

Daniel Hilger

List of Publications by Year in descending order

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236925

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43
all docs

43
docs citations

43
times ranked

6688
citing authors

#	ARTICLE	IF	CITATIONS
1	Allosteric modulation of GPCRs: From structural insights to in silico drug discovery. , 2022, 237, 108242.		15
2	The role of structural dynamics in GPCR-mediated signaling. FEBS Journal, 2021, 288, 2461-2489.	4.7	58
3	Structures of active melanocortin-4 receptor-Gs-protein complexes with NDP-MSH and setmelanotide. Cell Research, 2021, 31, 1176-1189.	12.0	40
4	Viewing rare conformations of the β_2 adrenergic receptor with pressure-resolved DEER spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31824-31831.	7.1	31
5	Structural insights into differences in G protein activation by family A and family B GPCRs. Science, 2020, 369, .	12.6	103
6	Time-resolved Conformational Analysis during GPCR-Gs Coupling. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 3-S28-3.	0.0	1
7	Structures of GTP Proteins in Complex with Their Chaperone Reveal Quality Control Mechanisms. Cell Reports, 2020, 30, 3699-3709.e6.	6.4	18
8	Conformational transitions of a neurotensin receptor-Gi1 complex. Nature, 2019, 572, 80-85.	27.8	199
9	Structural Insights into the Process of GPCR-G Protein Complex Formation. Cell, 2019, 177, 1243-1251.e12.	28.9	121
10	Assembly of a GPCR-G Protein Complex. Cell, 2019, 177, 1232-1242.e11.	28.9	163
11	Local membrane charge regulates β_2 adrenergic receptor coupling to Gi3. Nature Communications, 2019, 10, 2234.	12.8	57
12	Comparison of the functional properties of trimeric and monomeric CaiT of Escherichia coli. Scientific Reports, 2019, 9, 3787.	3.3	4
13	Structure of a Signaling Cannabinoid Receptor 1-G Protein Complex. Cell, 2019, 176, 448-458.e12.	28.9	323
14	Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. Cell, 2019, 176, 468-478.e11.	28.9	194
15	Yeast surface display platform for rapid discovery of conformationally selective nanobodies. Nature Structural and Molecular Biology, 2018, 25, 289-296.	8.2	360
16	Structure and dynamics of GPCR signaling complexes. Nature Structural and Molecular Biology, 2018, 25, 4-12.	8.2	638
17	Development of an antibody fragment that stabilizes GPCR/G-protein complexes. Nature Communications, 2018, 9, 3712.	12.8	157
18	Structural mechanisms of selectivity and gating in anion channelrhodopsins. Nature, 2018, 561, 349-354.	27.8	67

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19	Structure of the μ -opioid receptor-Gi protein complex. <i>Nature</i> , 2018, 558, 547-552.	27.8	527
20	Single-molecule analysis of ligand efficacy in β_2 -AR-G-protein activation. <i>Nature</i> , 2017, 547, 68-73.	27.8	265
21	Structural Insights into the Dynamic Process of β_2 -Adrenergic Receptor Signaling. <i>Cell</i> , 2015, 162, 1431.	28.9	8
22	Structural basis for nucleotide exchange in heterotrimeric G proteins. <i>Science</i> , 2015, 348, 1361-1365.	12.6	250
23	Structural Insights into the Dynamic Process of β_2 -Adrenergic Receptor Signaling. <i>Cell</i> , 2015, 161, 1101-1111.	28.9	562
24	Extracellular Loop 4 of the Proline Transporter PutP Controls the Periplasmic Entrance to Ligand Binding Sites. <i>Structure</i> , 2014, 22, 769-780.	3.3	19
25	Structure of active β -arrestin-1 bound to a G-protein-coupled receptor phosphopeptide. <i>Nature</i> , 2013, 497, 137-141.	27.8	393
26	The Sodium/Proline Transporter PutP of <i>Helicobacter pylori</i> . <i>PLoS ONE</i> , 2013, 8, e83576.	2.5	14
27	Initial Steps of Photosystem II de Novo Assembly and Preloading with Manganese Take Place in Biogenesis Centers in <i>Synechocystis</i> . <i>Plant Cell</i> , 2012, 24, 660-675.	6.6	86
28	The Na ⁺ /L-proline transporter PutP. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 745.	3.0	29
29	Homology Model of the Na ⁺ /Proline Transporter PutP of <i>Escherichia coli</i> and Its Functional Implications. <i>Journal of Molecular Biology</i> , 2011, 406, 59-74.	4.2	23
30	Backbone Structure of Transmembrane Domain IX of the Na ⁺ /Proline Transporter PutP of <i>Escherichia coli</i> . <i>Biophysical Journal</i> , 2009, 96, 217-225.	0.5	38
31	Function of Transmembrane Domain IX in the Na ⁺ /Proline Transporter PutP. <i>Journal of Molecular Biology</i> , 2008, 382, 884-893.	4.2	20
32	Role of Ser-340 and Thr-341 in Transmembrane Domain IX of the Na ⁺ /Proline Transporter PutP of <i>Escherichia coli</i> in Ligand Binding and Transport. <i>Journal of Biological Chemistry</i> , 2008, 283, 4921-4929.	3.4	26
33	High-Resolution Structure of a Na ⁺ /H ⁺ Antiporter Dimer Obtained by Pulsed Electron Paramagnetic Resonance Distance Measurements. <i>Biophysical Journal</i> , 2007, 93, 3675-3683.	0.5	101
34	Secondary Transport of Amino Acids in Prokaryotes. <i>Journal of Membrane Biology</i> , 2006, 213, 119-133.	2.1	17
35	DeerAnalysis2006—a comprehensive software package for analyzing pulsed ELDOR data. <i>Applied Magnetic Resonance</i> , 2006, 30, 473-498.	1.2	941
36	Assessing Oligomerization of Membrane Proteins by Four-Pulse DEER: pH-Dependent Dimerization of NhaA Na ⁺ /H ⁺ Antiporter of <i>E. coli</i> . <i>Biophysical Journal</i> , 2005, 89, 1328-1338.	0.5	133