

Nano Crystal # 1

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Ashaq Hussain Sofi obtained his B.Sc and Master's degree in Physics from the University of Kashmir (J & K), India, with 1st division. He has qualified JEST and SLET in Physical Sciences. He is currently pursuing his PhD in Physics (Materials Science) from National Institute of Technology, Srinagar -190006 and has published his work in various well impacted SCI/SCIE and SCOPUS journals. He has also published a monograph entitled “Nanotechnology: An Insight, published by LAP LAMBERT Academic Publishing Germany.

He is currently working on optical, electrical and magnetic properties of indium oxide and its derivatives.

List Of Publications

1. **Sofi, A. H.**, Shah, M. A., & Asokan, K. (2017). Structural, Optical and Electrical Properties of ITO Thin Films. *Journal of Electronic Materials*, 1-9.
2. **Sofi, A. H.**, Shah, M. A., & Asokan, K. (2018, April). Effect on the properties of ITO thin films in Gamma environment. In *AIP Conference Proceedings* (Vol. 1942, No. 1, p. 080034). AIP Publishing.
3. **Sofi, A. H.**, Abubakr, B., & Shah, M. A. (2016). Enhancement of figure of merit of thermoelectric materials: a new theoretical approach. *Thermophysics and Aeromechanics*, 23(2), 255-260.
4. **Sofi, A. H.**, & Shah, M. A. (2014). The study of the structural and morphology features of indium tin oxide (ITO) nanostructures. *Materials Research Express*, 1(1), 015041.
5. **Sofi, A. H. and** Shah, M. A, Nanotechnology: An Insight. LAP Lambert Academic Publishing, Germany (2016). ISBN: 978-3-659-84978-7.