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Ph.D. (Saha Institute of Nuclear Physics, Kolkata): 2009

PDF 1. National Institute for Materials Science, Tsukuba, Japan: 2009-2014

2. IMRAM, Tohoku University, Sendai, Japan: 2014-2016

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RESEARCH INTERESTS: Molecular Motors, Molecular Spintronics, Two-dimensional superconductivity

AWARDS & FELLOWSHIPS

1. CSIR-Senior Research Associateship, 2016, CSIR India
2. JSPS Postdoctoral Fellowship, 2012, JSPS, Japan
3. MANA Research Associateship, 2009, MEXT, Japan
4. Poster presentation award in Winter School-2012, JNCASR, Bangalore
5. Junior Research Fellowship; CSIR-NET, CSIR India, 2003
6. GATE-2003 (Physics)

SELECTED RECENT PUBLICATIONS

1. A. Jana, **P. Mishra**, N. Das, “ Polymorphic self-assembly of pyrazine-based tectons at the solution-solid interface”, *Beilstein J. Nanotechnol.*, 10, 494 (2019).
2. T. Inose, D. Tanaka, J. Liu, M. Kajihara, **P. Mishra**, T. Ogawa and T. Komeda, “Coordination Structure Conversion of Protonated isporphyrinato Terbium(III) Double-Decker Complexes and Creation of a Kondo Dimer by Electron Injection on Au(111) Surface”, *Nanoscale*, 10, 19404 (2018).
3. **P. Mishra**, Z. K. Qi, H. Oka, K. Nakamura, T. Komeda, “ Spatially resolved magnetic anisotropy of cobalt nanostructures on the Au(111) surface”, *Nano Letters*, 17(9), 5843 (2017).
4. S. Yoshizawa , E. Minamitani , S. Vijayaraghavan , **P. Mishra** , Y. Takagi , T. Yokoyama , Hiroaki Oba, Jun Nitta, Kazuyuki Sakamoto, S. Watanabe , T. Nakayama, T. Uchihashi, “Controlled modification of superconductivity in epitaxial atomic layer-organic molecule heterostructures”, *Nano Letters* 17 (4), 2287 (2017).
5. F. Wu, J. Liu, **P. Mishra**, T. Komeda, J. Mack, Y. Chang, N. Kobayashi, and Z. Shen, “Modulation of molecular spintronic properties of adsorbed copper corroles”, *Nature Communications* 6, 7547 (2015).
6. **P. Mishra**, J. Hill, S. Vijayaraghavan, W. V. Rassom, S. Yoshizawa, M. Grisolia, J. Echeverria, T. Ono, K. Ariga, T. Nakayama, C. Joachim and T. Uchihashi, “A Current-driven Supramolecular Motor with In-situ Surface Chiral Directionality Switching”, *Nano Letters* 15, 4793 (2015).
7. T. Uchihashi, **P. Mishra**, M. Aono and T. Nakayama, Macroscopic Superconducting Currents through a Silicon Surface Reconstruction with Indium Adatoms: Si(111)-(R7×R3)-In, *Physical Review Letters* 107, 207001 (2011).