

PUBLICATIONS

Ravi K. Biroju*, Bhanu Chandra Marepally, Pariksha Malik, Soumen Dhara, Gengan Saravanan, Dipak Maity, Tharangattu N. Narayanan and P. K. Giri "Surface-Enhanced Raman Scattering from Defect Engineered CVD Graphene Physically Functionalized with Plasmonic Au, Ag and Cu Nanoparticles" (*ACS Omega* 2023, 8, 4344-4356, [10.1021/acsomega.2c07706](https://doi.org/10.1021/acsomega.2c07706)), IF: 4.132

Ravi K. Biroju*, Patrick Harrison, Wolfgang Theis, Neil Vaughan Rees, Rahul Sharma, Tharangattu N. Narayanan and Myung Gwan Hahn "Pt147 Size Selected Platinum Nanoclusters Soft Landed on WS-2 Nanosheets" (*ACS Appl. Nano Mater.* 2021, <https://doi.org/10.1021/acsnm.1c02683>; A cover art associated to this work has been selected as a Front Cover for a future issue of *ACS Applied Nano Materials*), IF: 5.096

Balakrishna Ananthoju, Ravi K. Biroju, Wolfgang Theis and Robert A. W. Dryfe "Controlled Electrodeposition of Gold: Maximization Defect-Enhanced Raman Scattering Response" (*Small* 2019, 1901555). IF: 11.459

Ravi K. Biroju, Deya Das, Rahul Sharma, Shubhadeep Pal, Larionette P. L. Mawlong, Kapil Bhorkar, Abhishek K. Singh, P. K. Giri, Tharangattu N. Narayanan "Hydrogen Evolution Reaction Activity of Graphene-MoS₂ van der Waals Heterostructures" (*ACS Energy Lett.* 2017, 2, 1355-1361). 'Among the most read articles in the past month'. IF: 19.003

Ravi K. Biroju; Shubhadeep Pal.; Rahul Sharma.; P. K. Giri.; Tharangattu N. Narayanan "Stacking Sequence Dependent Photo-Electrocatalytic Performance of CVD Grown MoS₂/Graphene Van Der Waals Solids" (*Nanotechnology* 2017, 28, 085101). Appeared IOP LAB TALKS 'Atomic Layer Sequence Influences Catalysis'. IF: 3.540

Rahul Sharma, Krishna Rani Sahoo, Pankaj Kumar Rastogi, Ravi K. Biroju+, Wolfgang Theis, Tharangattu N. Narayanan "On the Synthesis of Morphology Controlled Transition Metal Dichalcogenides via CVD for Electrochemical Hydrogen Generation" (*Physica Status Solidi (RRL) Rapid Research Letters*, [DOI: 10.1002/pssr.201900257](https://doi.org/10.1002/pssr.201900257)). IF: 2.291

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