

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

JUNE 2023

SL. NO.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Sindhuja, PP; Panda, A; Velappan, V; Panda, RC	Disturbance-observer-based finite time sliding mode controller with unmatched uncertainties utilizing improved cubature Kalman filter	<i>Transactions of the Institute of Measurement and Control</i>	45	9	1795	1812	2023	10.1177/01423312221140507
2.	Ramanathan, G; Jeyakumar, GFS; Sivagnanam, UT; Fardim, P	Biomimetic cellulose/collagen/silk fibroin as a highly interconnected 3D hybrid matrix for bone tissue engineering	<i>Process Biochemistry</i>	129		150	158	2023	10.1016/j.procbio.2023.03.018
3.	Esackraj, K; Nulakani, NVR; Choutipalli, VSK; Chowdhury, C; Murugan, P; Vaidyanathan, VG; Subramanian, V	Acetylene-Mediated Borophosphene Dirac Materials as Efficient Anode Materials for Lithium-Ion Batteries	<i>Chemphyschem</i>	24	11			2023	10.1002/cphc.202300035
4.	Usharani, N; Naha, A; Anbarasu, A; Ramaiah, S; Kanth, SV; Natarajan, S	Green synthesis and characterization of water soluble nanocarnosine: A prospective drug delivery system	<i>Applied Materials Today</i>	32				2023	10.1016/j.apmt.2023.101812
5.	Veeraprakash, B; Pratap, G; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	Influence of the Thiophene Ring on the Molecular Order of Structurally Simple π -Conjugated Smectogens: ¹³ C NMR Study	<i>Chemphyschem</i>	24	12			2023	10.1002/cphc.202300074
6.	Natarajan, P; Chandrababu, P;	Tungsten-based activated carbon matrix for the	<i>Carbon Letters</i>	33	4	1115	1132	2023	10.1007/s42823-023-00506-2

	Karmegam, PM; Madasamy, J; Somasundaram, S	catalytic oxidation of model volatile organic compounds (VOCs) and pharmaceutical VOCs from wastewater							
7.	Thada, RR; Debata, M; Mandal, S; Gunasekaran, D; Mohan, VD; Chandrasekaran, N; Sivagnanam, UT	In vitro and ex vivo characterization of nanonized amniotic membrane particles: An untapped modality for ocular surface reconstruction	<i>Experimental Eye Research</i>	231				2023	10.1016/j.exer.2023.109471
8.	Rajendran, SK; Siddiq, AM; Alam, MS	The physicochemical and thermophysical properties of sodium dodecyl sulfate: The influence of p-toluene sulfonyl chloride and temperature	<i>Journal o the Indian Chemical Society</i>	100	6			2023	10.1016/j.jics.2023.101012
9.	Sheyara, RTB; Ramar, P; Satheeshkumar, M; Kumar, BVNP; Samanta, D	Transparent Superhydrophobic Coatings of Silica Nanoparticles Using Functionalized Polyurethanes	<i>Chemistry-An Asian Journal</i>	18	11			2023	10.1002/asia.202201166
10.	Manimegalai, NP; Sivagnanam, UT	A QUANTITATIVE TACK ON THE NANO CONSTRUCT FOR THE MODULATION OF INFLAMMATORY CYTOKINES IN BURN SCARS	<i>Tissue Engineering Part A</i>	29	11-12	507	508	2023	
11.	Sathish, M; Thanikaivelan, P; Sarkar, N; Aravindhan, R; Rao, JR	Effect of Acid Swelling and Its Impact on the Properties of Cow Industrial Glove Leathers	<i>Journal of the American Leather Chemists Association</i>	118	6	235	244	2023	
12.	Sahu, B; Sharma, DD; Sekar, Y; Bhallad, A; Alla, JP	The Kinetic Study on Potassium Persulfate Accelerated Fish Oil Oxidation -An Agreeing	<i>Journal of the American Leather Chemists Association</i>	118	6	253	262	2023	

		Conclusion on Chamois Tanning							
13.	Gupta, N; Kanungo, S; Behere, RP; Singh, P; Kanungo, S; Dixit, M; Chakraborty, C; Kuila, BK	Side-Chain Modification in Conjugated Polymer Frameworks for the Electrocatalytic Oxygen Evolution Reaction	<i>ACS Applied Materials & Interfaces</i>	15	24	2904 2	2905 1	2023	10.1021/acsami.3c02726
14.	Veeraprakash, B; Boopathi, AA; Lobo, NP; Roy, A; Ramanathan, KV; Narasimhaswamy, T	¹³ C Nuclear Magnetic Resonance Investigations of Molecular Mesogens with a Terminal Phenyl Ring Linked via a Spacer: Odd-Even Effect	<i>Langmuir</i>					2023	10.1021/acs.langmuir.3c00680
15.	Ramar, P; Suprajaa, P; Lobo, NP; Sampath, S; Samanta, D	Polyphenyltriazoles on Kombucha-Derived Bacterial Cellulose: Synthesis, Structural Evaluation and Hydrophobicity	<i>Chemistryselect</i>	8	23			2023	10.1002/slct.202301420
16.	Boopathi, AA; Lobo, NP; Mishra, VD; Roy, A; Narasimhaswamy, T	Molecular organization and molecular order of two rod-like smectogens in mesophases	<i>Liquid Crystals</i>					2023	10.1080/02678292.2023.2227956
17.	Zhang, XT; Li, CH; Zhou, ZM; Liu, B; Zhang, YB; Yang, M; Gao, T; Liu, MZ; Zhang, NQ; Said, Z; Sharma, S; Ali, HM	Vegetable Oil-Based Nanolubricants in Machining: From Physicochemical Properties to Application	<i>Chinese Journal of Mechanical Engineering</i>	36	1			2023	10.1186/s10033-023-00895-5

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