

List of Publication

1. Neeraj Kumar Mishra, Rakesh Mondal, Preetam Singh, Synthesis, characterizations and electrochemical performances of anhydrous CoC_2O_4 nanorods for pseudocapacitive energy storage applications, RSC Adv. 2021, 11, 33926-33937
2. Neeraj Kumar Mishra, Abhijeet Kumar Singh, Rakesh Mondal, Preetam Singh, $\text{NiC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$ Nanoflakes: A Novel Redox-mediated Intercalative Pseudocapacitive Electrode for Supercapacitor Applications in Aqueous KOH and Neutral Na_2SO_4 electrolytes, Chemistry Select - Wiley Online Library - Chemistry Europe, 7, 2, 2022, e202201134
3. Neeraj Kumar Mishra, Rakesh Mondal, Thandavarayan Maiyalagan, Preetam Singh, Synthesis, Characterizations, and Electrochemical Performances of Highly Porous, Anhydrous $\text{Co}_{0.5}\text{Ni}_{0.5}\text{C}_2\text{O}_4$ for Pseudocapacitive Energy Storage Applications, ACS Omega 2022, 7, 2, 1975–1987
4. Rakesh Mondal, Neeraj Kumar Mishra, Thandavarayan Maiyalagan, Asha Gupta, and Preetam Singh, $\text{La}_{1-x}\text{K}_x\text{FeO}_{3-\delta}$: An Anion Intercalative Pseudocapacitive Electrode for Supercapacitor Application, ACS Omega 2021, 6, 45, 30488–30498
5. Saurabh Kumar, R Ranjeeth, Neeraj Kumar Mishra, Rajiv Prakash, Preetam Singh, NASICON-structured $\text{Na}_3\text{Fe}_2\text{PO}_4(\text{SO}_4)_2$: a potential cathode material for rechargeable sodium-ion batteries, Dalton Trans., 2022, 51, 5834-5840
6. Rakesh Mondal, Neeraj Kumar Mishra, Krishna, Gopal Nigam Asha Gupta, and Preetam Singh, Anhydrous NiC_2O_4 Quantum dots: A superior pseudocapacitive electrode for large scale energy storage applications in aqueous KOH and neutral Na_2SO_4 electrolyte – under review

7. Rakesh Mondal , Neeraj Kumar Mishra , Mahatim Singh , Asha Gupta , and Preetam Singh, Asha La_{1-x}K_xCoO_{3-δ} (0≤x≤0.5) Perovskite: A Novel Bifunctional OER/ORR catalyst and Supercapacitive Energy Storage Material in Neutral Na₂SO₄ Electrolyte“ under review

International/National Conferences Attended :

1. 1st World Conference on Solid Electrolyte for Advanced Application: Garnet and Competitors|| organized by Pondicherry university India during 6-9 September 2017.
2. 3rd National Conference on Materials for Energy Conversion and Storage (MECS 2018) by IIT (BHU) Varanasi, India during 18- 20, October 2018.
3. The International conference on Beyond Fossil Fuels:The Future of Alternative Energy Technologies [B:FAT 2020] by IIT (BHU) Varanasi, India during 23-25, July 2022.