fast scanning liquid calorimetry. <i>Thermochimica Acta</i> , 2011, 522, 72-76.	2.7	15
79	Analysis of Heterotropic Cooperativity in Cytochrome P450 3A4 Using \pm -Naphthoflavone and Testosterone. <i>Journal of Biological Chemistry</i> , 2011, 286, 5540-5545.	3.4	32
80	Monomeric Rhodopsin Is Sufficient for Normal Rhodopsin Kinase (GRK1) Phosphorylation and Arrestin-1 Binding. <i>Journal of Biological Chemistry</i> , 2011, 286, 1420-1428.	3.4	166
81	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, 13713-13722.	13.7	117
82	Nanomechanical detection of cholera toxin using microcantilevers functionalized with ganglioside nanodiscs. <i>Nanotechnology</i> , 2010, 21, 435502.	2.6	23
83	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, 378-390.	1.0	47
84	Membrane protein assembly into Nanodiscs. <i>FEBS Letters</i> , 2010, 584, 1721-1727.	2.8	635
85	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, 881-891.	6.0	70
86	Measuring mechanical tension across vinculin reveals regulation of focal adhesion dynamics. <i>Nature</i> , 2010, 466, 263-266.	27.8	1,274
87	Photoelectrochemical complexes for solar energy conversion that chemically and autonomously regenerate. <i>Nature Chemistry</i> , 2010, 2, 929-936.	13.6	126
88	Glimpsing the Critical Intermediate in Cytochrome P450 Oxidations. <i>Science</i> , 2010, 330, 924-925.	12.6	47
89	Recreation of the terminal events in physiological integrin activation. <i>Journal of Cell Biology</i> , 2010, 188, 157-173.	5.2	228
90	Engineering extended membrane scaffold proteins for self-assembly of soluble nanoscale lipid bilayers. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 843-848.	2.1	133

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91	Resonance Raman Studies On Mammalian Cytochromes P450. , 2010, , .		0
92	Lipid-Protein Correlations in Nanoscale Phospholipid Bilayers Determined by Solid-State Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2010, 49, 9190-9198.	2.5	30
93	Functional reconstitution of monomeric CYP3A4 with multiple cytochrome P450 reductase molecules in Nanodiscs. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 194-198.	2.1	38
94	Maturation of high-density lipoproteins. <i>Journal of the Royal Society Interface</i> , 2009, 6, 863-871.	3.4	46
95	Cooperative properties of cytochromes P450. , 2009, 124, 151-167.		97
96	Modulation of the Cytochrome P450 Reductase Redox Potential by the Phospholipid Bilayer. <i>Biochemistry</i> , 2009, 48, 12104-12112.	2.5	89
97	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, 3754-3759.	6.5	116
98	The critical iron-oxygen intermediate in human aromatase. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 169-173.	2.1	57
99	Mixing apples and oranges: Analysis of heterotropic cooperativity in cytochrome P450 3A4. <i>Archives of Biochemistry and Biophysics</i> , 2009, 488, 146-152.	3.0	24
100	Self-assembly of single integral membrane proteins into soluble nanoscale phospholipid bilayers. <i>Protein Science</i> , 2009, 12, 2476-2481.	7.6	227
101	Mechanism of Chromophore Assisted Laser Inactivation Employing Fluorescent Proteins. <i>Analytical Chemistry</i> , 2009, 81, 1755-1761.	6.5	31
102	Molecular Models Need to be Tested: The Case of a Solar Flares Discoidal HDL Model. <i>Biophysical Journal</i> , 2008, 94, L87-L89.	0.5	29
103	The ferrous-oxy complex of human aromatase. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 379-382.	2.1	31
104	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, 6245-6252.	6.5	70
105	Blood clotting reactions on nanoscale phospholipid bilayers. <i>Thrombosis Research</i> , 2008, 122, S23-S26.	1.7	37
106	Microfluidic patterning of nanodisc lipid bilayers and multiplexed analysis of protein interaction. <i>Lab on A Chip</i> , 2008, 8, 1723.	6.0	31
107	Resonance Raman Characterization of the Peroxo and Hydroperoxo Intermediates in Cytochrome P450. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13172-13179.	2.5	92
108	Resonance Localized Surface Plasmon Spectroscopy: Sensing Substrate and Inhibitor Binding to Cytochrome P450. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13084-13088.	3.1	57

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109	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
110	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
111	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
112	Homotropic and heterotropic cooperativity of CYP3A4 and drug-drug interactions. FASEB Journal, 2008, 22, 919.6.	0.5	0
113	Cooperativity in Cytochrome P450 3A4. Journal of Biological Chemistry, 2007, 282, 7066-7076.	3.4	186
114	The One-electron Autoxidation of Human Cytochrome P450 3A4. Journal of Biological Chemistry, 2007, 282, 26865-26873.	3.4	65
115	Ligand Binding to Cytochrome P450 3A4 in Phospholipid Bilayer Nanodiscs. Journal of Biological Chemistry, 2007, 282, 28309-28320.	3.4	66
116	Transducin Activation by Nanoscale Lipid Bilayers Containing One and Two Rhodopsins. Journal of Biological Chemistry, 2007, 282, 14875-14881.	3.4	314
117	Understanding Cooperativity in Human P450 Mediated Drug-Drug Interactions. Drug Metabolism Reviews, 2007, 39, 567-579.	3.6	21
118	Electron Transfer between Cytochrome P450cin and Its FMN-containing Redox Partner, Cindoxin. Journal of Biological Chemistry, 2007, 282, 27006-27011.	3.4	34
119	The ferric-hydroperoxo complex of chloroperoxidase. Biochemical and Biophysical Research Communications, 2007, 363, 954-958.	2.1	31
120	Redox Potential Control by Drug Binding to Cytochrome P450 3A4. Journal of the American Chemical Society, 2007, 129, 13778-13779.	13.7	110
121	The Local Phospholipid Environment Modulates the Activation of Blood Clotting. Journal of Biological Chemistry, 2007, 282, 6556-6563.	3.4	132
122	Alteration of P450 Distal Pocket Solvent Leads to Impaired Proton Delivery and Changes in Heme Geometry. Biochemistry, 2007, 46, 14129-14140.	2.5	60
123	Magic-Angle Spinning Solid-State NMR Spectroscopy of Nanodisc-Embedded Human CYP3A4. Biochemistry, 2007, 46, 13696-13703.	2.5	100
124	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
125	Disassembly of Nanodiscs with Cholate. Nano Letters, 2007, 7, 1692-1696.	9.1	89
126	Assembly of Lipids and Proteins into Lipoprotein Particles. Journal of Physical Chemistry B, 2007, 111, 11095-11104.	2.6	60

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127	Applications of Phospholipid Bilayer Nanodiscs in the Study of Membranes and Membrane Proteins. <i>Biochemistry</i> , 2007, 46, 2059-2069.	2.5	399
128	Functional Assays of Membrane-Bound Proteins with SAMDI-TOF Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8796-8798.	13.8	55
129	Nanodiscs unravel the interaction between the SecYEG channel and its cytosolic partner SecA. <i>EMBO Journal</i> , 2007, 26, 1995-2004.	7.8	137
130	The Ferrous-Dioxygen Intermediate in Human Cytochrome P450 3A4. <i>Journal of Biological Chemistry</i> , 2006, 281, 23313-23318.	3.4	83
131	Structural Analysis of Nanoscale Self-Assembled Discoidal Lipid Bilayers by Solid-State NMR Spectroscopy. <i>Biophysical Journal</i> , 2006, 91, 3819-3828.	0.5	82
132	Resonance Surface Plasmon Spectroscopy: A Low Molecular Weight Substrate Binding to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2006, 128, 11004-11005.	13.7	115
133	Cytochrome P450 Compound I. <i>Journal of the American Chemical Society</i> , 2006, 128, 4580-4581.	13.7	140
134	Assembly of single bacteriorhodopsin trimers in bilayer nanodiscs. <i>Archives of Biochemistry and Biophysics</i> , 2006, 450, 215-222.	3.0	156
135	Functional reconstitution of β_2 -adrenergic receptors utilizing self-assembling Nanodisc technology. <i>BioTechniques</i> , 2006, 40, 601-612.	1.8	190
136	The status of high-valent metal oxo complexes in the P450 cytochromes. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 507-518.	3.5	113
137	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, 11509-11514.	7.1	181
138	Structure and Chemistry of Cytochrome P450. <i>Chemical Reviews</i> , 2005, 105, 2253-2278.	47.7	1,771
139	Kinetics of Dithionite-Dependent Reduction of Cytochrome P450 3A4: A Heterogeneity of the Enzyme Caused by Its Oligomerization. <i>Biochemistry</i> , 2005, 44, 13902-13913.	2.5	87
140	Thermotropic Phase Transition in Soluble Nanoscale Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15580-15588.	2.6	153
141	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, 346-354.	2.1	84
142	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, 40-49.	3.0	26
143	A retinoic acid binding cytochrome P450: CYP120A1 from <i>Synechocystis</i> sp. PCC 6803. <i>Archives of Biochemistry and Biophysics</i> , 2005, 436, 110-120.	3.0	26
144	Molecular Dynamics Simulations of Discoidal Bilayers Assembled from Truncated Human Lipoproteins. <i>Biophysical Journal</i> , 2005, 88, 548-556.	0.5	115

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145	Tyrosine Radical Formation in the Reaction of Wild Type and Mutant Cytochrome P450cam with Peroxy Acids. <i>Journal of Biological Chemistry</i> , 2004, 279, 10919-10930.	3.4	90
146	Sizing DNA Using a Nanometer-Diameter Pore. <i>Biophysical Journal</i> , 2004, 87, 2905-2911.	0.5	285
147	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, 141-153.	3.0	76
148	Homotropic cooperativity of monomeric cytochrome P450 3A4 in a nanoscale native bilayer environment. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 218-228.	3.0	171
149	Phospholipid phase transitions in homogeneous nanometer scale bilayer discs. <i>FEBS Letters</i> , 2004, 556, 260-264.	2.8	123
150	Resonance Raman Spectroscopic Studies of Hydroperoxo-Myoglobin at Cryogenic Temperatures. <i>Journal of the American Chemical Society</i> , 2003, 125, 13714-13718.	13.7	63
151	Epoxidation of Olefins by Hydroperoxo-Ferric Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2003, 125, 3406-3407.	13.7	149
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