

# Martin Gustavsson

## List of Publications by Year in descending order

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35  
papers

943  
citations

567281

15  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of CC chemokine receptor 2 with orthosteric and allosteric antagonists. <i>Nature</i> , 2016, 540, 458-461.	27.8	220
2	Allosteric regulation of SERCA by phosphorylation-mediated conformational shift of phospholamban. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17338-17343.	7.1	112
3	Structural basis of ligand interaction with atypical chemokine receptor 3. <i>Nature Communications</i> , 2017, 8, 14135.	12.8	83
4	What Do Structures Tell Us About Chemokine Receptor Function and Antagonism?. <i>Annual Review of Biophysics</i> , 2017, 46, 175-198.	10.0	81
5	cAMP-Dependent Protein Kinase A Selects the Excited State of the Membrane Substrate Phospholamban. <i>Journal of Molecular Biology</i> , 2011, 412, 155-164.	4.2	58
6	Activating and Deactivating Roles of Lipid Bilayers on the Ca <sup>2+</sup> -ATPase/Phospholamban Complex. <i>Biochemistry</i> , 2011, 50, 10367-10374.	2.5	57
7	Lipid-Mediated Folding/Unfolding of Phospholamban as a Regulatory Mechanism for the Sarcoplasmic Reticulum Ca <sup>2+</sup> -ATPase. <i>Journal of Molecular Biology</i> , 2011, 408, 755-765.	4.2	47
8	Probing ground and excited states of phospholamban in model and native lipid membranes by magic angle spinning NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 146-153.	2.6	41
9	Kinetics of CXCL12 binding to atypical chemokine receptor 3 reveal a role for the receptor N terminus in chemokine binding. <i>Science Signaling</i> , 2019, 12, .	3.6	33
10	Structures of atypical chemokine receptor 3 reveal the basis for its promiscuity and signaling bias. <i>Science Advances</i> , 2022, 8, .	10.3	31
11	Paramagnetic-Based NMR Restraints Lift Residual Dipolar Coupling Degeneracy in Multidomain Detergent-Solubilized Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2011, 133, 2232-2241.	13.7	25
12	Structures of the Excited States of Phospholamban and Shifts in Their Populations upon Phosphorylation. <i>Biochemistry</i> , 2013, 52, 6684-6694.	2.5	24
13	Crosslinking-guided geometry of a complete CXC receptor-chemokine complex and the basis of chemokine subfamily selectivity. <i>PLoS Biology</i> , 2020, 18, e3000656.	5.6	24
14	Synthesis of a-factor peptide from <i>Saccharomyces cerevisiae</i> and photoactive analogues via Fmoc solid phase methodology. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 490-497.	3.0	17
15	Production of Chemokine/Chemokine Receptor Complexes for Structural Biophysical Studies. <i>Methods in Enzymology</i> , 2016, 570, 233-260.	1.0	17
16	Tuning the structural coupling between the transmembrane and cytoplasmic domains of phospholamban to control sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase (SERCA) function. <i>Journal of Muscle Research and Cell Motility</i> , 2012, 33, 485-492.	2.0	16
17	Disulfide Trapping for Modeling and Structure Determination of Receptor. <i>Methods in Enzymology</i> , 2016, 570, 389-420.	1.0	15
18	New insights into the structure and function of chemokine receptor:chemokine complexes from an experimental perspective. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1115-1122.	3.3	12

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19	Solution NMR spectroscopy of GPCRs: Residue-specific labeling strategies with a focus on <sup>13</sup> C-methyl methionine labeling of the atypical chemokine receptor ACKR3. <i>Methods in Cell Biology</i> , 2019, 149, 259-288.	1.1	9
20	Differential activity and selectivity of N-terminal modified CXCL12 chemokines at the CXCR4 and ACKR3 receptors. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1123-1135.	3.3	9
21	Ca <sup>2+</sup> ATPase Conformational Transitions in Lipid Bilayers Mapped by Site-directed Ethylation and Solid-State NMR. <i>ACS Chemical Biology</i> , 2016, 11, 329-334.	3.4	6
22	Identification of a conserved chemokine receptor motif that enables ligand discrimination. <i>Science Signaling</i> , 2022, 15, eabg7042.	3.6	2
23	Structure of the Phospholamban/Ca <sup>2+</sup> -ATPase Complex in Lipid Bilayers by Hybrid Solid-State NMR Methods. <i>Biophysical Journal</i> , 2012, 102, 423a.	0.5	1
24	A Scintillation Proximity Assay for Real-Time Kinetic Analysis of Chemokine- Chemokine Receptor Interactions. <i>Cells</i> , 2022, 11, 1317.	4.1	1
25	Towards the Development of Rationally Designed Phospholamban Mutants For Treatment of Heart Failure. <i>Biophysical Journal</i> , 2010, 98, 47a.	0.5	0
26	Phospholamban Topology As a Regulator of Sarcoplasmic Reticulum Ca <sup>2+</sup> -ATPase Function. <i>Biophysical Journal</i> , 2010, 98, 47a.	0.5	0
27	Molecular Details of SERCA Regulation by Phospholamban Revealed by Paramagnetic Relaxation Enhancements and Solid-State NMR. <i>Biophysical Journal</i> , 2013, 104, 539a.	0.5	0
28	Solid-State NMR Structures of Phospholamban or Sarcolipin Bound to Calcium ATPase (SERCA) Reveal the Mode of Inhibition. <i>Biophysical Journal</i> , 2014, 106, 585a.	0.5	0
29	Cryo-EM Structure of Atypical Chemokine Receptor 3 (ACKR3) in Complex with its Endogenous Ligand CXCL12. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
30	Title is missing!. , 2020, 18, e3000656.		0
31	Title is missing!. , 2020, 18, e3000656.		0
32	Title is missing!. , 2020, 18, e3000656.		0
33	Title is missing!. , 2020, 18, e3000656.		0
34	Title is missing!. , 2020, 18, e3000656.		0
35	Title is missing!. , 2020, 18, e3000656.		0