Naomi R Latorraca

List of Publications by Year
in descending order

26 papers	4,095 citations	304602 22 h-index	580701 25 g-index
32 all docs	32 docs citations	32 times ranked	4599 citing authors

#	Article	IF	Citations
1	GPCR Dynamics: Structures in Motion. Chemical Reviews, 2017, 117, 139-155.	23.0	561
2	Structure of the Âµ-opioid receptorâ€“Gi protein complex. Nature, 2018, 558, 547-552.	13.7	527
3	Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors. Cell, 2017, 170, 457-469.e13.	13.5	344
4	Structure of a Signaling Cannabinoid Receptor 1-G Protein Complex. Cell, 2019, 176, 448-458.e12.	13.5	323
5	Structure of the M2 muscarinic receptorâ€“Î²-arrestin complex in a lipid nanodisc. Nature, 2020, 579, 297-302.	13.7	238
6	Conformational transitions of a neurotensin receptorÂ1â€“Gi1Âcomplex. Nature, 2019, 572, 80-85.	13.7	199
7	Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. Cell, 2019, 176, 468-478.e11.	13.5	194
8	Catalytic activation of Î²-arrestin by GPCRs. Nature, 2018, 557, 381-386.	13.7	175
9	Molecular mechanism of biased signaling in a prototypical G proteinâ€“coupled receptor. Science, 2020, 367, 881-887.	6.0	168
10	Molecular mechanism of GPCR-mediated arrestin activation. Nature, 2018, 557, 452-456.	13.7	166
11	Smoothened stimulation by membrane sterols drives Hedgehog pathway activity. Nature, 2019, 571, 284-288.	13.7	154
12	Angiotensin and biased analogs induce structurally distinct active conformations within a GPCR. Science, 2020, 367, 888-892.	6.0	150
13	Mechanism of intracellular allosteric Î²2AR antagonist revealed by X-ray crystal structure. Nature, 2017, 548, 480-484.	13.7	148
14	Diverse GPCRs exhibit conserved water networks for stabilization and activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3288-3293.	3.3	116
15	How GPCR Phosphorylation Patterns Orchestrate Arrestin-Mediated Signaling. Cell, 2020, 183, 1813-1825.e18.	13.5	100
16	Structural and functional characterization of G proteinâ€“coupled receptors with deep mutational scanning. ELife, 2020, 9, .	2.8	91
17	Mechanism of Substrate Translocation in an Alternating Access Transporter. Cell, 2017, 169, 96-107.e12.	13.5	89
18	Structure and mechanism of the cationâ€“chloride cotransporter NKCC1. Nature, 2019, 572, 488-492.	13.7	89

#	Article	IF	Citations
19	Revealing Atomic-Level Mechanisms of Protein Allostery with Molecular Dynamics Simulations. PLoS Computational Biology, 2016, 12, e1004746.	1.5	85
20	G _i - and G _s -coupled GPCRs show different modes of G-protein binding. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2383-2388.	3.3	64
21	Quantitative mapping of protein-peptide affinity landscapes using spectrally encoded beads. ELife, 2019, 8, .	2.8	53
22	Membrane bending is critical for the stability of voltage sensor segments in the membrane. Journal of General Physiology, 2012, 140, 55-68.	0.9	29
23	Continuum Approaches to Understanding Ion and Peptide Interactions with the Membrane. Journal of Membrane Biology, 2014, 247, 395-408.	1.0	10
24	Mechanistic basis for ubiquitin modulation of a protein energy landscape. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
25	Molecular Mechanism of Biased Signaling in a Prototypical G-protein-coupled Receptor. Biophysical Journal, 2020, 118, 162a.	0.2	4
26	Corroleâ€“protein interactions in H-NOX and HasA. RSC Chemical Biology, 0, , .	2.0	2