

CSIR-CLRI Publications for the period MAY 2023 (Indexed in SCI-Expanded)

MAY 2023

SL. NO	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Singh, F; Vijayan, V; Sreekumar, S; Kiran, MS	Hennotannic acid stabilised collagen bio-matrix for aberrant wound healing applications	<i>Materials Letters</i>	338				2023	10.1016/j.matlet.2023.134032
2.	Mukherjee, S; Shanmugam, G	A Novel Surfactant with Short Hydrophobic Head and Long Hydrophilic Tail Generates Vesicles with Unique Structural Feature	<i>Small</i>	19	19			2023	10.1002/smll.202206906
3.	Krishnamoorthy, R; Singh, M; Anaikutti, P; Paul, LE; Dhanasekaran, S; Sathiah, T	Design and synthesis of novel N-terminal peptides of integrin and aminopeptidase are new finding for anticancer activity	<i>Bioorganic Chemistry</i>	134				2023	10.1016/j.bioorg.2023.106434
4.	Selvakumar, G; Lonchin, S	A bio-polymeric scaffold incorporated with p-Coumaric acid enhances diabetic wound healing by modulating MMP-9 and TGF-β3 expression	<i>Colloids and Surfaces B-Biointerfaces</i>	225				2023	10.1016/j.colsurfb.2023.113280
5.	Devarajan, K; Sivakalai, M; Basu, SM; Biswas, C; Chauhan, M; Hasan, U; Panneerselvam, Y; Narayanan, UM; Raavi, SSK; Giri, J; Panda, TK	Design and synthesis of photostable triphenylamine based neutral AIE nano luminogens: specific and long-term tracking of mitochondria in cells	<i>Biomaterials Science</i>	11	11	3938	3951	2023	10.1039/d3bm00043e

6.	Servarayan, KL; Krishnamoorthy, G; Sundaram, E; Karuppusamy, M; Murugan, M; Piraman, S; Vasantha, VS	Optical Immunosensor for the Detection of <i>Listeria monocytogenes</i> in Food Matrixes	<i>ACS Omega</i>	8	18	15979	15989	2023	10.1021/acsomega.2c07848
7.	Niklesh, C; Jayakumar, GC; Aaron, KP	Studies on the Correlation between Surface and Sewability Properties of Crust Leather	<i>Journal of the American Leather Chemists Association</i>	118	5	175	182	2023	
8.	Narayanan, P; Sethurajan, S; Vedhanayagam, M; Sreeram, KJ	A Rapid Quantification of Hydroxyproline in Leather using High-Performance Liquid Chromatography - Fluorescence Detection (HPLC-FLD) Method	<i>Journal of the American Leather Chemists Association</i>	118	5	183	192	2023	
9.	Kamble, GS; Natarajan, TS; Patil, SS; Thomas, M; Chougale, RK; Sanadi, PD; Siddharth, US; Ling, YC	BiVO ₄ As a Sustainable and Emerging Photocatalyst: Synthesis Methodologies, Engineering Properties, and Its Volatile Organic Compounds Degradation Efficiency	<i>Nanomaterials</i>	13	9			2023	10.3390/nano13091528
10.	Karuppusamy, M; Panneer, SVK; Jennifer, GA; Varathan, E; Ravva, MK; Subramanian, V	Structure-aromaticity-spectroscopy relationship in conjugated polymers	<i>Theoretical Chemistry Accounts</i>	142	5			2023	10.1007/s00214-023-02989-8
11.	Smile, SS; Athira, M; Harichandran, G; Shanmugam, P	Synthesis of Blue Emissive Quaternary 9,9-Disubstituted <i>N</i> -Methyl-7-azaindole-Appended (Phenylethynyl)-fluorene Derivatives	<i>ACS Omega</i>	8	19	17043	17052	2023	10.1021/acsomega.3c01255

12.	Reddy, MK; Shalini, PJ; Lobo, NP; Roy, A; Narasimhaswamy, T	Direct method to grasp molecular topology of mesogens through ¹³ C- ¹ H dipolar couplings	<i>Physical Chemistry Chemical Physics</i>	25	20	14158	14169	2023	10.1039/d3cp00291h
13.	Raju, A; Samanta, D; Rajendrakumar, K	A Review of Recent Advances in the Development of Superhydrophobicity over Various Substrate Surfaces Using Polymers	<i>Chemistryselect</i>	8	17			2023	10.1002/slct.202204262
14.	Fozia, S; Hassan, A; Reshi, SA; Singh, P; Bhat, GA; Dixit, M; Dar, MA	Boosting CO ₂ Activation and Reduction by Engineering the Electronic Structure of Graphitic Carbon Nitride through Transition Metal-Free Single-Atom Functionalization	<i>Journal of Physical Chemistry C</i>	127	25	11911	11920	2023	10.1021/acs.jpcc.3c00387
15.	Krishnamoorthy, R; Adhikari, P; Anaikutti, P	Design, synthesis, and characterization of non-hemolytic antimicrobial peptides related to human cathelicidin LL-37	<i>RSC Advances</i>	13	23	15594	15605	2023	10.1039/d3ra02473c
16.	Prapanchan, VN; Kumar, E; Subramani, T; Sathya, U; Li, PY	A Global Perspective on Microplastic Occurrence in Sediments and Water with a Special Focus on Sources, Analytical Techniques, Health Risks, and Remediation Technologies	<i>Water</i>	15	11			2023	10.3390/w15111987
17.	Prapanchan, VN; Sathya, U; Srihari, S; Kavitha, S; IndhiyaSelvan, VN; Subramani, T	Abundance of microplastics in urban lakes of Chennai, India and their possible health risks	<i>Urban Climate</i>	49				2023	10.1016/j.uclim.2023.101548

*PD=Date of Publication; PY=Year of Publication; Vol=Volume; IS=Issue; BP=Beginning Page Number; EP=Ending Page Number, DOI=Digital Object Identifier