Last 5 year publications details

PATENT ISSUED

1. US 8673503 "Polyurethane gels with improved conductance and/or solvent retention"

   R. Balaji, Ajit. R. Kulkarni, Raman S. Srinivasa, 2014 (USPTO)

2. US 8871390 "PAN-PEO gels with improved conductance and solvent retention"

   R. Balaji, Ajit. R. Kulkarni, Raman S. Srinivasa, 2015(USPTO)

3. CN103069635 "Having improved conductivity and solvent retained pan-peo gel"

   R. Balaji, Ajit. R. Kulkarni, Raman S. Srinivasa, 2015 (CHINA)

PATENT PUBLISHED

4. 1751/MUM/2010 "PAN-PEO gels with improved conductance and solvent retention"
   R. Balaji, Ajit. R. Kulkarni, Raman S. Srinivasa, 2010 (INDIA)

5. PCT/IB2010/002105 "PAN-PEO gels with improved conductance and solvent retention"
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6. 201641018900 Lead Zirconium Titanate - Epoxy Composite Having Effective Piezoelectric Property, **R. Balaji** (INDIA)

RESEARCH PUBLICATIONS

1. **Effect of Dopant on Improving Structural, Density and Functional Properties of Ceria Based SOFC Electrolyte.** A. Senthilkumar, **R. Balaji**, S. Jayakumar J. Nanosci. And Nanotechol, 15 (37) (2019)

2. **Effect of sintering on the structural and morphological properties of barium cerate based electrolyte for IT-SOFCs application.** A.Senthilkumar**, R. Balaji**, S. Jayakumar J. Mater. Environ. Sci, 9, 2599 (2018)

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7. **A Comparative Study On CDS: PEO and Cds: Pmma Nanocomposite Solid Films**. S. Padmaja, S. Jayakumar, **R. Balaji** , K. Vaideki. Materials Research Bulletin, 80 (36), (2016)

8. **Microwave And Conventional Sintering Of Gadolinium Doped Barium Cerate: A Comparative Study.** A. Senthilkumar, **R. Balaji**, P. Puviarasu, S. Jayakumar, "Optoelectronics and advanced materials – Rapid communications, 9 (5) (2015)

9. **CDS:PMMA Nanocomposite Solid Films with Enhanced Properties.** S. Padmaja, S. Jayakumar, **R. Balaji**. Materials Technology, 30(276-281) (2015)

10. **Abnormal Grain Growth Free Strontium Barium Niobate by Microwave Assisted Sintering**. K. Abduraoof, **R. Balaji**, S. Jayakumar, G. M. Joshi. Ferroelectrics, 481(196-205) (2015)