

Venkata Ramana Murthy Appala

List of Publications by Year in descending order

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9
papers

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1478505

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docs citations

9
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183
citing authors

#	ARTICLE	IF	CITATIONS
1	The temperature-dependent physical state of polar lipids and their miscibility impact the topography and mechanical properties of bilayer models of the milk fat globule membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2181-2190.	2.6	46
2	Cholesterol strongly affects the organization of lipid monolayers studied as models of the milk fat globule membrane: Condensing effect and change in the lipid domain morphology. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2308-2316.	2.6	44
3	Cholesterol Decreases the Size and the Mechanical Resistance to Rupture of Sphingomyelin Rich Domains, in Lipid Bilayers Studied as a Model of the Milk Fat Globule Membrane. <i>Langmuir</i> , 2016, 32, 6757-6765.	3.5	40
4	Cholesterol induced asymmetry in DOPC bilayers probed by AFM force spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 953-959.	2.6	21
5	Palmitoyl ceramide promotes milk sphingomyelin gel phase domains formation and affects the mechanical properties of the fluid phase in milk-SM/DOPC supported membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 635-644.	2.6	15
6	Spectroscopic Ellipsometry of fluid and gel phase lipid bilayers in hydrated conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 55-61.	5.0	7
7	Bit error rate performance of underwater optical wireless communication test bed simulating the seawater conditions. <i>Optik</i> , 2022, 251, 168434.	2.9	4
8	Nano-mechanical characterization of asymmetric DLPC/DSPC supported lipid bilayers. <i>Chemistry and Physics of Lipids</i> , 2021, 234, 105007.	3.2	2
9	Interleaflet Decoupling in a Lipid Bilayer at Excess Cholesterol Probed by Spectroscopic Ellipsometry and Simulations. <i>Journal of Membrane Biology</i> , 2020, 253, 647-659.	2.1	0