

CSIR-CLRI Publications of Early Access 2025 (Indexed in SCI-Expanded)

JANUARY – MAY 2025

SL. No.	AUTHOR	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Padmashrija, AJC; Kannadasan, S; Shanmugam, P	Synthesis of Indenoquinoxalinone-5-(furano, pyrano, and oxepino)spiro Ethers from Alkenylated Propargyl Ethers of Indenoquinoxalinone via Ring-Closing Enyne Metathesis	<i>Synlett</i>					2025	10.1055/a-2489-7403
2.	Rajagopalan, P; Saravanan, S; Ranganathan, M; Sreeram, KJ; Gopal, S	Fluorescence Enhanced Water-Soluble Ruthenium Complex: Advancing Precision in Cr(VI) Detection and Quantification	<i>Journal of Fluorescence</i>					2025	10.1007/s10895-025-04150-z
3.	Srinivasan, P; Jayakumar, GC; Madhan, B	Pretreatment of skins with masked silicates for low-pollution emission tanning technology	<i>Clean Technologies and Environmental Policy</i>					2025	10.1007/s10098-025-03133-9
4.	Bansal, D; Sivaganesan, P; Elanchezhian, C; Nataraj, G; Das, MK; Chaudhuri, S	Pentafluorophenol-Catalyzed Metal-Free Fischer Indole Synthesis: A Novel Approach to Carbazole Derivatives and Desbromoarborescidine A	<i>Chemistry-Asian Journal</i>					2025	10.1002/asia.202500246
5.	Kartik, R; Muthusamy, S; Shelly, K; Surendiran, M	Chemical Modifications of Chitin and Chitosan Fibers and Filaments: A Review	<i>Macromolecular Chemistry and Physics</i>					2025	10.1002/macp.202400422
6.	Rahaman, SN; Lishadevi, M; Anandasadagopan, SK	Unraveling the Molecular Mechanisms of Osteoarthritis: The Potential of Polyphenols as Therapeutic Agents	<i>Phytotherapy Research</i>					2025	10.1002/ptr.8455

7.	Gogoi, A; Dixit, M; Pal, S	Modelling an Fe-III High-Valent Pincer-type Transition Metal Complex for Dehydrogenation of Ammonia-Borane	<i>Chemistry-An Asian Journal</i>					2025	10.1002/asia.202401976
8.	Sivaganesan, P; Bansal, D; Elanchezhian, C; Nataraj, G; Das, MK; Chaudhuri, S	Synthesis of Dihydrobenzazepinoindoles via an Oxidative Pictet-Spengler Reaction	<i>Asian Journal of Organic Chemistry</i>					2025	10.1002/ajoc.202500327
9.	Rao, PM; Karmakar, J; Pal, U; Sen, D; Sarkar, J	Recent Advances in Acrylate-Based Smart Hydrogels: Synthesis, Applications, and Future Directions	<i>Macromolecular Chemistry and Physics</i>					2025	10.1002/macp.202400539
10.	Vinayagam, M; Babu, RS; Sivasamy, A; de Barros, ALF	Enhanced capacitive performances of polypyrrole with integration of biomass derived activated carbon for supercapacitors	<i>Ionics</i>					2025	10.1007/s11581-025-06322-0
11.	Chowdhury, C	Quantum support vector classifier for phase diagram prediction in quinary systems	<i>Materials Horizons</i>					2025	10.1039/d5mh00027k
12.	Sivaganesan, P; Bansal, D; Nazar, NA; Das, MK; Chaudhuri, S	A Transition Metal-Free Strategy for Dihydrobenzazepinoindole via KI-Mediated Oxidative Pictet-Spengler Reaction	<i>Chemistry-An Asian Journal</i>					2025	10.1002/asia.202500498
13.	Ravindran, B; Chang, SW; Maragathavalli, S; Kim, SS; Karmegam, N; Dowlath, MJH; Rajabathar, J; Al-Lohedan, H; Maharaja, P; Thamaraiselvi, C	Synergistic effects of biochar and the importance of feedstock composition during co-composting food waste and livestock manure	<i>Carbon Letters</i>					2025	10.1007/s42823-025-00913-7

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