

Parijat Sarkar

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Azole resistance in a <i>Candida albicans</i> mutant lacking the ABC transporter CDR6/ROA1 depends on TOR signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 412-432.	1.6	42
2	Cholesterol interaction motifs in G protein-coupled receptors: Slippery hot spots?. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1481.	6.6	39
3	Structure, dynamics and lipid interactions of serotonin receptors: excitements and challenges. <i>Biophysical Reviews</i> , 2021, 13, 101-122.	1.5	36
4	A molecular sensor for cholesterol in the human serotonin $1A$ receptor. <i>Science Advances</i> , 2021, 7, .	4.7	31
5	Differential Membrane Dipolar Orientation Induced by Acute and Chronic Cholesterol Depletion. <i>Scientific Reports</i> , 2017, 7, 4484.	1.6	28
6	Exploring Endocytosis and Intracellular Trafficking of the Human Serotonin $1A$ Receptor. <i>Biochemistry</i> , 2019, 58, 2628-2641.	1.2	23
7	Phosphatidylserine decarboxylase governs plasma membrane fluidity and impacts drug susceptibilities of <i>Candida albicans</i> cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2308-2319.	1.4	21
8	Role of Actin Cytoskeleton in Dynamics and Function of the Serotonin $1A$ Receptor. <i>Biophysical Journal</i> , 2020, 118, 944-956.	0.2	18
9	Differential effects of simvastatin on membrane organization and dynamics in varying phases. <i>Chemistry and Physics of Lipids</i> , 2019, 225, 104831.	1.5	16
10	Cholesterol in GPCR Structures: Prevalence and Relevance. <i>Journal of Membrane Biology</i> , 2022, 255, 99-106.	1.0	15
11	Micellar dipole potential is sensitive to sphere-to-rod transition. <i>Chemistry and Physics of Lipids</i> , 2016, 195, 34-38.	1.5	14
12	Constrained dynamics of the sole tryptophan in the third intracellular loop of the serotonin $1A$ receptor. <i>Biophysical Chemistry</i> , 2018, 240, 34-41.	1.5	14
13	Dipolar rearrangement during micellization explored using a potential-sensitive fluorescent probe. <i>Chemistry and Physics of Lipids</i> , 2015, 191, 91-95.	1.5	13
14	Exploring membrane organization at varying spatiotemporal resolutions utilizing fluorescence-based approaches: implications in membrane biology. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11554-11563.	1.3	13
15	GFP fluorescence: A few lesser-known nuggets that make it work. <i>Journal of Biosciences</i> , 2018, 43, 421-430.	0.5	10
16	Structural Stringency and Optimal Nature of Cholesterol Requirement in the Function of the Serotonin $1A$ Receptor. <i>Journal of Membrane Biology</i> , 2020, 253, 445-457.	1.0	10
17	Chronic cholesterol depletion increases F-actin levels and induces cytoskeletal reorganization via a dual mechanism. <i>Journal of Lipid Research</i> , 2022, 63, 100206.	2.0	10
18	A collage of cholesterol interaction motifs in the serotonin $1A$ receptor: An evolutionary implication for differential cholesterol interaction. <i>Chemistry and Physics of Lipids</i> , 2019, 221, 184-192.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Insights into cellular signaling from membrane dynamics. Archives of Biochemistry and Biophysics, 2021, 701, 108794.	1.4	9
20	Cholesterol footprint in high-resolution structures of serotonin receptors: Where are we now and what does it mean?. Chemistry and Physics of Lipids, 2021, 239, 105120.	1.5	6
21	Effect of Hypoxia on the Function of the Human Serotonin _{1A} Receptor. ACS Chemical Neuroscience, 2022, 13, 1456-1466.	1.7	6
22	Cell Cycle Dependent Modulation of Membrane Dipole Potential and Neurotransmitter Receptor Activity: Role of Membrane Cholesterol. ACS Chemical Neuroscience, 2020, 11, 2890-2899.	1.7	5
23	Metabolic Depletion of Sphingolipids Reduces Cell Surface Population of the Human Serotonin _{1A} Receptor due to Impaired Trafficking. ACS Chemical Neuroscience, 2021, 12, 1189-1196.	1.7	5
24	Environment-Sensitive Fluorescence of 7-Nitrobenz-2-oxa-1,3-diazol-4-yl (NBD)-Labeled Ligands for Serotonin Receptors. Molecules, 2021, 26, 3848.	1.7	5
25	Solubilization of the serotonin 1A receptor monitored utilizing membrane dipole potential. Chemistry and Physics of Lipids, 2017, 209, 54-60.	1.5	4
26	Molecular evolution of a collage of cholesterol interaction motifs in transmembrane helix V of the serotonin _{1A} receptor. Chemistry and Physics of Lipids, 2020, 232, 104955.	1.5	4
27	Exploring Membrane Lipid and Protein Diffusion by FRAP. Springer Protocols, 2020, , 119-141.	0.1	4
28	Selectivity in agonist and antagonist binding to Serotonin _{1A} receptors via G-protein coupling. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183265.	1.4	3
29	Effect of tertiary amine local anesthetics on G protein-coupled receptor lateral diffusion and actin cytoskeletal reorganization. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183547.	1.4	3
30	GFP fluorescence: A few lesser-known nuggets that make it work. Journal of Biosciences, 2018, 43, 421-430.	0.5	3
31	Membrane Dipole Potential: An Emerging Approach to Explore Membrane Organization and Function. Journal of Physical Chemistry B, 2022, 126, 4415-4430.	1.2	3
32	Inositol Phosphoryl Transferase, Ipt1, Is a Critical Determinant of Azole Resistance and Virulence Phenotypes in Candida glabrata. Journal of Fungi (Basel, Switzerland), 2022, 8, 651.	1.5	3
33	Biophysics of Serotonin and the Serotonin _{1A} Receptor. , 2019, , 3-22.		1
34	Metabolic Depletion of Sphingolipids Does Not Alter Cell Cycle Progression in Chinese Hamster Ovary Cells. Journal of Membrane Biology, 2021, , 1.	1.0	0