

Daniel M Rosenbaum

List of Publications by Year in descending order

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31
papers

12,718
citations

331259

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433756

31
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docs citations

33
times ranked

10521
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Crystal Structure of an Engineered Human β_2 -Adrenergic G Protein-Coupled Receptor. <i>Science</i> , 2007, 318, 1258-1265.	6.0	3,112
2	The structure and function of G-protein-coupled receptors. <i>Nature</i> , 2009, 459, 356-363.	13.7	1,982
3	Crystal structure of the human β_2 adrenergic G-protein-coupled receptor. <i>Nature</i> , 2007, 450, 383-387.	13.7	1,832
4	Structure of a nanobody-stabilized active state of the β_2 adrenoceptor. <i>Nature</i> , 2011, 469, 175-180.	13.7	1,523
5	GPCR Engineering Yields High-Resolution Structural Insights into β_2 -Adrenergic Receptor Function. <i>Science</i> , 2007, 318, 1266-1273.	6.0	1,324
6	Structure and function of an irreversible agonist- β_2 adrenoceptor complex. <i>Nature</i> , 2011, 469, 236-240.	13.7	741
7	Ligand-specific regulation of the extracellular surface of a G-protein-coupled receptor. <i>Nature</i> , 2010, 463, 108-112.	13.7	432
8	High-resolution crystal structure of the human CB1 cannabinoid receptor. <i>Nature</i> , 2016, 540, 602-606.	13.7	345
9	Crystal structure of the human sterol transporter ABCG5/ABCG8. <i>Nature</i> , 2016, 533, 561-564.	13.7	233
10	Crystal structure of the human OX2 orexin receptor bound to the insomnia drug suvorexant. <i>Nature</i> , 2015, 519, 247-250.	13.7	180
11	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , 2020, 594, 3767-3775.	1.3	169
12	Structure of a D2 dopamine receptor-G-protein complex in a lipid membrane. <i>Nature</i> , 2020, 584, 125-129.	13.7	128
13	Structure of an allosteric modulator bound to the CB1 cannabinoid receptor. <i>Nature Chemical Biology</i> , 2019, 15, 1199-1205.	3.9	121
14	Structure and ligand-binding mechanism of the human OX1 and OX2 orexin receptors. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 293-299.	3.6	114
15	Ligand recognition and allosteric regulation of DRD1-Gs signaling complexes. <i>Cell</i> , 2021, 184, 943-956.e18.	13.5	94
16	Ligand modulation of sidechain dynamics in a wild-type human GPCR. <i>ELife</i> , 2017, 6, .	2.8	75
17	Crystal Structures of Human Orexin 2 Receptor Bound to the Subtype-Selective Antagonist EMPA. <i>Structure</i> , 2018, 26, 7-19.e5.	1.6	55
18	Methyl labeling and TROSY NMR spectroscopy of proteins expressed in the eukaryote <i>Pichia pastoris</i> . <i>Journal of Biomolecular NMR</i> , 2015, 62, 239-245.	1.6	42

#	ARTICLE	IF	CITATIONS
19	Structure-based development of a subtype-selective orexin 1 receptor antagonist. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18059-18067.	3.3	33
20	On the use of Pichia pastoris for isotopic labeling of human GPCRs for NMR studies. Journal of Biomolecular NMR, 2018, 71, 203-211.	1.6	31
21	Crystal structure of the human NK ₁ tachykinin receptor. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13264-13269.	3.3	30
22	Identification of a degradation signal at the carboxy terminus of SREBP2: A new role for this domain in cholesterol homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28080-28091.	3.3	21
23	Scap structures highlight key role for rotation of intertwined luminal loops in cholesterol sensing. Cell, 2021, 184, 3689-3701.e22.	13.5	18
24	Direct Demonstration That Loop1 of Scap Binds to Loop7. Journal of Biological Chemistry, 2016, 291, 12888-12896.	1.6	17
25	Transporters Revealed. Cell, 2017, 168, 951-953.	13.5	17
26	Molecular mechanism of the wake-promoting agent TAK-925. Nature Communications, 2022, 13, .	5.8	12
27	Improved strategy for isoleucine 1H/13C methyl labeling in Pichia pastoris. Journal of Biomolecular NMR, 2019, 73, 687-697.	1.6	10
28	Structure-Based Discovery of Novel Ligands for the Orexin 2 Receptor. Journal of Medicinal Chemistry, 2020, 63, 11045-11053.	2.9	9
29	Isotopic Labeling of Eukaryotic Membrane Proteins for NMR Studies of Interactions and Dynamics. Methods in Enzymology, 2019, 614, 37-65.	0.4	8
30	Molecular basis for ligand modulation of the cannabinoid CB ₁ receptor. British Journal of Pharmacology, 2022, 179, 3487-3495.	2.7	5
31	The Human Orexin/Hypocretin Receptor Crystal Structures. Current Topics in Behavioral Neurosciences, 2016, 33, 1-15.	0.8	4