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Government of India
Bhabha Atomic Research Centre

JOURNAL PUBLICATIONS 2022



BARC VISTA

JOURNAL PUBLICATIONS

1. 1,3 dialkylated imidazolium ionic liquid causes interdigitated domains in a phospholipid membrane. Gupta R., Sharma V.K., Gupta J., Ghosh S.K. *Langmuir*. Vol. 38 (11), pp.3412-3421. (2022).
2. ^{177}Lu -DOTATATE PRRT for multiple unusual metastatic sites in neuroendocrine tumor. Parghane R.V., Basu S. *Clinical Nuclear Medicine*. Vol. 47 (10), pp.874-875. (2022).
3. 1D/2D hybrid Te/Graphene and Te/MoS₂: Multifaceted broadband photonics and green-energy applications. Maji T.K., Vaibhav K., Delin A., Eriksson O., Karmakar D. *ACS Applied Materials and Interfaces*. Vol. 14 (45), pp.51449-51458. (2022).
4. ^{222}Rn measurements in drinking water and annual effective dose for the adult population around a coal-based and atomic power plant in Uttar Pradesh, India. Kumar M., Kumar P., Agrawal A., Sahoo B.K. *Journal of Radioanalytical and Nuclear Chemistry*. Vol. 331 (2), pp.715-726. (2022).
5. $^{28}\text{Si}(p,p'\gamma)^{28}\text{Si}$ nuclear reaction in the detection and depth profiling of Si in materials. Sunitha Y., Reddy G.L.N., Kumar S. *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*. Vol. 527, pp.12-16. (2022).
6. 2D CoFe-LDH nanosheet-incorporated 1D microfibers as a high-performance OER electrocatalyst in neutral and alkaline media. Nagappan S., Karmakar A., Madhu R., Selvasundarasekar S.S., Kumaravel S., Bera K., Dhandapani H.N., Sarkar D., Yusuf S.M., Kundu S. *ACS Applied Energy Materials*. Vol. 5 (9), pp.11483-11497. (2022).
7. 2D hetero-nanoconstructs of black phosphorus for breast cancer theragnosis: Technological advancements. Soman S., Kulkarni S., Pandey A., Dhas N., Subramanian S., Mukherjee A., Mutalik S. *Biosensors*. Vol. 12 (11), Art.No. 1009. (2022).

8. 3,3'-Diselenodipropionic acid immobilised gelatin gel: a biomimic catalytic nitric oxide generating material for topical wound healing application. Das R.P., Singh B.G., Aishwarya J., Kumbhare L.B., Kunwar A. *Biomaterials Science*. Vol. 11 (4), pp.1437-1450. (2022).
9. 3,3'-diselenodipropionic acid (DSePA) forms 1:1 complex with Hg (II) and prevents oxidative stress in cultured cells and mice model. Deshmukh Y., Gandhi V.V., Singh B.G., Kumbhare L.B., Debnath A.K., Kunwar A. *Journal of Inorganic Biochemistry*. Vol. 226, Art.No. 111638. (2022).
10. 68Ga-DOTATATE PET/CT imaging in endogenous hyperinsulinemic hypoglycemia: A tertiary endocrine centre experience. Shah R., Sehemby M., Garg R., Purandare N., Hira P., Mahajan A., Lele V., Malhotra G., Verma P., Rojekar A., Dalvi A., Uchino S., Rastogi S., Lila A., Patil V., Shah N., Bandgar T. *Clinical Endocrinology*. Vol. 96 (2), pp.190-199. (2022).
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