

Nipuna Weerasinghe

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

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1937685
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32
all docs

32
docs citations

32
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the G-Protein-Coupled Receptor Rhodopsin by Water. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2288-2295.	13.8	16
2	Native mass spectrometry reveals the simultaneous binding of lipids and zinc to rhodopsin. <i>International Journal of Mass Spectrometry</i> , 2021, 460, 116477.	1.5	13
3	Hydration-mediated G-protein-coupled receptor activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117349119.	7.1	10
4	Hydration Mediated G-Protein-Coupled Receptor Activation. <i>Biophysical Journal</i> , 2016, 110, 83a.	0.5	7
5	G-Protein-Coupled Receptor Activation Mediated by Internal Hydration. <i>Biophysical Journal</i> , 2019, 116, 207a.	0.5	4
6	G-Protein-Coupled Receptor Activation through Membrane Deformation. <i>Biophysical Journal</i> , 2018, 114, 274a.	0.5	3
7	Activation of the G-Protein-Coupled Receptor Rhodopsin by Water. <i>Angewandte Chemie</i> , 2021, 133, 2318-2325.	2.0	3
8	Rhodopsin Hydration Dynamics Studied by Solid-State Deuterium NMR Spectroscopy. <i>Biophysical Journal</i> , 2019, 116, 462a-463a.	0.5	1
9	G-Protein-Coupled Receptors are Solvent-Swollen in the Functionally Active State. <i>Biophysical Journal</i> , 2020, 118, 527a.	0.5	1
10	Membrane Protein Dynamics Revealed by X-Ray Scattering with a Femtosecond Free-Electron Laser. <i>Biophysical Journal</i> , 2020, 118, 365a.	0.5	1
11	Hydration Mediated G-Protein-Coupled Receptor Activation. <i>FASEB Journal</i> , 2018, 32, 1b64-1b64.	0.5	1
12	Sponge Model of G-Protein Binding and Unbinding in Membranes. <i>Biophysical Journal</i> , 2019, 116, 176a.	0.5	0
13	Soft Matter Control of GPCR Function by Membrane Lipids and Water. <i>Biophysical Journal</i> , 2020, 118, 239a.	0.5	0
14	Water and Membrane Lipids Govern G-Protein Activation. <i>Biophysical Journal</i> , 2020, 118, 80a.	0.5	0
15	Investigating the Influences of Lipid Binding on Rhodopsin Activation using Native Mass Spectrometry. <i>Biophysical Journal</i> , 2020, 118, 17a-18a.	0.5	0
16	Rhodopsin's Ultra-Fast Activation Dynamics in Bilayer and Micelle Environments. <i>Biophysical Journal</i> , 2020, 118, 92a.	0.5	0
17	Ultrafast Membrane Protein Dynamics Revealed by X-Ray Scattering with a Femtosecond Free-Electron Laser. <i>Biophysical Journal</i> , 2021, 120, 133a.	0.5	0
18	Hydration and Protonation Effects on Activation of G-Protein-Coupled Receptors. <i>Biophysical Journal</i> , 2021, 120, 130a-131a.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Solvation Drives G-Protein-Coupled Receptor Activation. Biophysical Journal, 2021, 120, 128a.	0.5	0
20	Hydration Drives Activation of the G-Protein-Coupled Receptor Rhodopsin. FASEB Journal, 2021, 35, .	0.5	0
21	Membrane Lipids and Cellular Water Modulate the G-Protein-Coupled Receptor Activation. FASEB Journal, 2021, 35, .	0.5	0
22	Functional Water Dynamics in Rhodopsin Using Solid-State Deuterium NMR Spectroscopy. FASEB Journal, 2019, 33, 655.9.	0.5	0
23	Hydration Modulates G-Protein-Coupled Receptor Signaling. FASEB Journal, 2019, 33, 462.1.	0.5	0
24	Modulation of GPCR Function by Membrane Lipids and Water. FASEB Journal, 2020, 34, 1-1.	0.5	0
25	Functional dynamics of G-protein-coupled receptor shown by femtosecond X-ray scattering. Biophysical Journal, 2022, 121, 193a.	0.5	0
26	Activation of G-protein-coupled receptors by hydration driven sponge mechanism. Biophysical Journal, 2022, 121, 458a.	0.5	0
27	Hydration-water and membrane lipids modulate G-protein-coupled receptor activation. Biophysical Journal, 2022, 121, 457a-458a.	0.5	0
28	Modulation of GPCR Rhodopsin Function by Membrane Lipids and Water. FASEB Journal, 2022, 36, .	0.5	0
29	Extent of Internal Hydration influence the Activation of GPCR Rhodopsin. FASEB Journal, 2022, 36, .	0.5	0