Anita M Preininger

List of Publications by Year
in descending order

44 papers	1,979 citations	361413 20 h-index	330143 37 g-index
50 all docs	50 docs citations	50 times ranked	2266 citing authors

#	Article	IF	Citations
1	Insights into G Protein Structure, Function, and Regulation. Endocrine Reviews, 2003, 24, 765-781.	20.1	565
2	Mechanism of the receptor-catalyzed activation of heterotrimeric G proteins. Nature Structural and Molecular Biology, 2006, 13, 772-777.	8.2	171
3	G protein Î²Î³ directly regulates SNARE protein fusion machinery for secretory granule exocytosis. Nature Neuroscience, 2005, 8, 421-425.	14.8	154
4	Interaction of a G protein with an activated receptor opens the interdomain interface in the alpha subunit. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9420-9424.	7.1	145
5	Conformational Flexibility and Structural Dynamics in GPCR-Mediated G Protein Activation: A Perspective. Journal of Molecular Biology, 2013, 425, 2288-2298.	4.2	89
6	Biochemical Analysis of Phospholipase D. Methods in Enzymology, 2007, 434, 49-87.	1.0	86
7	Quantification of Diacylglycerol Species from Cellular Extracts by Electrospray Ionization Mass Spectrometry Using a Linear Regression Algorithm. Analytical Chemistry, 2007, 79, 263-272.	6.5	70
8	Energetic analysis of the rhodopsinâ€“G-protein complex links the Î±5 helix to GDP release. Nature Structural and Molecular Biology, 2014, 21, 56-63.	8.2	64
9	Conformational Changes in the Amino-Terminal Helix of the G Protein Î±i1Following Dissociation From GÎ²Î³ Subunit and Activation. Biochemistry, 2002, 41, 9962-9972.	2.5	60
10	Mapping allosteric connections from the receptor to the nucleotide-binding pocket of heterotrimeric G proteins. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7927-7932.	7.1	59
11	G Protein Signaling: Insights from New Structures. Science Signaling, 2004, 2004, re3-re3.	3.6	47
12	Artificial Intelligence Tool for Optimizing Eligibility Screening for Clinical Trials in a Large Community Cancer Center. JCO Clinical Cancer Informatics, 2020, 4, 50-59.	2.1	47
13	Direct Modulation of Phospholipase D Activity by GÎ²Î³. Molecular Pharmacology, 2006, 70, 311-318.	2.3	41
14	The Myristoylated Amino Terminus of GÎ±i1 Plays a Critical Role in the Structure and Function of GÎ±i1 Subunits in Solution. Biochemistry, 2003, 42, 7931-7941.	2.5	39
15	GÎ²Î³ directly modulates vesicle fusion by competing with synaptotagmin for binding to neuronal SNARE proteins embedded in membranes. Journal of Biological Chemistry, 2017, 292, 12165-12177.	3.4	32
16	Evaluation of an artificial intelligence clinical trial matching system in Australian lung cancer patients. JAMIA Open, 2020, 3, 209-215.	2.0	30
17	Irreversible Platelet Activation Requires Protease-Activated Receptor 1-Mediated Signaling to Phosphatidylinositol Phosphates. Molecular Pharmacology, 2009, 76, 301-313.	2.3	27
18	Coupling Efficiency of Rhodopsin and Transducin in Bicelles. Biochemistry, 2011, 50, 3193-3203.	2.5	25

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19	Accuracy of an Artificial Intelligence System for Cancer Clinical Trial Eligibility Screening: Retrospective Pilot Study. JMIR Medical Informatics, 2021, 9, e27767.	2.6	23
20	Helix Dipole Movement and Conformational Variability Contribute to Allosteric GDP Release in Gî±i Subunits,. Biochemistry, 2009, 48, 2630-2642.	2.5	21
21	Leveraging conversational technology to answer common COVID-19 questions. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 850-855.	4.4	21
22	Effect of an Artificial Intelligence Clinical Decision Support System on Treatment Decisions for Complex Breast Cancer. JCO Clinical Cancer Informatics, 2020, 4, 824-838.	2.1	19
23	Receptor-Mediated Changes at the Myristoylated Amino Terminus of Gî±_{il} Proteins. Biochemistry, 2008, 47, 10281-10293.	2.5	17
24	Trp fluorescence reveals an activationâ€dependent cationâ€Ï€ interaction in the Switch II region of Gî±_i proteins. Protein Science, 2009, 18, 2326-2335.	7.6	17
25	Myristoylation Exerts Direct and Allosteric Effects on Gî± Conformation and Dynamics in Solution. Biochemistry, 2012, 51, 1911-1924.	2.5	16
26	Allosteric Mechanisms of G Protein-Coupled Receptor Signaling: A Structural Perspective. Methods in Molecular Biology, 2012, 796, 133-174.	0.9	13
27	Comparison of an oncology clinical decision-support systemâ€™s recommendations with actual treatment decisions. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 832-838.	4.4	13
28	Artificial intelligence-based conversational agent to support medication prescribing. JAMIA Open, 2020, 3, 225-232.	2.0	11
29	Crystal structures of acetate kinases from the eukaryotic pathogens Entamoeba histolytica and Cryptococcus neoformans. Journal of Structural Biology, 2013, 181, 185-189.	2.8	10
30	Artificial Intelligence Clinical Evidence Engine for Automatic Identification, Prioritization, and Extraction of Relevant Clinical Oncology Research. JCO Clinical Cancer Informatics, 2021, 5, 102-111.	2.1	10
31	Linking receptor activation to changes in Sw I and II of Gî± proteins. Journal of Structural Biology, 2013, 184, 63-74.	2.8	9
32	A Transient Interaction between the Phosphate Binding Loop and Switch I Contributes to the Allosteric Network between Receptor and Nucleotide in Gî±i1. Journal of Biological Chemistry, 2014, 289, 11331-11341.	3.4	7
33	Differences in information accessed in a pharmacologic knowledge base using a conversational agent vs traditional search methods. International Journal of Medical Informatics, 2021, 153, 104530.	3.3	7
34	Embedded Mathematics in Chemistry: A Case Study of Studentsâ€™ Attitudes and Mastery. Journal of Science Education and Technology, 2017, 26, 58-69.	3.9	5
35	Use of machine learning to identify relevant research publications in clinical oncology.. Journal of Clinical Oncology, 2019, 37, 6558-6558.	1.6	3
36	A blinded evaluation of a clinical decision-support system at a regional cancer care center.. Journal of Clinical Oncology, 2019, 37, 6553-6553.	1.6	2

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37	Molecular Determinants of GPCR-G Protein Complex Formation. Biophysical Journal, 2012, 102, 31a-32a.	0.5	0
38	The crystal structure of the fast exchange mutant I56C/Q333C in GÎ± _{i1} suggests a mechanism for receptorâ€mediated allosteric nucleotide exchange. FASEB Journal, 2007, 21, A613.	0.5	0
39	Irreversible Platelet Activation Requires PAR1 Regulation of Phosphatidylinositol Phosphates (PIPns) Activation of Rap1.. Blood, 2007, 110, 3889-3889.	1.4	0
40	An intramolecular binding site for the myristoylated aminoâ€terminus of GÎ± i. FASEB Journal, 2008, 22, 812.9.	0.5	0
41	PAR1â€mediated stable platelet aggregation requires temporal regulation of Rap1 activity by phosphatidylinositol phosphates (PIPns).. FASEB Journal, 2008, 22, 646.3.	0.5	0
42	Myristoylation and its role in conformational changes associated with Galphai subunit activation. FASEB Journal, 2009, 23, 879.9.	0.5	0
43	Coupling Efficiency of Rhodopsin and Transducin in the Bicelle Mixtures. FASEB Journal, 2010, 24, 769.7.	0.5	0
44	Communicating a Nobel Signal: Exploration of the Heterotrimeric G protein. FASEB Journal, 2013, 27, lb164.	0.5	0