

Thomas P Sakmar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202
papers

14,907
citations

64
h-index

118
g-index

241
ext. papers

16,155
ext. citations

8.6
avg, IF

6.36
L-index

#	Paper	IF	Citations
202	FRET sensors reveal the retinal entry pathway in the G protein-coupled receptor rhodopsin.. <i>IScience</i> , 2022 , 25, 104060	6.1	0
201	Getting to the heart of cannabis health risks.. <i>Cell</i> , 2022 , 185, 1623-1625	56.2	
200	Frizzled BRET sensors based on bioorthogonal labeling of unnatural amino acids reveal WNT-induced dynamics of the cysteine-rich domain. <i>Science Advances</i> , 2021 , 7, eabj7917	14.3	1
199	Archiving time series sewage samples as biological records of built environments. <i>BMC Infectious Diseases</i> , 2021 , 21, 601	4	0
198	DRUL for school: Opening Pre-K with safe, simple, sensitive saliva testing for SARS-CoV-2. <i>PLoS ONE</i> , 2021 , 16, e0252949	3.7	0
197	Combined Inhibition of G1 and MEK Enhances Therapeutic Efficacy in Uveal Melanoma. <i>Clinical Cancer Research</i> , 2021 , 27, 1476-1490	12.9	11
196	Purinergic Receptors Crosstalk with CCR5 to Amplify Ca Signaling. <i>Cellular and Molecular Neurobiology</i> , 2021 , 41, 1085-1101	4.6	2
195	Direct evidence that the GPCR CysLTR2 mutant causative of uveal melanoma is constitutively active with highly biased signaling. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100163	5.4	10
194	Principles and practice for SARS-CoV-2 decontamination of N95 masks with UV-C. <i>Biophysical Journal</i> , 2021 , 120, 2927-2942	2.9	6
193	Playing Tag with Your Favorite GPCR Using CRISPR. <i>Cell Chemical Biology</i> , 2020 , 27, 642-644	8.2	0
192	High-Affinity Binding of Chemokine Analogs that Display Ligand Bias at the HIV-1 Coreceptor CCR5. <i>Biophysical Journal</i> , 2019 , 117, 903-919	2.9	6
191	Genetic code expansion and photocross-linking identify different β arrestin binding modes to the angiotensin II type 1 receptor. <i>Journal of Biological Chemistry</i> , 2019 , 294, 17409-17420	5.4	14
190	Multiplexed analysis of the secretin-like GPCR-RAMP interactome. <i>Science Advances</i> , 2019 , 5, eaaw2778	14.3	26
189	Conformation-specific antibodies against multiple amyloid protofibril species from a single amyloid immunogen. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 2103-2114	5.6	7
188	Tracking Pore Hydration in Channelrhodopsin by Site-Directed Infrared-Active Azido Probes. <i>Biochemistry</i> , 2019 , 58, 1275-1286	3.2	7
187	Receptor Structures for a Caldron of Cannabinoids. <i>Cell</i> , 2019 , 176, 409-411	56.2	6
186	Detection of Concordance between Transcriptional Levels of GPCRs and Receptor-Activity-Modifying Proteins. <i>IScience</i> , 2019 , 11, 366-374	6.1	7

185	Third-Party Capture of Elusive GPCR Dimers. <i>Biophysical Journal</i> , 2019 , 116, 1-3	2.9	13
184	14-3-3 signal adaptor and scaffold proteins mediate GPCR trafficking. <i>Scientific Reports</i> , 2019 , 9, 11156	4.9	4
183	Dual Bioorthogonal Labeling of the Amyloid- β Protein Precursor Facilitates Simultaneous Visualization of the Protein and Its Cleavage Products. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 537-548	4.3	9
182	Energetics Underlying Twist Polymorphisms in Amyloid Fibrils. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 1081-1091	3.4	31
181	Probing Antibody Binding Sites on G Protein-Coupled Receptors Using Genetically Encoded Photo-Activatable Cross-Linkers. <i>Methods in Molecular Biology</i> , 2018 , 1785, 65-75	1.4	1
180	Photoaffinity Cross-Linking and Unnatural Amino Acid Mutagenesis Reveal Insights into Calcitonin Gene-Related Peptide Binding to the Calcitonin Receptor-like Receptor/Receptor Activity-Modifying Protein 1 (CLR/RAMP1) Complex. <i>Biochemistry</i> , 2018 , 57, 4915-4922	3.2	14
179	DNA-encircled lipid bilayers. <i>Nanoscale</i> , 2018 , 10, 18463-18467	7.7	23
178	Ancient Family of Retinal Proteins Brought to Light "Sight-Unseen". <i>Biochemistry</i> , 2018 , 57, 6735-6737	3.2	0
177	G protein subtype-specific signaling bias in a series of CCR5 chemokine analogs. <i>Science Signaling</i> , 2018 , 11,	8.8	19
176	Update on Alzheimer's Disease Therapy and Prevention Strategies. <i>Annual Review of Medicine</i> , 2017 , 68, 413-430	17.4	296
175	Nucleobindin 1 binds to multiple types of pre-fibrillar amyloid and inhibits fibrillization. <i>Scientific Reports</i> , 2017 , 7, 42880	4.9	20
174	Genetically encoded photocross-linkers determine the biological binding site of exendin-4 peptide in the N-terminal domain of the intact human glucagon-like peptide-1 receptor (GLP-1R). <i>Journal of Biological Chemistry</i> , 2017 , 292, 7131-7144	5.4	33
173	Measurement of Slow Spontaneous Release of 11-cis-Retinal from Rhodopsin. <i>Biophysical Journal</i> , 2017 , 112, 153-161	2.9	9
172	Complex Photochemistry within the Green-Absorbing Channelrhodopsin ReaChR. <i>Biophysical Journal</i> , 2017 , 112, 1166-1175	2.9	13
171	Length-dependent gene misexpression is associated with Alzheimer's disease progression. <i>Scientific Reports</i> , 2017 , 7, 190	4.9	9
170	GPCRs globally coevolved with receptor activity-modifying proteins, RAMPs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12015-12020	11.5	24
169	Probing Self-Assembly of G Protein-Coupled Receptor Oligomers in Membranes Using Molecular Dynamics Modeling and Experimental Approaches 2017 , 385-414		1
168	The Energetics of Chromophore Binding in the Visual Photoreceptor Rhodopsin. <i>Biophysical Journal</i> , 2017 , 113, 60-72	2.9	9

167	Epitranscriptomic profiling across cell types reveals associations between APOBEC1-mediated RNA editing, gene expression outcomes, and cellular function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13296-13301	11.5	21
166	Isopeptide and ester bond ubiquitination both regulate degradation of the human dopamine receptor 4. <i>Journal of Biological Chemistry</i> , 2017 , 292, 21623-21630	5.4	12
165	Brain gene expression signature on primate genomic sequence evolution. <i>Scientific Reports</i> , 2017 , 7, 17329	4.9	4
164	CXC Chemokine Receptor 3 Alternative Splice Variants Selectively Activate Different Signaling Pathways. <i>Molecular Pharmacology</i> , 2016 , 90, 483-95	4.3	52
163	Genetically encoded photocrosslinkers locate the high-affinity binding site of antidepressant drugs in the human serotonin transporter. <i>Nature Communications</i> , 2016 , 7, 11261	17.4	41
162	Targeting of the pulmonary capillary vascular niche promotes lung alveolar repair and ameliorates fibrosis. <i>Nature Medicine</i> , 2016 , 22, 154-62	50.5	144
161	A simple method for enhancing the bioorthogonality of cyclooctyne reagent. <i>Chemical Communications</i> , 2016 , 52, 5451-4	5.8	32
160	Defeating Alzheimer's disease and other dementias: a priority for European science and society. <i>Lancet Neurology</i> , 2016 , 15, 455-532	24.1	921
159	Preparation and Analysis of N-Terminal Chemokine Receptor Sulfopeptides Using Tyrosylprotein Sulfotransferase Enzymes. <i>Methods in Enzymology</i> , 2016 , 570, 357-88	1.7	5
158	Pharmacology: Inside-out receptor inhibition. <i>Nature</i> , 2016 , 540, 344-345	50.4	2
157	Recurrent activating mutations of G-protein-coupled receptor CYSLTR2 in uveal melanoma. <i>Nature Genetics</i> , 2016 , 48, 675-80	36.3	178
156	Development of a CCK1R-membrane nanoparticle as a fish-out tool for bioactive peptides. <i>Peptides</i> , 2015 , 68, 219-27	3.8	
155	Bioorthogonal Labeling of Ghrelin Receptor to Facilitate Studies of Ligand-Dependent Conformational Dynamics. <i>Chemistry and Biology</i> , 2015 , 22, 1431-1436		16
154	Micelle-Enhanced Bioorthogonal Labeling of Genetically Encoded Azido Groups on the Lipid-Embedded Surface of a GPCR. <i>ChemBioChem</i> , 2015 , 16, 1314-22	3.8	16
153	Multiplex detection of functional G protein-coupled receptors harboring site-specifically modified unnatural amino acids. <i>Biochemistry</i> , 2015 , 54, 776-86	3.2	13
152	Quantitative Multi-color Detection Strategies for Bioorthogonally Labeled GPCRs. <i>Methods in Molecular Biology</i> , 2015 , 1335, 67-93	1.4	3
151	Antibody epitopes on G protein-coupled receptors mapped with genetically encoded photoactivatable cross-linkers. <i>Biochemistry</i> , 2014 , 53, 1302-10	3.2	24
150	Bioorthogonal fluorescent labeling of functional G-protein-coupled receptors. <i>ChemBioChem</i> , 2014 , 15, 1820-9	3.8	35

149	Mapping substance P binding sites on the neurokinin-1 receptor using genetic incorporation of a photoreactive amino acid. <i>Journal of Biological Chemistry</i> , 2014 , 289, 18045-54	5.4	43
148	Chemical biology methods for investigating G protein-coupled receptor signaling. <i>Chemistry and Biology</i> , 2014 , 21, 1224-37		32
147	Homogeneous time-resolved fluorescence assay to probe folded G protein-coupled receptors. <i>Methods in Enzymology</i> , 2013 , 522, 169-89	1.7	3
146	Unnatural amino acid mutagenesis of GPCRs using amber codon suppression and bioorthogonal labeling. <i>Methods in Enzymology</i> , 2013 , 520, 281-305	1.7	29
145	Probing G protein-coupled receptor-ligand interactions with targeted photoactivatable cross-linkers. <i>Biochemistry</i> , 2013 , 52, 8625-32	3.2	36
144	Site-specific labeling of genetically encoded azido groups for multicolor, single-molecule fluorescence imaging of GPCRs. <i>Methods in Cell Biology</i> , 2013 , 117, 267-303	1.8	11
143	Site-specific epitope tagging of G protein-coupled receptors by bioorthogonal modification of a genetically encoded unnatural amino acid. <i>Biochemistry</i> , 2013 , 52, 1028-36	3.2	32
142	Mapping a ligand binding site using genetically encoded photoactivatable crosslinkers. <i>Methods in Enzymology</i> , 2013 , 520, 307-22	1.7	19
141	Spectral tuning of ultraviolet cone pigments: an interhelical lock mechanism. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19064-7	16.4	20
140	Genetically-encoded molecular probes to study G protein-coupled receptors. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	8
139	Use of G-protein-coupled and -uncoupled CCR5 receptors by CCR5 inhibitor-resistant and -sensitive human immunodeficiency virus type 1 variants. <i>Journal of Virology</i> , 2013 , 87, 6569-81	6.6	29
138	Unnatural amino acids for the study of chemokine receptor structure and dynamics. <i>Drug Discovery Today: Technologies</i> , 2012 , 9, e227-314	7.1	2
137	Biochemistry. Redder than red. <i>Science</i> , 2012 , 338, 1299-300	33.3	4
136	Rhodopsin forms a dimer with cytoplasmic helix 8 contacts in native membranes. <i>Biochemistry</i> , 2012 , 51, 1819-21	3.2	57
135	Har Gobind Khorana (1922-2011): chemical biology pioneer. <i>ACS Chemical Biology</i> , 2012 , 7, 250-1	4.9	
134	Genetically encoded photo-cross-linkers map the binding site of an allosteric drug on a G protein-coupled receptor. <i>ACS Chemical Biology</i> , 2012 , 7, 967-72	4.9	59
133	Nucleobindin 1 caps human islet amyloid polypeptide protofibrils to prevent amyloid fibril formation. <i>Journal of Molecular Biology</i> , 2012 , 421, 378-89	6.5	17
132	Contributions of H G Khorana to understanding transmembrane signal transduction 2012 , 17, 1165-1173		1

131	Structural determinants of the supramolecular organization of G protein-coupled receptors in bilayers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10959-65	16.4	181
130	Mapping the ligand-binding site on a G protein-coupled receptor (GPCR) using genetically encoded photocrosslinkers. <i>Biochemistry</i> , 2011 , 50, 3411-3	3.2	81
129	Escaping the flatlands: new approaches for studying the dynamic assembly and activation of GPCR signaling complexes. <i>Trends in Pharmacological Sciences</i> , 2011 , 32, 410-9	13.2	35
128	G protein-coupled receptor modulation with pepducins: moving closer to the clinic. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1226, 34-49	6.5	36
127	Opsin is a phospholipid flippase. <i>Current Biology</i> , 2011 , 21, 149-53	6.3	113
126	Site-specific in vitro and in vivo incorporation of molecular probes to study G-protein-coupled receptors. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 392-8	9.7	37
125	Direct measurement of thermal stability of expressed CCR5 and stabilization by small molecule ligands. <i>Biochemistry</i> , 2011 , 50, 502-11	3.2	37
124	Direct interaction between an allosteric agonist pepducin and the chemokine receptor CXCR4. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15878-81	16.4	57
123	Multiple CCR5 conformations on the cell surface are used differentially by human immunodeficiency viruses resistant or sensitive to CCR5 inhibitors. <i>Journal of Virology</i> , 2011 , 85, 8227-40	6.6	48
122	CXCR7/CXCR4 heterodimer constitutively recruits beta-arrestin to enhance cell migration. <i>Journal of Biological Chemistry</i> , 2011 , 286, 32188-97	5.4	247
121	Receptors: clicking class B GPCR ligands. <i>Nature Chemical Biology</i> , 2011 , 7, 500-1	11.7	5
120	Structural biology: snapshot of a signalling complex. <i>Nature</i> , 2011 , 477, 540-1	50.4	16
119	Tracking G-protein-coupled receptor activation using genetically encoded infrared probes. <i>Nature</i> , 2010 , 464, 1386-9	50.4	220
118	Nucleobindin 1 is a calcium-regulated guanine nucleotide dissociation inhibitor of G α i1. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31647-60	5.4	24
117	Structure and Function of G-Protein-Coupled Receptors 2010 , 151-156		0
116	Methodology of pulsed photoacoustics and its application to probe photosystems and receptors. <i>Sensors</i> , 2010 , 10, 5642-67	3.8	8
115	SEIRA spectroscopy on a membrane receptor monolayer using lipoprotein particles as carriers. <i>Biophysical Journal</i> , 2010 , 99, 2327-35	2.9	19
114	Discovery of a CXCR4 agonist pepducin that mobilizes bone marrow hematopoietic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22255-9	11.5	78

113	FTIR analysis of GPCR activation using azido probes. <i>Nature Chemical Biology</i> , 2009 , 5, 397-9	11.7	152
112	Helix movement is coupled to displacement of the second extracellular loop in rhodopsin activation. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 168-75	17.6	184
111	6-s-cis Conformation and polar binding pocket of the retinal chromophore in the photoactivated state of rhodopsin. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15160-9	16.4	36
110	Structural evidence for a sequential release mechanism for activation of heterotrimeric G proteins. <i>Journal of Molecular Biology</i> , 2009 , 393, 882-97	6.5	40
109	Bilateral olfactory sensory input enhances chemotaxis behavior. <i>Nature Neuroscience</i> , 2008 , 11, 187-99	25.5	144
108	Structural basis for ligand binding and specificity in adrenergic receptors: implications for GPCR-targeted drug discovery. <i>Biochemistry</i> , 2008 , 47, 11013-23	3.2	56
107	Rapid incorporation of functional rhodopsin into nanoscale apolipoprotein bound bilayer (NABB) particles. <i>Journal of Molecular Biology</i> , 2008 , 377, 1067-81	6.5	101
106	Functional role of the "ionic lock"--an interhelical hydrogen-bond network in family A heptahelical receptors. <i>Journal of Molecular Biology</i> , 2008 , 380, 648-55	6.5	132
105	Sequential tyrosine sulfation of CXCR4 by tyrosylprotein sulfotransferases. <i>Biochemistry</i> , 2008 , 47, 11253-62	3.62	62
104	Rhodopsin's active state is frozen like a DEER in the headlights. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7343-4	11.5	6
103	Site-specific incorporation of keto amino acids into functional G protein-coupled receptors using unnatural amino acid mutagenesis. <i>Journal of Biological Chemistry</i> , 2008 , 283, 1525-1533	5.4	131
102	Structural basis of CXCR4 sulfotyrosine recognition by the chemokine SDF-1/CXCL12. <i>Science Signaling</i> , 2008 , 1, ra4	8.8	215
101	Toward a framework for sulfoproteomics: Synthesis and characterization of sulfotyrosine-containing peptides. <i>Biopolymers</i> , 2008 , 90, 459-77	2.2	82
100	Photointermediates of the Rhodopsin S186A Mutant as a Probe of the Hydrogen-Bond Network in the Chromophore Pocket and the Mechanism of Counterion Switch. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8843-8848	3.8	22
99	G protein beta gamma subunit interaction with the dynein light-chain component Tctex-1 regulates neurite outgrowth. <i>EMBO Journal</i> , 2007 , 26, 2621-32	13	58
98	Coupling of protonation switches during rhodopsin activation. <i>Photochemistry and Photobiology</i> , 2007 , 83, 286-92	3.6	27
97	A novel interaction between atrophin-interacting protein 4 and beta-p21-activated kinase-interactive exchange factor is mediated by an SH3 domain. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28893-28903	5.4	20
96	G protein-coupled receptors self-assemble in dynamics simulations of model bilayers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10126-32	16.4	275

95	Interaction of small molecule inhibitors of HIV-1 entry with CCR5. <i>Virology</i> , 2006 , 349, 41-54	3.6	117
94	Timing is everything: Direct measurement of retinol production in cones and rods. <i>Journal of General Physiology</i> , 2006 , 128, 147-8	3.4	3
93	Curvature and hydrophobic forces drive oligomerization and modulate activity of rhodopsin in membranes. <i>Biophysical Journal</i> , 2006 , 91, 4464-77	2.9	229
92	Modulating rhodopsin receptor activation by altering the pKa of the retinal Schiff base. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10503-12	16.4	20
91	Proton movement and photointermediate kinetics in rhodopsin mutants. <i>Biochemistry</i> , 2006 , 45, 5430-9	3.2	11
90	Agonists and partial agonists of rhodopsin: retinal polyene methylation affects receptor activation. <i>Biochemistry</i> , 2006 , 45, 1640-52	3.2	44
89	Parietal-eye phototransduction components and their potential evolutionary implications. <i>Science</i> , 2006 , 311, 1617-21	33.3	97
88	Crystal structure of the SH3 domain of betaPIX in complex with a high affinity peptide from PAK2. <i>Journal of Molecular Biology</i> , 2006 , 358, 509-22	6.5	39
87	Recognition of a CXCR4 sulfotyrosine by the chemokine stromal cell-derived factor-1alpha (SDF-1alpha/CXCL12). <i>Journal of Molecular Biology</i> , 2006 , 359, 1400-9	6.5	99
86	The role of Glu181 in the photoactivation of rhodopsin. <i>Journal of Molecular Biology</i> , 2005 , 353, 345-56	6.5	92
85	The Photoreceptor Membrane as a Model System in the Study of Biological Signal Transduction. <i>Behavior Research Methods</i> , 2005 , 1, 181-206	6.1	
84	The differential sensitivity of human and rhesus macaque CCR5 to small-molecule inhibitors of human immunodeficiency virus type 1 entry is explained by a single amino acid difference and suggests a mechanism of action for these inhibitors. <i>Journal of Virology</i> , 2004 , 78, 4134-44	6.6	41
83	The state of GPCR research in 2004. <i>Nature Reviews Drug Discovery</i> , 2004 , 3, 575, 577-626	64.1	70
82	Time-resolved photointermediate changes in rhodopsin glutamic acid 181 mutants. <i>Biochemistry</i> , 2004 , 43, 12614-21	3.2	24
81	Resonance Raman analysis of the mechanism of energy storage and chromophore distortion in the primary visual photoproduct. <i>Biochemistry</i> , 2004 , 43, 10867-76	3.2	44
80	Small-molecule antagonists of CCR5 and CXCR4: a promising new class of anti-HIV-1 drugs. <i>Current Pharmaceutical Design</i> , 2004 , 10, 2041-62	3.3	75
79	Retinal counterion switch in the photoactivation of the G protein-coupled receptor rhodopsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9262-7	11.5	182
78	Analysis of the mechanism by which the small-molecule CCR5 antagonists SCH-351125 and SCH-350581 inhibit human immunodeficiency virus type 1 entry. <i>Journal of Virology</i> , 2003 , 77, 5201-8	6.6	189

77	Structure and Function of G-Protein-Coupled Receptors: Lessons from the Crystal Structure of Rhodopsin 2003 , 139-143		
76	Structure of rhodopsin and the superfamily of seven-helical receptors: the same and not the same. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 189-95	9	94
75	Rhodopsin: insights from recent structural studies. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2002 , 31, 443-84		193
74	Tyrosine sulfation of CCR5 N-terminal peptide by tyrosylprotein sulfotransferases 1 and 2 follows a discrete pattern and temporal sequence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11031-6	11.5	85
73	Interaction of A2E with model membranes. Implications to the pathogenesis of age-related macular degeneration. <i>Journal of General Physiology</i> , 2002 , 120, 147-57	3.4	79
72	Recreating a functional ancestral archosaur visual pigment. <i>Molecular Biology and Evolution</i> , 2002 , 19, 1483-9	8.3	123
71	Synthetic gene technology: applications to ancestral gene reconstruction and structure-function studies of receptors. <i>Methods in Enzymology</i> , 2002 , 343, 274-94	1.7	13
70	Roles of specific extracellular domains of the glucagon receptor in ligand binding and signaling. <i>Biochemistry</i> , 2002 , 41, 11795-803	3.2	41
69	Function of extracellular loop 2 in rhodopsin: glutamic acid 181 modulates stability and absorption wavelength of metarhodopsin II. <i>Biochemistry</i> , 2002 , 41, 3620-7	3.2	86
68	Evidence that helix 8 of rhodopsin acts as a membrane-dependent conformational switch. <i>Biochemistry</i> , 2002 , 41, 8298-309	3.2	89
67	Disruption of the alpha5 helix of transducin impairs rhodopsin-catalyzed nucleotide exchange. <i>Biochemistry</i> , 2002 , 41, 6988-94	3.2	50
66	Glucagon receptor causes glucagon-dependent activation of Erk1/2 in H22 stable cell lines 2002 , 600-601		
65	Glucagon receptor activates extracellular signal-regulated protein kinase 1/2 via cAMP-dependent protein kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10102-7	11.5	43
64	Rapid activation of transducin by mutations distant from the nucleotide-binding site: evidence for a mechanistic model of receptor-catalyzed nucleotide exchange by G proteins. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27400-5	5.4	55
63	The function of interdomain interactions in controlling nucleotide exchange rates in transducin. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23873-80	5.4	25
62	Rhodopsin: structural basis of molecular physiology. <i>Physiological Reviews</i> , 2001 , 81, 1659-88	47.9	273
61	Analysis of functional microdomains of rhodopsin. <i>Methods in Enzymology</i> , 2000 , 315, 116-30	1.7	7
60	Structural determinants of active state conformation of rhodopsin: molecular biophysics approaches. <i>Methods in Enzymology</i> , 2000 , 315, 178-96	1.7	15

59	Assays for activation of recombinant expressed opsins by all-trans-retinals. <i>Methods in Enzymology</i> , 2000 , 315, 251-67	1.7	12
58	The amino terminus of the fourth cytoplasmic loop of rhodopsin modulates rhodopsin-transducin interaction. <i>Journal of Biological Chemistry</i> , 2000 , 275, 1930-6	5.4	107
57	Specific interaction of CCR5 amino-terminal domain peptides containing sulfotyrosines with HIV-1 envelope glycoprotein gp120. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 5762-7	11.5	165
56	Mutation of the fourth cytoplasmic loop of rhodopsin affects binding of transducin and peptides derived from the carboxyl-terminal sequences of transducin alpha and gamma subunits. <i>Journal of Biological Chemistry</i> , 2000 , 275, 1937-43	5.4	134
55	A binding pocket for a small molecule inhibitor of HIV-1 entry within the transmembrane helices of CCR5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 5639-44	11.5	387
54	Selective stabilization of the high affinity binding conformation of glucagon receptor by the long splice variant of Galpha(s). <i>Journal of Biological Chemistry</i> , 2000 , 275, 21631-8	5.4	23
53	Reconstitution of the vertebrate visual cascade using recombinant heterotrimeric transducin purified from Sf9 cells. <i>Protein Expression and Purification</i> , 2000 , 20, 514-26	2	23
52	Rhodopsin activation affects the environment of specific neighboring phospholipids: an FTIR spectroscopic study. <i>Biophysical Journal</i> , 2000 , 79, 3063-71	2.9	43
51	Selective reconstitution of human D4 dopamine receptor variants with Gi alpha subtypes. <i>Biochemistry</i> , 2000 , 39, 3734-44	3.2	61
50	pH dependence of photolysis intermediates in the photoactivation of rhodopsin mutant E113Q. <i>Biochemistry</i> , 2000 , 39, 599-606	3.2	16
49	Transducin-dependent protonation of glutamic acid 134 in rhodopsin. <i>Biochemistry</i> , 2000 , 39, 10607-12	3.2	68
48	Colour tuning mechanisms of visual pigments. <i>Novartis Foundation Symposium</i> , 1999 , 224, 124-35; discussion 135-41, 181-90		8
47	Dopamine D4/D2 receptor selectivity is determined by A divergent aromatic microdomain contained within the second, third, and seventh membrane-spanning segments. <i>Molecular Pharmacology</i> , 1999 , 56, 1116-26	4.3	88
46	Two cytoplasmic loops of the glucagon receptor are required to elevate cAMP or intracellular calcium. <i>Journal of Biological Chemistry</i> , 1999 , 274, 19455-64	5.4	48
45	How color visual pigments are tuned. <i>Trends in Biochemical Sciences</i> , 1999 , 24, 300-5	10.3	178
44	Rhodopsin early receptor potential revisited. <i>Biophysical Journal</i> , 1999 , 77, 1189-91	2.9	6
43	Lipid Involment in Rhodopsin Interaction 1999 , 373-374		
42	Rhodopsin: a prototypical G protein-coupled receptor. <i>Progress in Molecular Biology and Translational Science</i> , 1998 , 59, 1-34		69

41	AMD3100, a small molecule inhibitor of HIV-1 entry via the CXCR4 co-receptor. <i>Nature Medicine</i> , 1998 , 4, 72-7	50.5	688
40	Evidence for the specific interaction of a lipid molecule with rhodopsin which is altered in the transition to the active state metarhodopsin II. <i>FEBS Letters</i> , 1998 , 436, 304-8	3.8	46
39	Spectroscopic evidence for interaction between transmembrane helices 3 and 5 in rhodopsin. <i>Biochemistry</i> , 1998 , 37, 7630-9	3.2	79
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3	Principles and Practice of SARS-CoV-2 Decontamination of N95 Masks with UV-C		2
2	Multiplexed Analysis of the Secretin-like GPCR-RAMP Interactome		3
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