Venus S Mithu

List of Publications by Year
in descending order

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35	759	566801 15	525886 27
papers	citations	h-index	g-index

38	38	38	1116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significant Structural Differences between Transient Amyloidâ€Î² Oligomers and Lessâ€Toxic Fibrils in Regions Known To Harbor Familial Alzheimerâ€²s Mutations. Angewandte Chemie - International Edition, 2014, 53, 6888-6892.	7.2	84
2	Micellization Behavior of Morpholinium-Based Amide-Functionalized Ionic Liquids in Aqueous Media. Langmuir, 2014, 30, 9920-9930.	1.6	76
3	Self-assembly of aromatic Î±-amino acids into amyloid inspired nano/micro scaled architects. Materials Science and Engineering C, 2017, 72, 590-600.	3.8	66
4	Curcumin Alters the Salt Bridge-containing Turn Region in Amyloid Î²(1â€“42) Aggregates. Journal of Biological Chemistry, 2014, 289, 11122-11131.	1.6	56
5	Zn++ Binding Disrupts the Asp23-Lys28 Salt Bridge without Altering the Hairpin-Shaped Cross-Î² Structure of AÎ²42 Amyloid Aggregates. Biophysical Journal, 2011, 101, 2825-2832.	0.2	55
6	Nicotine-based surface active ionic liquids: Synthesis, self-assembly and cytotoxicity studies. Journal of Colloid and Interface Science, 2017, 496, 278-289.	5.0	41
7	Metal-Free Organocatalytic Oxidative Ugi Reaction Promoted by Hypervalent Iodine. Journal of Organic Chemistry, 2017, 82, 5285-5293.	1.7	39
8	Effect of the Alkyl Chain Length of Amphiphilic Ionic Liquids on the Structure and Dynamics of Model Lipid Membranes. Langmuir, 2019, 35, 12215-12223.	1.6	37
9	Catalyst-Controlled Structural Divergence: Selective Intramolecular 7-endo-dig and 6-exo-dig Post-Ugi Cyclization for the Synthesis of Benzoxazepinones and Benzoxazinones. Journal of Organic Chemistry, 2018, 83, 57-68.	1.7	32
10	Amphiphilic Ionic Liquid-Induced Membrane Permeabilization: Binding Is Not Enough. Journal of Physical Chemistry B, 2018, 122, 6763-6770.	1.2	25
11	Heteronuclear dipolar decoupling in solid-state nuclear magnetic resonance under ultra-high magic-angle spinning. Journal of Magnetic Resonance, 2011, 209, 359-363.	1.2	21
12	Role of cationic head-group in cytotoxicity of ionic liquids: Probing changes in bilayer architecture using solid-state NMR spectroscopy. Journal of Colloid and Interface Science, 2021, 581, 954-963.	5.0	19
13	Efficient heteronuclear decoupling in MAS solid-state NMR using non-rotor-synchronized rCW irradiation. Journal of Magnetic Resonance, 2014, 246, 104-109.	1.2	17
14	Curcumin Dictates Divergent Fates for the Central Salt Bridges in Amyloid- Î² 40 and Amyloid- Î² 42. Biophysical Journal, 2017, 112, 1597-1608.	0.2	16
15	Molecular interaction between human SUMO-I and histone like DNA binding protein of Helicobacter pylori (Hup) investigated by NMR and other biophysical tools. International Journal of Biological Macromolecules, 2019, 123, 446-456.	3.6	16
16	Amphiphilic ionic liquid induced fusion of phospholipid liposomes. Physical Chemistry Chemical Physics, 2020, 22, 25255-25263.	1.3	15
17	Cytotoxicity and Membrane Permeability of Double-Chained 1,3-Dialkylimidazolium Cations in Ionic Liquids. Journal of Physical Chemistry B, 2021, 125, 3613-3621.	1.2	14
18	Steric Crowding of the Turn Region Alters the Tertiary Fold of Amyloid-Î²18â€“35 and Makes It Soluble. Journal of Biological Chemistry, 2015, 290, 30099-30107.	1.6	12

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19	Efficient heteronuclear dipolar decoupling in solid-state nuclear magnetic resonance at rotary resonance conditions. Journal of Magnetic Resonance, 2010, 203, 199-202.	1.2	11
20	Efficiency of heteronuclear dipolar decoupling schemes in solid-state NMR: Investigation of effective transverse relaxation times. Journal of Magnetic Resonance, 2012, 220, 8-17.	1.2	11
21	The basic structural motif and major biophysical properties of Amyloid-Î² are encoded in the fragment 18â€“35. Chemical Physics, 2013, 422, 80-87.	0.9	11
22	Exploring connections between phase-modulated heteronuclear dipolar decoupling schemes in solid-state NMR. Chemical Physics Letters, 2013, 556, 325-329.	1.2	11
23	r TPPM: Towards improving solid-state NMR two-pulse phase-modulation heteronuclear dipolar decoupling sequence by refocusing. Journal of Magnetic Resonance, 2014, 244, 68-73.	1.2	10
24	Donepezil-Inspired Multitargeting Indanone Derivatives as Effective Anti-Alzheimerâ€™s Agents. ACS Chemical Neuroscience, 2022, 13, 733-750.	1.7	9
25	Selective inversion of 1H resonances in solid-state nuclear magnetic resonance: Use of double-DANTE pulse sequence. Journal of Magnetic Resonance, 2013, 237, 11-16.	1.2	7
26	13C-13C Homonuclear Recoupling in Solid-State Nuclear Magnetic Resonance at a Moderately High Magic-Angle-Spinning Frequency. PLoS ONE, 2013, 8, e50504.	1.1	7
27	Impact of Lipid Ratio on the Permeability of Mixed Phosphatidylcholine/Phosphatidylglycerol Membranes in the Presence of 1-Dodecyl-3-methylimidazolium Bromide Ionic Liquid. Journal of Physical Chemistry B, 2022, 126, 174-183.	1.2	6
28	Selective functionalization of methylene bridges of calix[6]arenes. Isolation and identification of stable conformers of methyl ether of p-tert-butylcalix[6]arene. Chemical Communications, 2015, 51, 4227-4230.	2.2	5
29	Characterization of Cu2+ and Zn2+ binding sites in SUMO1 and its impact on protein stability. International Journal of Biological Macromolecules, 2020, 151, 204-211.	3.6	5
30	Interaction of POPG membranes with ionic liquids containing 1-Dodecyl-3-methylbenzimidazolium and 1-Dodecyl-1-methylmorpholinium Cations: Structural details from 31P and 2H-based solid-state NMR spectroscopy. Journal of Magnetic Resonance Open, 2022, 10-11, 100036.	0.5	5
31	NMR characterization of conformational fluctuations and noncovalent interactions of SUMO protein from Drosophila melanogaster (dSmt3). Proteins: Structure, Function and Bioinformatics, 2019, 87, 658-667.	1.5	4
32	Rheological and time domain 1H NMR relaxation studies of some polyhydroxy solutes in presence of l-glycine. Journal of Chemical Thermodynamics, 2016, 100, 29-43.	1.0	3
33	A rationally designed molecule for removal of cyanide from human blood serum and cytochrome c oxidase. RSC Advances, 2014, 4, 61884-61890.	1.7	2
34	Temperature, pH and H-bond synergism for peptide bond formation: synthesis of sequence specific tetra- and penta-peptides without using coupling reagent. RSC Advances, 2014, 4, 37371.	1.7	2
35	Modulation of hydration characteristics of carbohydrates in aqueous medium of Î³-amino butyric acid via volumetric, rheological and time-domain longitudinal NMR relaxation studies. Journal of Molecular Liquids, 2018, 249, 522-532.	2.3	2