

Journal Publications_ Prof. Ashok K. Ganguli (till March 2017)

1. High anisotropic thermoelectric effect in palladium phosphide sulphide. P. Kaur, S. Chakraverty, A. K Ganguli and Chandan Bera. *Physica Status Solidi (b)*, 2017
2. Ni₃Co/G alloy as an earth-abundant robust and stable electrocatalyst for the hydrogen evolution reaction. S. Saha, K. Ojha, M. Sharma and A. K. Ganguli. *New J. Chem.*, 2017,41, 5916-5923
3. Hydrotrope induced structural modifications in CTAB/butanol/water/isooctane reverse micellar systems. Sethi V1, Mishra J, Bhattacharyya A, Sen D, Ganguli AK. *Phys Chem Chem Phys*. 2017 Aug 23;19(33):22033-22048.
4. Magnetic structures of rare earth intermetallic compounds RCuAs₂ (R = Pr, Nd, Tb, Dy, Ho, and Yb). Y.Zhao, J.W.Lynn, G.S.Thakur, Z.Haque, L.C.Gupta, A.K.Ganguli. *Journal of Physics and Chemistry of Solids*. 111, 2017, 1-7
5. Bridged Rebar Graphene functionalized aptasensor for pathogenic E. coli O78:K80:H11 detection. Kaur H, Shorie M, Sharma M, Ganguli AK, Sabherwal P. *Biosens Bioelectron*. 2017 Dec 15;98:486-493.
6. Parul Jain, J. Saha, L. C. Gupta, Satyabrata Patnaik, A. K. Ganguli, Ratnamala Chatterjee: *Dramatic variation of the multiferroic properties in Sr doped Ca 1-x Sr x Mn 7 O 12*. *AIP Advances* 05/2017; 7(5):055832., DOI:10.1063/1.4978401
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9. Arabinda Baruah, Amandeep Jindal, Chhayakanta Acharya, Bhanu Prakash, Suddhasatwa Basu, Ashok Kumar Ganguli: *Microfluidic reactors for the morphology controlled synthesis and photocatalytic study of ZnO nanostructures*. *Journal of Micromechanics and Microengineering* 03/2017; 27(3):035013., DOI:10.1088/1361-6439/aa5bc4
10. Zeba Haque, Gohil Singh Thakur, Rangasamy Parthasarathy, Birgit Gerke, Theresa Block, Lukas Heletta, Rainer Pöttgen, Amish G Joshi, Ganesan Kalai Selvan, Sonachalam Arumugam, Laxmi Chand Gupta, Ashok Kumar Ganguli: *Unusual Mixed Valence of Eu in Two Materials- EuSr₂Bi₂S₄F₄ and Eu₂SrBi₂S₄F₄: Mössbauer and X-ray Photoemission Spectroscopy Investigations*. *Inorganic Chemistry* 02/2017;
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16. Sandeep Kumar, R. Parthasarathy, Aadesh P. Singh, Björn Wickman, Meganathan Thirumal, Ashok K. Ganguli: *Dominant {100} facet selectivity for enhanced photocatalytic activity of NaNbO₃ in NaNbO₃/CdS core/shell heterostructures*. Catalysis Science & Technology 01/2017;, DOI:10.1039/C6CY02098D
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