

# Nipuna Weerasinghe

## List of Publications by Year in descending order

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29  
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1937685  
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all docs

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docs citations

32  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional dynamics of G-protein-coupled receptor shown by femtosecond X-ray scattering. Biophysical Journal, 2022, 121, 193a.	0.5	0
2	Activation of G-protein-coupled receptors by hydration driven sponge mechanism. Biophysical Journal, 2022, 121, 458a.	0.5	0
3	Hydration-water and membrane lipids modulate G-protein-coupled receptor activation. Biophysical Journal, 2022, 121, 457a-458a.	0.5	0
4	Modulation of GPCR Rhodopsin Function by Membrane Lipids and Water. FASEB Journal, 2022, 36, .	0.5	0
5	Extent of Internal Hydration influence the Activation of GPCR Rhodopsin. FASEB Journal, 2022, 36, .	0.5	0
6	Hydration-mediated G-protein-coupled receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117349119.	7.1	10
7	Activation of the G-Protein-Coupled Receptor Rhodopsin by Water. Angewandte Chemie - International Edition, 2021, 60, 2288-2295.	13.8	16
8	Activation of the G-Protein-Coupled Receptor Rhodopsin by Water. Angewandte Chemie, 2021, 133, 2318-2325.	2.0	3
9	Native mass spectrometry reveals the simultaneous binding of lipids and zinc to rhodopsin. International Journal of Mass Spectrometry, 2021, 460, 116477.	1.5	13
10	Ultrafast Membrane Protein Dynamics Revealed by X-Ray Scattering with a Femtosecond Free-Electron Laser. Biophysical Journal, 2021, 120, 133a.	0.5	0
11	Hydration and Protonation Effects on Activation of G-Protein-Coupled Receptors. Biophysical Journal, 2021, 120, 130a-131a.	0.5	0
12	Solvation Drives G-Protein-Coupled Receptor Activation. Biophysical Journal, 2021, 120, 128a.	0.5	0
13	Hydration Drives Activation of the G-Protein-Coupled Receptor Rhodopsin. FASEB Journal, 2021, 35, .	0.5	0
14	Membrane Lipids and Cellular Water Modulate the G-Protein-Coupled Receptor Activation. FASEB Journal, 2021, 35, .	0.5	0
15	Soft Matter Control of GPCR Function by Membrane Lipids and Water. Biophysical Journal, 2020, 118, 239a.	0.5	0
16	Water and Membrane Lipids Govern G-Protein Activation. Biophysical Journal, 2020, 118, 80a.	0.5	0
17	Investigating the Influences of Lipid Binding on Rhodopsin Activation using Native Mass Spectrometry. Biophysical Journal, 2020, 118, 17a-18a.	0.5	0
18	G-Protein-Coupled Receptors are Solvent-Swollen in the Functionally Active State. Biophysical Journal, 2020, 118, 527a.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Rhodopsin's Ultra-Fast Activation Dynamics in Bilayer and Micelle Environments. Biophysical Journal, 2020, 118, 92a.	0.5	0
20	Membrane Protein Dynamics Revealed by X-Ray Scattering with a Femtosecond Free-Electron Laser. Biophysical Journal, 2020, 118, 365a.	0.5	1
21	Modulation of GPCR Function by Membrane Lipids and Water. FASEB Journal, 2020, 34, 1-1.	0.5	0
22	Sponge Model of G-Protein Binding and Unbinding in Membranes. Biophysical Journal, 2019, 116, 176a.	0.5	0
23	Rhodopsin Hydration Dynamics Studied by Solid-State Deuterium NMR Spectroscopy. Biophysical Journal, 2019, 116, 462a-463a.	0.5	1
24	G-Protein-Coupled Receptor Activation Mediated by Internal Hydration. Biophysical Journal, 2019, 116, 207a.	0.5	4
25	Functional Water Dynamics in Rhodopsin Using Solid-State Deuterium NMR Spectroscopy. FASEB Journal, 2019, 33, 655.9.	0.5	0
26	Hydration Modulates G-Protein-Coupled Receptor Signaling. FASEB Journal, 2019, 33, 462.1.	0.5	0
27	G-Protein-Coupled Receptor Activation through Membrane Deformation. Biophysical Journal, 2018, 114, 274a.	0.5	3
28	Hydration Mediated G-Protein-Coupled Receptor Activation. FASEB Journal, 2018, 32, lb64-lb64.	0.5	1
29	Hydration Mediated G-Protein-Coupled Receptor Activation. Biophysical Journal, 2016, 110, 83a.	0.5	7