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Last five years publication list:

1. Das, Abinash, P. Mathan Kumar, Muthuraaman Bhagavathiachari, and Ranjith G. Nair. "Hierarchical ZnO-TiO₂ nanoheterojunction: A strategy driven approach to boost the photocatalytic performance through the synergy of improved surface area and interfacial charge transport." *Applied Surface Science* 534 (2020): 147321.
2. Sankar, V. D., Soma, B., Gopal, P. R., Muthuraaman, B., Muralidhar, M., Masato, M., ... & Shubra, S. (2020). Nitrogen Incorporated Photoactive Brownmillerite Ca₂Fe₂O₅ for Energy and Environmental Applications. *Scientific Reports (Nature Publisher Group)*, 10(1).
3. Harichandran, G., Radha, S., Yesuraj, J., & Muthuraaman, B. (2020). Facile Synthesis and Characterization of Cu₃(MoO₄)₂(OH)₂ Nanorods for High Performance Supercapacitor Electrode Application. *ChemistrySelect*, 5(35), 11037-11047.
4. Yesuraj, J., Elanthamilan, E., Muthuraaman, B., Suthanthiraraj, S. A., & Merlin, J. P. (2019). Bio-assisted Hydrothermal Synthesis and Characterization of MnWO₄ Nanorods for High-Performance Supercapacitor Applications. *Journal of Electronic Materials*, 48(11), 7239-7249.
5. Ganesan, S., Mathew, V., Rathika, R., Muthuraaman, B., Maruthamuthu, P., Suthanthiraraj, S. A., & Kim, J. (2018). Low-cost tetra ethylene glycol derivatives in polymer blend electrolytes for dye-sensitized solar cells with high photovoltaic conversion efficiencies. *Materials Science and Engineering: B*, 229, 37-43.
6. Yesuraj, J., Viswanathan Elumalai, Muthuraaman Bhagavathiachari, Austin Suthanthiraraj Samuel, Elanthamilan Elaiyappillai, and Princy Merlin Johnson. "A facile sonochemical assisted synthesis of α -MnMoO₄/PANI nanocomposite electrode for supercapacitor applications." *Journal of Electroanalytical Chemistry* 797 (2017): 78-88.
7. Pandurangan, Prabhu, Thansila Nainar Parvin, Bhuvaneswari Soundiraraju, Yesuraj Johnbosco, Manikanadan Ramalingam, Muthuraaman Bhagavathiachari, Samuel

Austin Suthanthiraraj, and Sangilimuthu Sriman Narayanan. "Ultrasmall NiO nanoclusters modified with conical Ni (ii)-SR staples for high performance supercapacitor applications." *New Journal of Chemistry* 41, no. 14 (2017): 6127-6136.

8. Bhagavathiachari, Muthuraaman, Viswanathan Elumalai, Jiajia Gao, and Lars Kloo. "Polymer-Doped Molten Salt Mixtures as a New Concept for Electrolyte Systems in Dye-Sensitized Solar Cells." *ACS omega* 2, no. 10 (2017): 6570-6575.
9. Sangamithirai, D., Narayanan, V., Muthuraaman, B., & Stephen, A. (2015). Investigations on the performance of poly (o-anisidine)/graphene nanocomposites for the electrochemical detection of NADH. *Materials Science and Engineering: C*, 55, 579-591.