

IndiRAM Bibliography

1. Polydopamine decorated MoS₂ nanosheet based electrochemical immunosensor for sensitive detection of SARS-CoV-2 nucleocapsid protein in clinical samples, *Journal of Materials Chemistry B*: DOI: 10.1039/d2tb01409b (IF ~ 7.7)
2. Unusual nanoscale piezoelectricity-driven high current generation from a self S-defect neutralized few-layered MoS₂ nanosheet-based flexible nanogenerator, *Nanoscale*, 2022, 14, 12885 (IF ~ 8.3)
3. Exploring carbon quantum dots as an aqueous electrolyte for energy storage devices, *Journal of Energy Storage*, 55, 2022, 105522. (IF ~ 8.9)
4. Temperature-controlled exfoliation of graphite oxide: studies of defects and transport properties of graphene oxide, *Mater. Res. Express* 9 (2022) 054001 (IF ~ 1.9)
5. A Comprehensive Review on 3D Printing of sp² Carbons: Materials, Properties, and Applications. *New Carbon Materials*, doi: 10.1016/S1872-5805(22)60651-6 (IF ~ 3.7)
6. Release of microplastics from disposable face mask in tropical climate, *Regional Studies in Marine Science* 61 (2023) 102847 (IF~ 2.1)
7. Bio-inspired polynorepinephrine based nanocoatings for reduced graphene oxide/gold nanoparticles composite for high-performance biosensing of *Mycobacterium tuberculosis*, *Environmental Research* 227 (2023) 115684 (IF ~8.3)
8. Internet-of-medical-things integrated point-of-care biosensing devices for infectious diseases: Toward better preparedness for futuristic pandemics, *Bioeng Transl Med.* 2023;e10481. (IF~7.0)
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13. An insight into the role of carbon dots in the agriculture system: a review, *Environ. Sci.: Nano*, 2023, 10, 959 (IF ~ 9.473)
14. rGO supported cobalt-manganese based nanocomposite with improved electrochemical water oxidation catalysis, *J Mater Sci Metals & corrosion* (IF ~ 4.5)
15. Additive manufacturing of graphene reinforced 316L stainless steel composites with tailored microstructure and mechanical properties, *Materials Chemistry and Physics*, (IF ~ 4.77)
16. Single point mutations at the S129 residue of α -synuclein and their effect on structure, aggregation, and neurotoxicity, *Front. Chem.*, 26 May 2023, Sec. Chemical Biology