

CSIR-CLRI Publications for the period DECEMBER 2022 (Indexed in SCI-Expanded)

DECEMBER 2022

SL. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Unnikrishnan, AC; Shanmugam, G	Isotope-edited vibrational circular dichroism study reveals a flexible N-terminal structure of islet amyloid peptide (NFGAIL) in amyloid fibril form: A site-specific local structural analysis	JOURNAL OF STRUCTURAL BIOLOGY	DEC	2022	214	4			10.1016/j.jsb.2022.107910
2	Kanemoto, SO; Gouthaman, S; Venkatesh, M; Yona, AMC; Ndikontar, MK; Lakshmi, MS	Thermal stability of phosphorus-based epoxy/clay composites and its effect on flame-retardation properties of leather	IRANIAN POLYMER JOURNAL	DEC	2022	31	12	1583	1594	10.1007/s13726-022-01100-5
3	Banerjee, K; Radhakrishnan, J; Ayyadurai, N; Ganesan, P; Kamini, NR	Advances in neoteric modular tissue engineering strategies for regenerative dentistry	JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES	DEC	2022	7	4			10.1016/j.jsamd.2022.100491
4	Sharma, R; Venkatesan, N; Fathima, NN	Engineered leathers for extreme cold weather application	MATERIALS LETTERS	DEC 15	2022	329				10.1016/j.matlet.2022.133166
5	Sujiritha, PB; Vikash, VL; Antony, GS;	Valorization of tannery solid wastes for sustainable	CHEMOSPHERE	DEC	2022	308				10.1016/j.chemosphere.2022.136533

	Ponesakki, G; Ayyadurai, N; Nakashima, K; Kamini, NR	enzyme induced carbonate precipitation process								
6	Athira, M; Shanmugam, P	BF ₃ OEt ₂ catalysed synthesis of diverse 9 fluorenlidene appended indole-1- oxides and spiro[fluorene-9,10'- indeno[1,2-b]indol]- 5'-yl) ethanones from 9-(phenylethynyl)- fluoren-9-ol and nitrosobenzene	TETRAHEDRON LETTERS	DEC 7	2022	112				10.1016/j.tetlet.2022 .154218
7	Saravanaraj, A; Sivanesh, NE; Anusha, SM; Surianarayanan, M	Metabolic behaviour of Halomanas variabilis in a bio- reaction calorimeter during batch production of extracellular polymeric substances	BIOCHEMICAL ENGINEERING JOURNAL	DEC 15	2022	188				10.1016/j.bej.2022.1 08684
8	Borah, RK; Fatrekar, AP; Bakre, P; Tilve, SG; Vernekar, AA	Fe hotspots in the Ni- Ni ₃ B nanocatalyst unravel remarkable cooperativity to boost hydrogen production from ammonia borane with enzyme- like catalysis	JOURNAL OF MATERIALS CHEMISTRY A	DEC 13	2022	10	48	25490	25499	10.1039/d2ta05465e
9	Duraisamy, DK; Sureshbhai, PD; Saveri, P;	A "self-shrinking" supramolecular hydrogel with a 3D shape memory	CHEMICAL COMMUNICATIO NS	DEC 1	2022	58	96	13377	13380	10.1039/d2cc05507 d

	Deshpande, AP; Shanmugam, G	performance from an unnatural amino acid derivative								
10	Hithamani, G; Ganesan, P	Polyphenols from Indian cereal grains inhibit 3T3-L1 adipogenesis through modulating early and late phase adipogenic markers	FOOD BIOSCIENCE	DEC	2022	50				10.1016/j.fbio.2022. 102075

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