



Dr ANKURAVA SINHA

E-mail: sinhaankurava24@gmail.com

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/424168>

Orcid Id: 0000-0003-0082-7633

Phone: ,

Address: ,Bihar,India - 824234

Expertise

Condensed Matter Physics

Experimental Materials Science, Structural characterization of materials and property investigation

Work experience

1. Magadh University 2017 — Present

Assistant Professor

Gaya

Education

1. Ph.D. - 2020

The University of Burdwan

Publication

1. Structural Interpretation of Sintering Temperature Effect on Optical and

Electrical Properties of Pr³⁺-Substituted Nickel Ferrites

Mondal C, Dutta A, Sinha A*

physica status solidi (a), Volume 220, Year 2023, Pages

2. Understanding the Charge Carrier Dynamics, Improved Dielectric Properties and Leakage Current Behaviour of NiFe_{1.85}Dy_{0.15}O₄ with Structural Correlation

Mondal, Chaitali and Kumar, Sanchit and Dutta, Abhigyan and Sinha A*

ECS Journal of Solid State Science and Technology, Volume , Year 2023, Pages

3. Structural, optical, and electrical transport properties of some rare-earth-doped nickel ferrites: A study on effect of ionic radii of dopants

Sinha A.;Dutta A.

Journal of Physics and Chemistry of Solids, Volume 145, Year 2020

4. Tailoring of microstructure, magnetic properties and charge carrier dynamics of YIG nanoparticles by Gd doping

Chakrabarty S.;Sinha A.;Dutta A.;Pal M.

Journal of Magnetism and Magnetic Materials, Volume 468, Year 2018, Pages 215-223

5. Structural Interpretation of Ion Transport and Small Polaron Hopping Conduction in Gd Substituted Nickel Nanoferrites

Sinha A.;Dutta A.

Physica Status Solidi (A) Applications and Materials Science, Volume 215, Year 2018

6. Ionic conductivity of rare earth doped phase stabilized Bi₂O₃: Effect of ionic radius

Bandyopadhyay S.;Anirban S.;Sinha A.;Dutta A.

AIP Conference Proceedings, Volume 1832, Year 2017, Pages

7. Effect of sintering temperature on structural, optical and electrical relaxation properties of Gd-doped nickel-ferrites

Sinha A.;Anirban S.;Bandyopadhyay S.;Dutta A.

AIP Conference Proceedings, Volume 1832, Year 2017, Pages

8. Microstructure correlated impedance spectroscopy studies of Ce_{0.8}Y_{0.2}O_{2-δ}: Effect of grain growth

Anirban S.;Sinha A.;Bandyopadhyay S.;Dutta A.

AIP Conference Proceedings, Volume 1832, Year 2017, Pages

9. Conductivity enhancement in mechanosynthesized Bi₂O₃

Bandyopadhyay S.;Anirban S.;Sinha A.;Pradhan S.;Dutta A.

AIP Conference Proceedings, Volume 1731, Year 2016, Pages

10. Defect association mediated ionic conductivity of rare earth doped nanocerium: Dependency on ionic radius

Anirban S.;Sinha A.;Bandyopadhyay S.;Dutta A.

AIP Conference Proceedings, Volume 1731, Year 2016, Pages

11. Microstructure evolution, dielectric relaxation and scaling behavior of Dy-for-Fe substituted Ni-nanoferrites

Sinha A.;Dutta A.

RSC Advances, Volume 5, Year 2015, Pages 100330-100338

12. Synthesis and electrical transport properties of Gd doped nanocrystalline ceria

Anirban S.;Sinha A.;Dutta A.

AIP Conference Proceedings, Volume 1536, Year 2013, Pages 157-158