



















- [2] A. Leggett (2006). "What DO we know about high  $T_c$ ?". *Nature Physics* **2** (3): 134. Bibcode:2006NatPh...2..134L. doi:10.1038/nphys254.
- [3] Choi, Charles Q. Iron Exposed as High-Temperature Superconductor: Scientific American. April 23, 2008.
- [4] Ren, Zhi-An; Che, Guang-Can; Dong, Xiao-Li; Yang, Jie; Lu, Wei; Yi, Wei; Shen, Xiao-Li; Li, Zheng-Cai; Sun, Li-Ling; Zhou, Fang; Zhao, Zhong-Xian (2008). "Superconductivity and phase diagram in iron-based arsenic-oxides  $\text{ReFeAsO}_{1-\delta}$  (Re = rare-earth metal) without fluorine doping". *EPL* **83**: 17002. arXiv:0804.2582. Bibcode:2008EL.....8317002R. doi:10.1209/0295-5075/83/17002.
- [5] Mourachkine, A. (2004). *Room-Temperature Superconductivity*. Cambridge International Science Publishing. arXiv:cond-mat/0606187. ISBN 1-904602-27-4
- [6] Kittel, C. (2004) Introduction to Solid State Physics. 7th Edition, Wiley, India.
- [7] Puri, R.K. and Babbar, V.K. (2009) Solid State Physics. S Chand & Company Ltd., New Delhi.
- [8] Narlikar, A.V. (2004) High Temperature Superconductivity. Springer, Berlin, 35.
- [9] in, J.X. and Dou, S.X. (1999) Development of High TC Superconductors for Engineering Applications. *Science & Technology Advancing into New Millenium*, 368-382.
- [11] H. Maeda, Y. Tanaka, M. Fukutumi, and T. Asano (1988). "A New High- $T_c$  Oxide Superconductor without a Rare Earth Element". *Jpn. J. Appl. Phys.* **27** (2): L209–L210. Bibcode:1988JaJAP..27L.209M. doi:10.1143/JJAP.27.L209.
- [12] M. A. Subramanian *et al* (1988). "A new high-temperature superconductor:  $\text{Bi}_2\text{Sr}_{3-x}\text{Ca}_x\text{Cu}_2\text{O}_{8+y}$ ". *Science* **239** (4843): 1015–1017. Bibcode:1988Sci...239.1015S. doi:10.1126/science.239.4843.1015. PMID 17815702.
- [13] R. J. Cava *et al* (1988). "Structure and physical properties of single crystals of the 84-K superconductor  $\text{Bi}_{2.2}\text{Sr}_2\text{Ca}_{0.8}\text{Cu}_2\text{O}_{8+\delta}$ ". *Physical Review B* **38** (1): 893–896. Bibcode:1988PhRvB..38..893S. doi:10.1103/PhysRevB.38.893.
- [14] J. L. Tallon *et al* (1988). "High- $T_c$  superconducting phases in the series  $\text{Bi}_{2.1}(\text{Ca},\text{Sr})_{n+1}\text{Cu}_n\text{O}_{2n+4+\delta}$ ". *Nature* **333** (6169): 153–156. Bibcode:1988Natur.333..153T. doi:10.1038/333153a0.
- [15] R. D. Shannon (1976). "Revised effective ionic radii and systematic studies of interatomic distances in halides and chalcogenides". *Acta Cryst A* **32**: 751–767. Bibcode:1976AcCrA..32..751S. doi:10.1107/S0567739476001551.
- [16] Willander<sup>1</sup>, O. Nur<sup>1</sup>, M. Q. Israr<sup>1</sup>, A. B. Abou Hamad<sup>2</sup>, F. G. El Desouky<sup>2</sup>, M. A. Salem<sup>2</sup>, I. K. Battisha<sup>2\*</sup> Determination of A.C. Conductivity of Nano-Composite Perovskite  $\text{Ba}(1-x-y)\text{Sr}(x)\text{TiFe}(y)\text{O}_3$  Prepared by the Sol-Gel Technique *M-Journal of Crystallization Process and Technology*, 2012, 2, 1-11 <http://dx.doi.org/10.4236/jcpt.2012.21001> Published Online January 2012 (<http://www.SciRP.org/journal/jcpt>)
- [17] Galasso, F.S. (1969) Structure, Properties and Preparation of Perovskite Type Compounds. Pergamon Press, Oxford.
- [18] K. Ramakanth, Basic of Diffraction and Its Application. I.K. International Publishing House Pvt. Ltd, New Dehli, 2007.
- [19] J. Zhang, Y. Zhang, K.W. Xu, V. Ji, Solid State Commun. 139 (2006) 87.
- [20] J. Zhang, Y. Zhang, K.W. Xu, V. Ji, Solid State Commun. 139 (2006) 87.
- [21] West, A.R. (1974) Solid State Chemistry and Its Applications. Wiley, New York,
- [22] V.K. Pecharsky, P.Y. Zavalij, Fundamentals of Powder Diffraction and Structural
- [23] Characterization of Materials. Springer, New York, 2003.
- [24] 21. 17 A. Khorsand Zak a,b,\* , W.H. Abd. Majid a, M.E. Abrishami b, Ramin Yousefi c- X-ray analysis of ZnO nanoparticles by Williamson-Hall and size-strain plot Methods -Solid State Sciences 13 (2011) 251e256.
- [25] 22. R. Hepzi Pramila Devamani, M. Jansi Rani-Synthesis and Characterization of Lead Chromate nanoparticles.-IJSR-Volume3 issue 4, April 2014, ISSN NO.2277-8179. 3 |
- [26] 23. Y. T. Prabhu, K. Venkateswara Rao, V. Sesha Sai Kumar, B. Siva Kumari- X-ray Analysis of Fe doped ZnO Nanoparticles by Williamson-Hall and Size-Strain Plot Methods -International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-2, Issue-4, April 2013.
- [27] 24. A. Habiba,\* , R. Haubnerb, N. Stelzer- Effect of temperature, time and particle size of Ti precursor on hydrothermal synthesis of barium titanate -Materials Science and Engineering B 152 (2008) 60–65.
- [28] 25. Vinila, V.S., Jacob, R., Mony, A., Nair, H.G., Issac, S., Rajan, S., Nair, A.S. and Isac, J. (2014) XRD Studies
- [29] on Nano Crystalline Ceramic Superconductor  $\text{PbSrCaCuO}$  at Different Treating Temperatures. *Crystal Structure Theory and Applications*, 3, 1-9. <http://dx.doi.org/10.4236/csta.2014>.