Ned Van Eps

List of Publications by Year
in descending order

33 papers	3,082 citations	279487 23 h-index	414034 32 g-index
34 all docs	34 docs citations	34 times ranked	3559 citing authors

#	Article	IF	Citations
1	Genetically Encoded Quinone Methides Enabling Rapid, Site-Specific, and Photocontrolled Protein Modification with Amine Reagents. Journal of the American Chemical Society, 2020, 142, 17057-17068.	6.6	25
2	Cryo-EM structure of the native rhodopsin dimer in nanodiscs. Journal of Biological Chemistry, 2019, 294, 14215-14230.	1.6	64
3	X-ray Crystallographic Structure and Oligomerization of Gloeobacter Rhodopsin. Scientific Reports, 2019, 9, 11283.	1.6	46
4	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
5	Structure of the glucagon receptor in complex with a glucagon analogue. Nature, 2018, 553, 106-110.	13.7	109
6	A Novel Polar Core and Weakly Fixed C-Tail in Squid Arrestin Provide New Insight into Interaction with Rhodopsin. Journal of Molecular Biology, 2018, 430, 4102-4118.	2.0	7
7	Cryo-EM structure of human rhodopsin bound to an inhibitory G protein. Nature, 2018, 558, 553-558.	13.7	230
8	Conformational equilibria of light-activated rhodopsin in nanodiscs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3268-E3275.	3.3	84
9	Utilizing tagged paramagnetic shift reagents to monitor protein dynamics by NMR. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1555-1563.	1.1	4
10	Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors. Cell, 2017, 170, 457-469.e13.	13.5	344
11	Activation of the A2A adenosine G-protein-coupled receptor by conformational selection. Nature, 2016, 533, 265-268.	13.7	290
12	The guanine nucleotide exchange factor Ric-8A induces domain separation and Ras domain plasticity in GÎ±i1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1404-1409.	3.3	23
13	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. Nature, 2015, 523, 561-567.	13.7	683
14	Characterizing rhodopsin signaling by EPR spectroscopy: from structure to dynamics. Photochemical and Photobiological Sciences, 2015, 14, 1586-1597.	1.6	14
15	Rapid and Facile Recombinant Expression of Bovine Rhodopsin in HEK293S GnTIâ^' Cells Using a PiggyBac Inducible System. Methods in Enzymology, 2015, 556, 307-330.	0.4	11
16	Conformation of receptor-bound visual arrestin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18407-18412.	3.3	104
17	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.	3.3	145
18	Electron Paramagnetic Resonance Studies of Functionally Active, Nitroxide Spin-Labeled Peptide Analogues of the C-Terminus of a G-Protein Î± Subunit. Biochemistry, 2010, 49, 6877-6886.	1.2	27

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19	The Role of Arrestin Î±-Helix I in Receptor Binding. Journal of Molecular Biology, 2010, 395, 42-54.	2.0	62
20	The structure of the lipidâ€embedded potassium channel voltage sensor determined by doubleâ€electronâ€“electron resonance spectroscopy. Protein Science, 2008, 17, 506-517.	3.1	25
21	A Model for the Solution Structure of the Rod Arrestin Tetramer. Structure, 2008, 16, 924-934.	1.6	70
22	A siteâ€directed spin labeling study of arrestin conformation in solution and bound to activated rhodopsin. FASEB Journal, 2008, 22, 645.6.	0.2	0
23	Structure and function of the visual arrestin oligomer. EMBO Journal, 2007, 26, 1726-1736.	3.5	104
24	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.	3.3	59
25	Different Dark Conformations Function in Color-Sensitive Photosignaling by the Sensory Rhodopsin I-HtrI Complex. Biophysical Journal, 2007, 92, 4045-4053.	0.2	14
26	Site-directed spin labeling measurements of nanometer distances in nucleic acids using a sequence-independent nitroxide probe. Nucleic Acids Research, 2006, 34, 4722-4730.	6.5	129
27	Mechanism of the receptor-catalyzed activation of heterotrimeric G proteins. Nature Structural and Molecular Biology, 2006, 13, 772-777.	3.6	171
28	Structural and dynamical changes in an Â-subunit of a heterotrimeric G protein along the activation pathway. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16194-16199.	3.3	68
29	Structural basis of receptorâ€dependent G protein activation. FASEB Journal, 2006, 20, A918.	0.2	0
30	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.	1.2	39
31	pH Dependence of the Reduction of Dioxygen to Water by CytochromecOxidase. 2. Branched Electron Transfer Pathways Linked by Proton Transferâ€. Biochemistry, 2003, 42, 5074-5090.	1.2	23
32	pH Dependence of the Reduction of Dioxygen to Water by CytochromecOxidase. 1. ThePRState Is a pH-Dependent Mixture of Three Intermediates,A,P, andFâ€. Biochemistry, 2003, 42, 5065-5073.	1.2	27
33	A New Approach for Studying Fast Biological Reactions Involving Dioxygen:â€‰ The Reaction of Fully Reduced Cytochrome c Oxidase with O2. Biochemistry, 2000, 39, 14576-14582.	1.2	15