

Venus S Mithu

List of Publications by Year in descending order

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35
papers

759
citations

566801

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525886

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times ranked

1116
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of POPG membranes with ionic liquids containing 1-Dodecyl-3-methylbenzimidazolium and 1-Dodecyl-1-methylmorpholinium Cations: Structural details from ^{31}P and ^2H -based solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100036.	0.5	5
2	Impact of Lipid Ratio on the Permeability of Mixed Phosphatidylcholine/Phosphatidylglycerol Membranes in the Presence of 1-Dodecyl-3-methylimidazolium Bromide Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2022, 126, 174-183.	1.2	6
3	Donepezil-Inspired Multitargeting Indanone Derivatives as Effective Anti-Alzheimer's Agents. <i>ACS Chemical Neuroscience</i> , 2022, 13, 733-750.	1.7	9
4	Role of cationic head-group in cytotoxicity of ionic liquids: Probing changes in bilayer architecture using solid-state NMR spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 954-963.	5.0	19
5	Cytotoxicity and Membrane Permeability of Double-Chained 1,3-Dialkylimidazolium Cations in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3613-3621.	1.2	14
6	Amphiphilic ionic liquid induced fusion of phospholipid liposomes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25255-25263.	1.3	15
7	Characterization of Cu^{2+} and Zn^{2+} binding sites in SUMO1 and its impact on protein stability. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 204-211.	3.6	5
8	Effect of the Alkyl Chain Length of Amphiphilic Ionic Liquids on the Structure and Dynamics of Model Lipid Membranes. <i>Langmuir</i> , 2019, 35, 12215-12223.	1.6	37
9	NMR characterization of conformational fluctuations and noncovalent interactions of SUMO protein from <i>Drosophila melanogaster</i> (dSmt3). <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 658-667.	1.5	4
10	Molecular interaction between human SUMO-I and histone like DNA binding protein of <i>Helicobacter pylori</i> (Hup) investigated by NMR and other biophysical tools. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 446-456.	3.6	16
11	Catalyst-Controlled Structural Divergence: Selective Intramolecular 7-endo-dig and 6-exo-dig Post-Ugi Cyclization for the Synthesis of Benzoxazepinones and Benzoxazinones. <i>Journal of Organic Chemistry</i> , 2018, 83, 57-68.	1.7	32
12	Modulation of hydration characteristics of carbohydrates in aqueous medium of β -amino butyric acid via volumetric, rheological and time-domain longitudinal NMR relaxation studies. <i>Journal of Molecular Liquids</i> , 2018, 249, 522-532.	2.3	2
13	Amphiphilic Ionic Liquid-Induced Membrane Permeabilization: Binding Is Not Enough. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6763-6770.	1.2	25
14	Nicotine-based surface active ionic liquids: Synthesis, self-assembly and cytotoxicity studies. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 278-289.	5.0	41
15	Metal-Free Organocatalytic Oxidative Ugi Reaction Promoted by Hypervalent Iodine. <i>Journal of Organic Chemistry</i> , 2017, 82, 5285-5293.	1.7	39
16	Curcumin Dictates Divergent Fates for the Central Salt Bridges in Amyloid- β 40 and Amyloid- β 42. <i>Biophysical Journal</i> , 2017, 112, 1597-1608.	0.2	16
17	Self-assembly of aromatic β -amino acids into amyloid inspired nano/micro scaled architects. <i>Materials Science and Engineering C</i> , 2017, 72, 590-600.	3.8	66
18	Rheological and time domain ^1H NMR relaxation studies of some polyhydroxy solutes in presence of l-glycine. <i>Journal of Chemical Thermodynamics</i> , 2016, 100, 29-43.	1.0	3

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19	Selective functionalization of methylene bridges of calix[6]arenes. Isolation and identification of stable conformers of methyl ether of p-tert-butylcalix[6]arene. <i>Chemical Communications</i> , 2015, 51, 4227-4230.	2.2	5
20	Steric Crowding of the Turn Region Alters the Tertiary Fold of Amyloid- β 18-35 and Makes It Soluble. <i>Journal of Biological Chemistry</i> , 2015, 290, 30099-30107.	1.6	12
21	A rationally designed molecule for removal of cyanide from human blood serum and cytochrome c oxidase. <i>RSC Advances</i> , 2014, 4, 61884-61890.	1.7	2
22	Curcumin Alters the Salt Bridge-containing Turn Region in Amyloid β 2(1-42) Aggregates. <i>Journal of Biological Chemistry</i> , 2014, 289, 11122-11131.	1.6	56
23	Significant Structural Differences between Transient Amyloid β Oligomers and Less Toxic Fibrils in Regions Known To Harbor Familial Alzheimer's Mutations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6888-6892.	7.2	84
24	Temperature, pH and H-bond synergism for peptide bond formation: synthesis of sequence specific tetra- and penta-peptides without using coupling reagent. <i>RSC Advances</i> , 2014, 4, 37371.	1.7	2
25	Efficient heteronuclear decoupling in MAS solid-state NMR using non-rotor-synchronized rCW irradiation. <i>Journal of Magnetic Resonance</i> , 2014, 246, 104-109.	1.2	17
26	Micellization Behavior of Morpholinium-Based Amide-Functionalized Ionic Liquids in Aqueous Media. <i>Langmuir</i> , 2014, 30, 9920-9930.	1.6	76
27	r TPPM: Towards improving solid-state NMR two-pulse phase-modulation heteronuclear dipolar decoupling sequence by refocusing. <i>Journal of Magnetic Resonance</i> , 2014, 244, 68-73.	1.2	10
28	The basic structural motif and major biophysical properties of Amyloid- β 2 are encoded in the fragment 18-35. <i>Chemical Physics</i> , 2013, 422, 80-87.	0.9	11
29	Selective inversion of ^1H resonances in solid-state nuclear magnetic resonance: Use of double-DANTE pulse sequence. <i>Journal of Magnetic Resonance</i> , 2013, 237, 11-16.	1.2	7
30	Exploring connections between phase-modulated heteronuclear dipolar decoupling schemes in solid-state NMR. <i>Chemical Physics Letters</i> , 2013, 556, 325-329.	1.2	11
31	^{13}C - ^{13}C Homonuclear Recoupling in Solid-State Nuclear Magnetic Resonance at a Moderately High Magic-Angle-Spinning Frequency. <i>PLoS ONE</i> , 2013, 8, e50504.	1.1	7
32	Efficiency of heteronuclear dipolar decoupling schemes in solid-state NMR: Investigation of effective transverse relaxation times. <i>Journal of Magnetic Resonance</i> , 2012, 220, 8-17.	1.2	11
33	Zn^{++} Binding Disrupts the Asp23-Lys28 Salt Bridge without Altering the Hairpin-Shaped Cross- β Structure of $\text{A}\beta$ 242 Amyloid Aggregates. <i>Biophysical Journal</i> , 2011, 101, 2825-2832.	0.2	55
34	Heteronuclear dipolar decoupling in solid-state nuclear magnetic resonance under ultra-high magic-angle spinning. <i>Journal of Magnetic Resonance</i> , 2011, 209, 359-363.	1.2	21
35	Efficient heteronuclear dipolar decoupling in solid-state nuclear magnetic resonance at rotary resonance conditions. <i>Journal of Magnetic Resonance</i> , 2010, 203, 199-202.	1.2	11