

Meena Bisht

List of Publications by Year in descending order

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papers

697
citations

471061

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521
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#	ARTICLE	IF	CITATIONS
1	Unveiling the potential of water as a co-solvent in microwave-assisted delignification of sugarcane bagasse using ternary deep eutectic solvents. <i>Bioresource Technology</i> , 2022, 351, 127005.	4.8	28
2	Cholinium-Based Ionic Liquids as Efficient Media for Improving the Structural and Thermal Stability of Immunoglobulin G Antibodies. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5404-5420.	3.2	13
3	Presenting B-DNA as macromolecular crowding agent to improve efficacy of cytochrome c under various stresses. <i>International Journal of Biological Macromolecules</i> , 2022, 215, 184-191.	3.6	8
4	Assessing the Compatibility of Mono-, Di-, and Tri-Cholinium Citrate Ionic Liquids for the Stability and Activity of β -Chymotrypsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4812-4822.	3.2	7
5	Protein-olive oil-in-water nanoemulsions as encapsulation materials for curcumin acting as anticancer agent towards MDA-MB-231 cells. <i>Scientific Reports</i> , 2021, 11, 9099.	1.6	21
6	Engineering Cytochrome C with Quantum Dots and Ionic Liquids: A Win-Win Strategy for Protein Packaging against Multiple Stresses. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8327-8335.	3.2	11
7	Enhanced solubility and improved stability of curcumin in novel water-in-deep eutectic solvent microemulsions. <i>Journal of Molecular Liquids</i> , 2021, 339, 117037.	2.3	15
8	Exploring the Counteracting and Refolding Ability of Choline-Based Ionic Liquids toward Crowding Environment-Induced Changes in HSA Structure. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 422-437.	3.2	7
9	Uncovering the potential of aqueous solutions of deep eutectic solvents on the extraction and purification of collagen type I from Atlantic codfish (<i>Gadus morhua</i>). <i>Green Chemistry</i> , 2021, 23, 8940-8948.	4.6	20
10	Tweaking Behavior of Hydrogen Bond Donor in Choline Chloride-Based Deep Eutectic Solvents for Regulating the Phase Transition of Poly(<i>N</i> -vinylcaprolactam): A Sustainable Medium for an Early Hydrophobic Collapse. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14335-14344.	3.2	14
11	Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16073-16081.	3.2	23
12	Multifunctional solvothermal carbon derived from alginate using "water-in-deep eutectic solvents"™ for enhancing enzyme activity. <i>Chemical Communications</i> , 2020, 56, 9659-9662.	2.2	21
13	Expanding the Potential Role of Deep Eutectic Solvents toward Facilitating the Structural and Thermal Stability of β -Chymotrypsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10151-10160.	3.2	40
14	Engineering Quantum Dots with Ionic Liquid: A Multifunctional White Light Emitting Hydrogel for Enzyme Packaging. <i>Advanced Optical Materials</i> , 2020, 8, 1902022.	3.6	16
15	Designing biological fluid inspired molecularly crowded ionic liquid media as a sustainable packaging platform for cytochrome c. <i>Chemical Communications</i> , 2019, 55, 5747-5750.	2.2	18
16	Nanomaterials for Removal of Toxic Metals Ions from the Water. <i>Advanced Structured Materials</i> , 2019, , 159-174.	0.3	2
17	Exploring the Effect of Choline-Based Ionic Liquids on the Stability and Activity of Stem Bromelain. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10435-10444.	1.2	28
18	Does choline-based amino acid ionic liquid behave as a biocompatible solvent for stem bromelain structure?. <i>Process Biochemistry</i> , 2018, 74, 77-85.	1.8	25

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19	Effect of Imidazolium-Based Ionic Liquids on the Structure and Stability of Stem Bromelain: Concentration and Alkyl Chain Length Effect. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7522-7529.	1.2	18
20	Direct conversion of lignocellulosic biomass to biomimetic tendril-like functional carbon helices: a protein friendly host for cytochrome C. <i>Green Chemistry</i> , 2018, 20, 3711-3716.	4.6	19
21	Biocompatibility of ionic liquids towards protein stability: A comprehensive overview on the current understanding and their implications. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 611-651.	3.6	83
22	Influence of cholinium-based ionic liquids on the structural stability and activity of α -chymotrypsin. <i>New Journal of Chemistry</i> , 2017, 41, 13902-13911.	1.4	55
23	Long-term protein packaging in cholinium-based ionic liquids: improved catalytic activity and enhanced stability of cytochrome c against multiple stresses. <i>Green Chemistry</i> , 2017, 19, 4900-4911.	4.6	83
24	The Role of Ionic Liquids in Protein Folding/Unfolding Studies. , 2017, , .		1
25	Refolding effects of partially immiscible ammonium-based ionic liquids on the urea-induced unfolded lysozyme structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12419-12422.	1.3	27
26	Comprehensive Evaluation of Biomolecular Interactions between Protein and Amino Acid Based Ionic Liquids: A Comparable Study between [Bmim][Br] and [Bmim][Gly] Ionic Liquids. <i>ChemistrySelect</i> , 2016, 1, 3510-3519.	0.7	32
27	Does 1-Allyl-3-methylimidazolium chloride Act as a Biocompatible Solvent for Stem Bromelain?. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5625-5633.	1.2	19
28	Exploring the structure and stability of amino acids and glycine peptides in biocompatible ionic liquids. <i>RSC Advances</i> , 2016, 6, 18763-18777.	1.7	13
29	Analysis of the driving force that rule the stability of lysozyme in alkylammonium-based ionic liquids. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 1074-1081.	3.6	30