

CSIR-CLRI PUBLICATIONS INDEXED IN SCI-E FOR THE PERIOD OF NOVEMBER 2025

NOVEMBER 2025

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1.	Karim, A; Malekshah, RE; Swaminathan, S; Haribabu, J; Subarkhan, MKM; Arulraj, A; Moraga, D; Santibanez, JF; Oyarzún, DP; Jeyalakshmi, K; Romero, FG; Hsu, SCN	Synthesis, structural elucidation, and anticancer mechanisms of Pd (II)-acylthiourea complex: An integrated experimental and theoretical investigation	<i>Inorganic Chemistry Communications</i>	2025	181				10.1016/j.inoche.2025.115128
2.	Pranathy, K; Pathmanapan, S; Ganesan, P; Anandasadagopan, SK	Biofabricated genistein incorporated collagen scaffold for enhanced mineralization with refined osteogenic efficacy	<i>Journal of Bioactive and Compatible Polymers</i>	2025	40	05-Jun	459	479	10.1177/08839115251359662
3.	Veeraprakash, B; Reddy, MK; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	¹³ C NMR Studies and Orientational Order of Mesogens With Thiophene and Dimethylamino in Terminal Position	<i>Magnetic Resonance in Chemistry</i>	2025	63	11	864	877	10.1002/mrc.70021
4.	Kalangali, VH; China, CR; Kanth, SV; Njau, KN	Optimizing Natural Dye Extraction from the Bark of <i>Bridelia micrantha</i> for Dyeing Vegetable-Tanned Leather Using Statistical Modeling	<i>Fibers and Polymers</i>	2025	26	11	4917	4931	10.1007/s12221-025-01126-5
5.	Kumar, B	NMR Approaches to Study Drug-Surfactant Interactions: Insights From	<i>Magnetic Resonance in Chemistry</i>	2025	63	11	994	1015	10.1002/mrc.70030

		NOE, Relaxometry and Diffusometry							
6.	Nataraj, G; Bansal, D; Chandran, R; Sarkar, S; Das, MK; Chaudhuri, S	CB ₄ as an Efficient Halogen Bond Donor Catalyst in Pictet-Spengler Cyclizations: A Metal-Free Approach to the Synthesis of Benzazepinoindoles and Tetrahydro- β -carboline	<i>Chemistry-An Asian Journal</i>	2025	20	22			10.1002/asia.70280
7.	Gogula, SK; Gangadharappa, VA; Singh, P; Jayaraman, VK; Dixit, M; Prakash, AS	Moisture and air-stable cation disordered O ₃ -type layered cathodes for sodium-ion batteries: experimental and first-principles study	<i>Journal of Materials Chemistry A</i>	2025	13	44	38335	38349	10.1039/d5ta05874k
8.	Vaishali, M; Sreeram, KJ	Controlled aminolysis of multilayer polyurethane composites for sustainable upcycling into waterborne polyurethane emulsions	<i>Journal of Materials Chemistry A</i>	2025	13	44	38194	38208	10.1039/d5ta05214a
9.	Philips, DS; Ghosh, S; Saeki, A; Ajayaghosh, A	Structural Tweaking of Zwitterionic Metallosupramolecular Assemblies for Intense NIR Emission and High Charge Carrier Mobility	<i>Angewandte Chemie-International Edition</i>	2025	64	46			10.1002/anie.202516126
10.	Borah, RK; Palliyarayil, A; Vernekar, AA	Nature-Inspired Multifunctional Nano-Microreactors: Pd Nanoclusters-Integrated Bioengineered Skin Channels for Effectively Overcoming Product Inhibition and Hydrogen	<i>Small</i>	2025	21	45			10.1002/smll.202507222

		Adherence Challenges During Hydrogen Production							
11.	Shyamsundar, K; Helen Kalavathy, M; Panda, R	Ionic Liquid-Enhanced Solvent-Based Fractional Crystallization for Separation of Fatty Acids From Tallow fat-A Modelling Approach	<i>Asia-Pacific Journal of Chemical Engineering</i>	2025	20	6			10.1002/apj.70115
12.	Balasubramanian, S; Dayanidhi, D; Velmurugan, H; Rajkumar, K; Bhoopalan, R; Vasagam, SN; Ganesan, VV	Predictive Modeling of DNA Damage Outcomes: Classification of Mutational Determinants Using Augmented Machine Learning Techniques	<i>Chemical Research in Toxicology</i>	2025	38	11	1856	1870	10.1021/acs.chemrestox.5c00137
13.	Anbarasu, S; Sheyara, RTB; Lobo, NP; Samanta, D	Self-Forming Spray-Coated Fibrous Polyurethane with Silica: Superhydrophobicity with Superior Waterproofing and Water-Vapor Permeability	<i>ACS Applied Polymer Materials</i>	2025	7	21	14148	14159	10.1021/acsapm.5c02301
14.	Unnikrishnan, AC; Parthiban, H; Shanmugam, G	Self-disassembling supramolecular hydrogel from functionalized ultrashort peptides without external stimuli	<i>Soft Matter</i>	2025	21	45	8624	8628	10.1039/d5sm00900f
15.	Nair, VV; Esackraj, K; Subramanian, V; Sekar, G	Development of Cationic Enantioselective Domino Carbopalladation/C(sp ³)-Pd Capture Using N-Tosylhydrazones as Diazo Precursors	<i>Organic Letters</i>	2025	27	44	12356	12362	10.1021/acs.orglett.5c03985
16.	Sundarapandian, A; Pachaiyappan, M; Aarthi, M; Jangra, S; Shanmugam, G;	Self-Assembling Synthetic Congener Collagen Mini-Fibrils With Genetically Encoded Hydroxyproline	<i>Journal Of Biomedical Materials Research Part A</i>	2025	113	11			10.1002/jbm.a.38014

	Anandasadagopan, SK; Jaganathan, M; Ayyadurai, N	and 3,4- Dihydroxyphenylalanine for Wound Healing							
17.	Arumugam, M; Subha, N; Sankar, AR; Natarajan, TS; Yang, HH	Layered double hydroxide materials based next- generation photocatalytic system for CO2 reduction and H2 production applications	<i>Flatchem</i>	2025	54				10.1016/j.flatc.2025.100947

* PY*=Published Year, Vol*=Volume, Is*=Issue, BP*=Beginning Page, EP=Ending Page, Dol*=Digital Object Identifier.