

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

**JANUARY 2022**

| SL. No. | AUTHORS                                             | TITLE                                                                                                            | SOURCE                                               | PD*    | PY*  | VL* | IS* | BP* | EP* | DOI*                          |
|---------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------|------|-----|-----|-----|-----|-------------------------------|
| 1       | Sivakumar, V;<br>Mohan, R                           | Measurement and mapping of cavitation energy in leather and Material Processing vessels using an ultrasonic horn | APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING     | JAN    | 2022 | 128 | 1   |     |     | 10.1007/s00339-021-04977-w    |
| 2       | Choutipalli, VSK;<br>Esackraj, K;<br>Subramanian, V | Nitrogen Fixation at the Edges of Boron Nitride Nanomaterials: Synergy of Doping                                 | FRONTIERS IN CHEMISTRY                               | JAN 21 | 2022 | 9   |     |     |     | 10.3389/fchem.2021.799903     |
| 3       | Gorli, VNR;<br>Srinivasan, R                        | Synthesis of dihydro-2H-spiro [acenaphthylene-1,3 '-pyrazole]: An approach toward apixaban moiety                | SYNTHETIC COMMUNICATIONS                             | JAN 17 | 2022 | 52  | 2   | 280 | 290 | 10.1080/00397911.2021.2023574 |
| 4       | Sathish, M;<br>Aravindhan, R; Rao, JR               | Salt-free Chromium Tanning: Practical Approaches                                                                 | JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION | JAN    | 2022 | 117 | 1   | 3   | 9   |                               |
| 5       | Rajendran, SK;<br>Mondal, JH; Alam, MS              | Influence of an anionic hydrotrope on thermophysical properties of an anionic surfactant sodium dodecyl sulfate  | CHEMICAL PHYSICS LETTERS                             | JAN    | 2022 | 787 |     |     |     | 10.1016/j.cplett.2021.139239  |

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|----|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------|------|-----|---|------|------|--------------------------------|
| 6  | Kariuki, PN; Arjunan, Y; Nagarajan, U; Kanth, SV                                       | The combined effect of thermal-acid hydrolysis, periodate oxidation, and iodine species removal on the properties of native tapioca (Manihot esculenta Crantz) starch | INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES | JAN 31 | 2022 | 196 |   | 107  | 119  | 10.1016/j.ijbiomac.2021.11.211 |
| 7  | Ayyappan, VG; Vhatkar, SS; Bose, S; Sampath, S; Das, SK; Samanta, D; Mandal, AB        | Incorporations of gold, silver and carbon nanomaterials to kombucha-derived bacterial cellulose: Development of antibacterial leather-like materials                  | JOURNAL OF THE INDIAN CHEMICAL SOCIETY             | JAN    | 2022 | 99  | 1 |      |      | 10.1016/j.jics.2021.100278     |
| 8  | Ghosh, S; Tsutsui, Y; Kawaguchi, T; Matsuda, W; Nagano, S; Suzuki, K; Kaji, H; Seki, S | Band-like Transport of Charge Carriers in Oriented Two-Dimensional Conjugated Covalent Organic Frameworks                                                             | CHEMISTRY OF MATERIALS                             | JAN 25 | 2022 | 34  | 2 | 736  | 745  | 10.1021/acs.chemmater.1c03533  |
| 9  | Shivarudrappa, AH; Sharan, K; Ponesakki, G                                             | Lutein activates downstream signaling pathways of unfolded protein response in hyperglycemic ARPE-19 cells                                                            | EUROPEAN JOURNAL OF PHARMACOLOGY                   | JAN 5  | 2022 | 914 |   |      |      | 10.1016/j.ejphar.2021.174663   |
| 10 | Smile, SS; Novanna, M; Kannadasan, S; Shanmugam, P                                     | DMSO-allyl bromide: a mild and efficient reagent for atom economic one-pot N-allylation and bromination of 2                                                          | RSC ADVANCES                                       | JAN 5  | 2022 | 12  | 3 | 1834 | 1839 | 10.1039/d1ra08588c             |

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|----|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------|------|----|---|----|----|-------------------------|
|    |                                                                   | degrees-aryl amines, 2-aryl aminoamides, indoles and 7-aza indoles                                                                                                                                      |                        |       |      |    |   |    |    |                         |
| 11 | Sharma, S; Patyal, V; Sudhakara, P; Singh, J; Petru, M; Ilyas, RA | Mechanical, morphological, and fracture-deformation behavior of MWCNTs-reinforced (Al-Cu-Mg-T351) alloy cast nanocomposites fabricated by optimized mechanical milling and powder metallurgy techniques | NANOTECHNOLOGY REVIEWS | JAN 1 | 2022 | 11 | 1 | 65 | 85 | 10.1515/ntrev-2022-0005 |

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