List of Publications:

1. "Low temperature synthesis of superconducting $\text{HgBa}_2\text{CuO}_4+\delta$ and its deterioration to non-superconducting phase studied by x-ray and IR methods"
J B Mandal, B. Bandyopadhyay, A Poddar, P Choudhury and B Ghosh
Physica C 235-240 (1994) 1107

2. "Neutron diffraction structural study of 1201 superconductor $(\text{Hg}_0 \gamma \text{Cr}_0 3)\text{Sr}_2\text{CuO}_4+\delta$"
J B Mandal, B. Bandyopadhyay, B Ghosh, H Rajagopal, A Sequeira and J V Yakhmi
J Superconductivity 9 (1996) 261

3. "X-ray structure, electrical resistivity, Hall effect and thermoelectric behavior of $(\text{Hg}/\text{Cr})1\text{Sr}_2\text{CuO}_y$"
B. Bandyopadhyay, J B Mandal, A Poddar, P Choudhury and B Ghosh

4. "A new mercury-based high-Tc cuprate $(\text{Hg}_0 \gamma V_0 3)(\text{Sr}_{2-x}\text{La}_x)\text{CuO}_4+\delta$"
J B Mandal, B. Bandyopadhyay, F Fauth, T Chattopadhyay and B Ghosh

5. "Structural, transport and thermal properties of $\text{Hg}_0 \gamma \text{Cr}_0 3\text{Sr}_2\text{CuO}_4+\delta$"
B. Bandyopadhyay, J B Mandal, A Poddar, P Choudhury and B Ghosh

6. "(Hg$_0$ 8 Ti$_0$ 2)Sr$_2$(Ca$_{1-x}$Y$_x$)Cu$_2$O$_{6+\delta}$ a new series of mercury-based 1212 superconductors"
B. Bandyopadhyay, J B Mandal, and B Ghosh
Supercond Sci Technol 9 (1996) 706

7. "On structural and transport properties of Hg-based high-Tc superconductors"
J B Mandal, B. Bandyopadhyay, P Mandal, P Choudhury, A N Das and B Ghosh
A review article in 'STUDIES OF HIGH TEMPERATURE SUPERCONDUCTORS' vol 24 (Nova Science Publishers), edited by A Narlikar

8. "Variation of Tc and thermopower of $\text{Bi}_2\text{Sr}_2(\text{Ca}_{1-x}\text{Y}_x)(\text{Cu}_{2-x}\text{M}_x)\text{O}_8$ (M=Zn, Co) system"
B. Bandyopadhyay, J B Mandal, P Mandal and B Ghosh
9. "Synthesis and transport properties of HgBa2CuO4+δ"
J B Mandal, B. Bandyopadhyay, and B Ghosh

10. "The variable valence state of mercury and copper in superconductor HgBa2CuO4+δ and Hg0 7Cr0 3Sr2CuO4+δ"
P Selvam, J V Yakhmi, P Veluchamy, H Minoura, J B Mandal, B. Bandyopadhyay, and B Ghosh

11. "Raman and Ft-ir studies on (Hg, V)(La, Sr)2CuO4+δ and (Hg, Cr)Sr2CuO4+δ superconductors"
B. Bandyopadhyay, J B Mandal, A J Pal, P Choudhury, P Mandal and B Ghosh

12. "Two dimensional superconducting behavior of Hg0 7Cr0 3Sr2CuO4+δ"
Jae-Hyuk Choi, Mun-Seog Kim, Sung-Ik Lee, Su-Young Lee, In-Sang Yang, J V Yakhmi, J B Mandal, B. Bandyopadhyay, and B Ghosh

13. "Raman study of the Hg0 7Cr0 3Sr2CuO4+δ superconductors"
Su-Young Lee, Bo-Youn Chang, In-Sang Yang, Ji-Hye Gwak, Sung-Jim Kim, Jae-Hyuk Choi, Sung-Ik Lee, J V Yakhmi, J B Mandal, B. Bandyopadhyay, and B Ghosh

14. "Effect of Tl doping on the structural and physical properties of HgBa2CuO4+5 superconductor"
B. Bandyopadhyay, J B Mandal, and B Ghosh
Physica C 298 (1998), 95-104

15. "Flux-pinning behavior and the interlayer coupling of the Hg0 7Cr0 3Sr2CuO4+5 superconductor"
Jae-Hyuk Choi, Mun-Seog Kim, Sung-Ik Lee, Su-Young Lee, In-Sang Yang, J V Yakhmi, J B Mandal, B. Bandyopadhyay, and B Ghosh

16. "Variation of Tc and transport properties of Co-doped Bi2Sr2Ca1-xYxCu2O8 system"
B. Bandyopadhyay, P Mandal and B Ghosh
17. "Granular behaviour and microstructure of Tl-doped HgBa$_2$CuO$_{4+\delta}$ impact of grinding"
L Fabrega, J Fontcuberta, F Sabdiumenge, J V Yakhmi, B. Bandyopadhyay and B. Ghosh

18. "Suppression of T$_C$ by impurities in Bi-2212 and Tl-2212 Studies on Pseudogap and its effects
Biplab Chattopadhyay, B. Bandyopadhyay, Asok Poddar, P. Mandal,
A N Das and B. Ghosh
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