

## Publications

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1. Transformation of Metal Halides to Facet-Modulated Lead Halide Perovskite Platelet Nanostructures on A-Site Cs-Sublattice Platform, Suman Bera, Biswajit Hudait, Debayan Mondal, Sanjib Shyamal, **Priya Mahadevan\*** and Narayan Pradhan, Nano Lett. **22**, 1633 (2022).
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3. Diffusion Monte Carlo Study on Relative Stabilities of Boron Nitride Polymorphs, Yutaka Nikaido, Tom Ichibha, Kenta Hongo, Fernando A. Reboredo, K. C. Hari Kumar, **Priya Mahadevan** and Ryo Maezono, J. Phys. Chem. C **126**, 6000 (2022).
4. Probing metal-molecule contact at the atomic scale via conductance jumps, B Pabi, D Mondal, **Priya Mahadevan\*** and AN Pal, Phys. Rev. B **104**, L121407 (2021).
5. Understanding the ferromagnetic insulating state in Cr doped VO<sub>2</sub>, S.K. Pandey, A. Kumar, S. Sarkar and **Priya Mahadevan\***, Phys. Rev. B **104**, 125110 (2021).
6. Shape Control of Emissive Properties of Mn-Doped CsPbBr<sub>3</sub> Nanocrystals, Debayan Mondal and **Priya Mahadevan\***, J. Phys. Chem. C **125**, 11462 (2021).
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12. Layer dependent electronic structure changes in transition metal dichalcogenides - The microscopic origin, S.K. Pandey, Ruma Das and **Priya Mahadevan\***, ACS Omega **5**, 15169 (2020).

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17. Anomalous electron transport in epitaxial  $NdNiO_3$  films, Shashank Kumar Ojha, Sujay Ray, Tanmoy Das, S Middey, Sagar Sarkar, **Priya Mahadevan**, Zhen Wang, Yimei Zhu, Xiaoran Liu, M Kareev and J Chakhalian, *Phys. Rev. B* **99**, 235153 (2019).
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