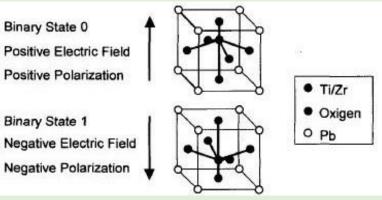
Theme:

Synthesis and Characterization of Functional Oxide Materials for Capacitor and Memory Devices

Our group has been investigating the utilization of functional oxide materials synthesized by adopting various routes like molten salt, sol-gel and solid state reaction methods to exploit it for multifarious device applications.



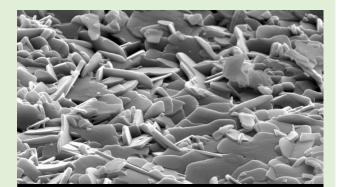
1C - 1T NVRAM Configuration



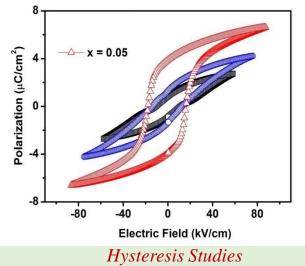
PZT Crystal Lattice

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Scanning Electron Micrograph (Ferroelectric Ceramics)



(Ferroelectric Ceramics)