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List of Publications:

1. **Bishnu Pada Majee**, Shanu Mishra, Rajiv Kumar Pandey, Rajiv Prakash and Ashish Kumar Mishra*, Multifunctional Few-Layer MoS₂ for Photodetection and SERS Application with Ultrasensitive and Repeated Detectability, **Journal of Physical Chemistry C**, **123**, (2019), **18071-18078**.
2. **Bishnu Pada Majee**, Bhawna, Ankita Singh, Rajiv Prakash, and Ashish Kumar Mishra*, Large Area Vertically Oriented Few-Layer MoS₂ for Efficient Thermal Conduction and Optoelectronic Applications, **Journal of Physical Chemistry Letters**, **11**, (2020), **1268-1275**.
3. **Bishnu Pada Majee**, Vishal Srivastav and Ashish Kumar Mishra*, Surface-Enhanced Raman Scattering Detection Based on an Interconnected Network of Vertically Oriented Semiconducting Few-Layer MoS₂ Nanosheets. **ACS Applied Nano Materials**, **3**, (2020), **4851-4858**.
4. **Bishnu Pada Majee**, Jay Deep Gupta, Abhishek Sanskrityayn and Ashish Kumar Mishra*, Thermal Sensitive Quantum and Phonon Confinement in Semiconducting Triangular Shaped MoS₂. **Journal of Physical Chemistry C**, **125**, (2021), **14865-14873**.
5. **Bishnu Pada Majee** and Ashish Kumar Mishra*, Recent Advances in Photodetection Applications of Two Dimensional MoS₂ Nanostructures, **Journal of Metallurgy and Materials Science**, **62**, (2020), **131-160**.
6. **Bishnu Pada Majee**, Bhawna and Ashish Kumar Mishra*, Bi-functional ZnO Nanoparticles as a Reusable SERS Substrate for Nano-molar Detection of Organic Pollutants, **Materials Research Express**, **6**, (2019), **1250j-8**.
7. Shaun Mishra, **Bishnu Pada Majee**, Prince Kumar Maurya and Ashish Kumar Mishra*, Multifunctional Low Temperature Reduced Graphite Oxides for High Performance Supercapacitors and SERS Applications, **Materials Research Express**, **6**, (2019), **085527-085535**.
8. Bhawna, **Bishnu Pada Majee**, Vishal Choudhary, Rajiv Prakash and Ashish Kumar Mishra*, Hydrothermally Grown ZnO Nanoparticles for Photodegradation of Textile Dye, **AIP Conference Proceedings**, **2100** (2019) **020073-020078**.
9. **Bishnu Pada Majee** and Ashish Kumar Mishra*, Angle Resolved SERS Study of Horizontally Grown Triangular Bi-Layer MoS₂ for Detection of R6G Molecule (To be submitted).

Book Chapter:

1. **Bishnu Pada Majee** and Ashish Kumar Mishra*, **Chapter 7: Fundamentals and Applications of Surface Enhanced Raman Spectroscopy**, **Book: Modern Techniques of Spectroscopy: Basic, Instrumentation, and Applications**, **Publisher: Nature Springer** (2021), **ISBN 978-981-33-6083-9**, **Pages: 185-208**, **DOI: 10.1007/978-981-33-6084-6_7**.