

Kamanio Chattopadhyay

List of publications as on July 26, 2015

- [1] Al based ultra-fine eutectic with high room temperature plasticity and elevated temperature strength. *Materials Science and Engineering: A*, 639(0):359 – 369, 2015. TIWARY, C.S., S. KASHYAP, D.H. KIM, and K. CHATTOPADHYAY.
- [2] Chemical-free graphene by unzipping carbon nanotubes using cryo-milling. *Carbon*, 89:217 – 224, 2015. TIWARY, C.S., B. JAVVAJI, C. KUMAR, D.R. MAHAPATRA, S. OZDEN, P.M. AJAYAN, and K. CHATTOPADHYAY.
- [3] Conductivity noise as a transport-based probe to study the charge-carrier transmission across grain boundaries in polycrystalline graphene. *Bulletin of the American Physical Society*, 60, 2015. KOCHAT, Vidya, Chandra Sekhar TIWARY, Tathagata BISWAS, Gopalakrishnan RAMALINGAM, Srinivasan RAGHAVAN, Kamanio CHATTOPADHYAY, Manish JAIN, and Arindam GHOSH.
- [4] Effect of Manganese (II) Oxide on microstructure and ionic transport properties of nanostructured cubic zirconia. *Electrochimica Acta*, 170(0):360 – 368, 2015. NANDY, Anshuman, C.S. TIWARY, A. DUTTA, K. CHATTOPADHYAY, and S.K. PRADHAN.
- [5] Fracture Property Correlation of Rheocast (EMS) and Thixocast 6061 Aluminium Alloy. In *Solid State Phenomena*, volume 217, pages 405–411, 2015. SINGH, Shailesh K, Prosenjit DAS, Kamanio CHATTOPADHYAY, and Pradip DUTTA.
- [6] High quality oxide-free metallic nanoparticles: a strategy for synthesis through laser ablation in aqueous medium. *Journal of Materials Science*, 50(2):980–989, 2015. MALVIYA, KirtimanDeo and Kamanio CHATTOPADHYAY.
- [7] High-Temperature Workability of Thixocast A356 Aluminum Alloy. *Metallurgical and Materials Transactions A*, pages 1–12, 2015. SINGH, ShaileshKumar, K. CHATTOPADHYAY, and Pradip DUTTA.
- [8] Morphogenesis and mechanostabilization of complex natural and 3D printed shapes. *Science Advances*, 1(4), 2015. TIWARY, Chandra Sekhar, Sharan KISHORE, Suman SARKAR, Debiprosad Roy MAHAPATRA, Pulickel M. AJAYAN, and Kamanio CHATTOPADHYAY.
- [9] Morphology control synthesis of $Au - Cu_2S$ metal-semiconductor hybrid nanostructures by modulating reaction constituents. *RSC Adv.*, 5:56629–56635, 2015. SINHA, S. K., C. SRIVASTAVA, S. SAMPATH, and K. CHATTOPADHYAY.
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- [12] Phase formation and stability of alloy phases in free nanoparticles: some insights. *RSC Adv.*, 5:35541–35550, 2015. MALVIYA, Kirtiman Deo, Chandan SRIVASTAVA, and K. CHATTOPADHYAY.
- [13] Structural and magnetic properties of ultra-small scale eutectic CoFeZr alloys. *Journal of Alloys and Compounds*, 620:442 – 450, 2015. HOQUE, S. Manjura, S.K. MAKINENI, A. PAL, P. AYYUB, and K. CHATTOPADHYAY.
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