

# Ned Van Eps

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2001766/publications.pdf>

Version: 2024-02-01

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	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. <i>Nature</i> , 2015, 523, 561-567.	13.7	683
2	Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors. <i>Cell</i> , 2017, 170, 457-469.e13.	13.5	344
3	Activation of the A2A adenosine G-protein-coupled receptor by conformational selection. <i>Nature</i> , 2016, 533, 265-268.	13.7	290
4	Cryo-EM structure of human rhodopsin bound to an inhibitory G protein. <i>Nature</i> , 2018, 558, 553-558.	13.7	230
5	Mechanism of the receptor-catalyzed activation of heterotrimeric G proteins. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 772-777.	3.6	171
6	Interaction of a G protein with an activated receptor opens the interdomain interface in the alpha subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9420-9424.	3.3	145
7	Site-directed spin labeling measurements of nanometer distances in nucleic acids using a sequence-independent nitroxide probe. <i>Nucleic Acids Research</i> , 2006, 34, 4722-4730.	6.5	129
8	Structure of the glucagon receptor in complex with a glucagon analogue. <i>Nature</i> , 2018, 553, 106-110.	13.7	109
9	Structure and function of the visual arrestin oligomer. <i>EMBO Journal</i> , 2007, 26, 1726-1736.	3.5	104
10	Conformation of receptor-bound visual arrestin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18407-18412.	3.3	104
11	Conformational equilibria of light-activated rhodopsin in nanodiscs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3268-E3275.	3.3	84
12	A Model for the Solution Structure of the Rod Arrestin Tetramer. <i>Structure</i> , 2008, 16, 924-934.	1.6	70
13	Structural and dynamical changes in an $\hat{A}$ -subunit of a heterotrimeric G protein along the activation pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16194-16199.	3.3	68
14	G <sub>i</sub> - and G <sub>s</sub> -coupled GPCRs show different modes of G-protein binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2383-2388.	3.3	64
15	Cryo-EM structure of the native rhodopsin dimer in nanodiscs. <i>Journal of Biological Chemistry</i> , 2019, 294, 14215-14230.	1.6	64
16	The Role of Arrestin $\hat{I}$ -Helix I in Receptor Binding. <i>Journal of Molecular Biology</i> , 2010, 395, 42-54.	2.0	62
17	Mapping allosteric connections from the receptor to the nucleotide-binding pocket of heterotrimeric G proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7927-7932.	3.3	59
18	X-ray Crystallographic Structure and Oligomerization of <i>Gloeobacter</i> Rhodopsin. <i>Scientific Reports</i> , 2019, 9, 11283.	1.6	46

#	ARTICLE	IF	CITATIONS
19	The Myristoylated Amino Terminus of G $\beta$ 1 Plays a Critical Role in the Structure and Function of G $\beta$ 1 Subunits in Solution. <i>Biochemistry</i> , 2003, 42, 7931-7941.	1.2	39
20	pH Dependence of the Reduction of Dioxygen to Water by Cytochrome c Oxidase. 1. The PR State Is a pH-Dependent Mixture of Three Intermediates, A, P, and F. <i>Biochemistry</i> , 2003, 42, 5065-5073.	1.2	27
21	Electron Paramagnetic Resonance Studies of Functionally Active, Nitroxide Spin-Labeled Peptide Analogues of the C-Terminus of a G-Protein $\beta$ Subunit. <i>Biochemistry</i> , 2010, 49, 6877-6886.	1.2	27
22	The structure of the lipid-embedded potassium channel voltage sensor determined by double-electron resonance spectroscopy. <i>Protein Science</i> , 2008, 17, 506-517.	3.1	25
23	Genetically Encoded Quinone Methides Enabling Rapid, Site-Specific, and Photocontrolled Protein Modification with Amine Reagents. <i>Journal of the American Chemical Society</i> , 2020, 142, 17057-17068.	6.6	25
24	pH Dependence of the Reduction of Dioxygen to Water by Cytochrome c Oxidase. 2. Branched Electron Transfer Pathways Linked by Proton Transfer. <i>Biochemistry</i> , 2003, 42, 5074-5090.	1.2	23
25	The guanine nucleotide exchange factor Ric-8A induces domain separation and Ras domain plasticity in G $\beta$ 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1404-1409.	3.3	23
26	A New Approach for Studying Fast Biological Reactions Involving Dioxygen: The Reaction of Fully Reduced Cytochrome c Oxidase with O <sub>2</sub> . <i>Biochemistry</i> , 2000, 39, 14576-14582.	1.2	15
27	Different Dark Conformations Function in Color-Sensitive Photosignaling by the Sensory Rhodopsin I-HtrII Complex. <i>Biophysical Journal</i> , 2007, 92, 4045-4053.	0.2	14
28	Characterizing rhodopsin signaling by EPR spectroscopy: from structure to dynamics. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1586-1597.	1.6	14
29	Rapid and Facile Recombinant Expression of Bovine Rhodopsin in HEK293S GnTI <sup>-</sup> Cells Using a PiggyBac Inducible System. <i>Methods in Enzymology</i> , 2015, 556, 307-330.	0.4	11
30	A Novel Polar Core and Weakly Fixed C-Tail in Squid Arrestin Provide New Insight into Interaction with Rhodopsin. <i>Journal of Molecular Biology</i> , 2018, 430, 4102-4118.	2.0	7
31	Utilizing tagged paramagnetic shift reagents to monitor protein dynamics by NMR. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1555-1563.	1.1	4
32	Structural basis of receptor-dependent G protein activation. <i>FASEB Journal</i> , 2006, 20, A918.	0.2	0
33	A site-directed spin labeling study of arrestin conformation in solution and bound to activated rhodopsin. <i>FASEB Journal</i> , 2008, 22, 645.6.	0.2	0