

**CSIR-CLRI Publications for the period MAY 2021
(Indexed in SCI-Expanded)**

MAY 2021

SI. No	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Dayanidhi, PD; Vaidyanathan, VG	Structural insights into the recognition of DNA defects by small molecules	DALTON TRANSACTIONS	7-May	2021	50	17	5691	5712	10.1039/d0dt04289g
2	Xavier, J; Patnaik, SK; Panda, RC	Nonlinear Measure for Nonlinear Dynamic Processes Using Convergence Area: Typical Case Studies	JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS	1-May	2021	16	5			10.1115/1.4050553
3	Kumar, SA; Gouthaman, S; Shankar, JS; Periyasamy, BK; Nayak, SK	Stable and color tunable MEH-PPV/PMMA polymer blends for light-emitting applications	CHEMICAL PHYSICS LETTERS	MAY	2021	770				10.1016/j.cplett.2021.138462
4	Das, I; Das, S; Das, S; Ghangrekar, MM	Proficient Sanitary Wastewater Treatment in Laboratory and Field-Scale Microbial Fuel Cell with Anti-Biofouling Cu _{0.5} Mn _{0.5} Fe ₂ O ₄ as Cathode Catalyst	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1-May	2021	168	5			10.1149/1945-7111/abfe77

5	Gheware, A; Panda, L; Khanna, K; Bhatraju, NK; Jain, V; Sagar, S; Kumar, M; Singh, VP; Kannan, S; Subramanian, V; Mukerji, M; Agrawal, A; Prasher, B	Adhatoda vasica rescues the hypoxia- dependent severe asthma symptoms and mitochondrial dysfunction	AMERICAN JOURNAL OF PHYSIOLOGY- LUNG CELLULAR AND MOLECULAR PHYSIOLOGY	MAY	2021	320	5	L757	L769	10.1152/ajplung.00511. 2020
6	Indumathy, M; Sobana, S; Panda, RC	Modelling of fouling in a plate heat exchanger with high temperature pasteurisation process	APPLIED THERMAL ENGINEERING	5-May	2021	189				10.1016/j.applthermale ng.2021.116674
7	Thiruselvi, D; Kumar, PS; Kumar, MA; Lay, CH; Aathika, S; Mani, Y; Jagadiswary, D; Dhanasekaran, A; Shanmugam, P; Sivanesan, S; Show, PL	A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	5-May	2021	46	31	16734	16750	10.1016/j.ijhydene.202 0.10.023
8	Basivi, PK; Ramesh, S; Kakani, V; Yadav, HM; Bathula, C; Afsar, N;	Ultrasonication- mediated nitrogen- doped multiwalled carbon nanotubes involving carboxy methylcellulose	SCIENTIFIC REPORTS	10-May	2021	11	1			10.1038/s41598-021- 89430-x

	Sivasamy, A; Kim, HS; Pasupuleti, VR; Lee, H	composite for solid-state supercapacitor applications								
9	Pradeep, S; Sathish, M; Sreeram, KJ; Rao, JR	Melamine-Based Polymeric Crosslinker for Cleaner Leather Production	ACS OMEGA	25-May	2021	6	20	12965	12976	10.1021/acsomega.0c05668
10	Vedhanayagam, M; Raja, IS; Molkenova, A; Atabaev, TS; Sreeram, KJ; Han, DW	Carbon Dots-Mediated Fluorescent Scaffolds: Recent Trends in Image-Guided Tissue Engineering Applications	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	MAY	2021	22	10			10.3390/ijms22105378
11	Manjubala, I; Akila, R; Priya, G; Anitha, R; Madhan, B; Narendrakumar, U	Fabrication of biocomposite sheets from silk cocoons for tissue engineering applications	INTERNATIONAL JOURNAL OF NANOTECHNOLOGY	8-May	2021	18		561	571	10.1504/IJNT.2021.116174

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