

## Subject index of volume 133

### Acetone

Preparation and acetone sensitive characteristics of nano-LaFeO<sub>3</sub> semiconductor thin films by polymerization complex method, 98

### Addition

Ethanol sensing properties of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> nanopowder doped with Mg by nonaqueous medium method, 213

### Aerosol plasma deposition

Microstructures and dielectric properties of PZT thick films prepared by aerosol plasma deposition with microwave annealing, 181

### Ag reflector

Ir/Ag reflector for high-performance GaN-based near UV light emitting diodes, 26

### Aluminum nitride (AlN)

A comparison of pulsed-laser-deposited and ion-beam-enhanced-deposited AlN thin films for SOI application, 124

### Annealing schedule

Effects of annealing schedule on orientation of Bi<sub>3.2</sub>Nd<sub>0.8</sub>Ti<sub>3</sub>O<sub>12</sub> ferroelectric film prepared by chemical solution deposition process, 132

### Anodic aluminum oxide membrane

Template-directed formation of functional complex metal-oxide nanostructures by combination of sol–gel processing and spin coating, 245

### Arc discharge

Preparation of carbon nanotubes by DC arc discharge process under reduced pressure in an air atmosphere, 241

### Barium ferrite

Microwave absorption properties of nanocomposite films of BaFe<sub>12</sub>O<sub>19</sub> and TiO<sub>2</sub> prepared by sol–gel method, 191

### Barium strontium titanate

Laser annealing of BST thin films with reduced cracking at an elevated temperature, 235

### Barium titanate

Electrothermal simulation of barium titanate based PTCR thermistor, 157

### Batteries

Nature of domains in lanthanum calcium cobaltite perovskite revealed by atomic resolution Z-contrast and electron energy loss spectroscopy, 30

### B–H loop

Structural, dielectric and magnetic properties of NiCuZn ferrite grown by citrate precursor method, 42

### Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>

The effects of CeO<sub>2</sub>-doping on piezoelectric and dielectric properties of Bi<sub>0.5</sub>(Na<sub>1-x-y</sub>K<sub>x</sub>Li<sub>y</sub>)<sub>0.5</sub>TiO<sub>3</sub> piezoelectric ceramics, 172

### Bi<sub>3.2</sub>Nd<sub>0.8</sub>Ti<sub>3</sub>O<sub>12</sub>

Effects of annealing schedule on orientation of Bi<sub>3.2</sub>Nd<sub>0.8</sub>Ti<sub>3</sub>O<sub>12</sub> ferroelectric film prepared by chemical solution deposition process, 132

### Bilayer manganites

A-site substitution effects on the magnetic and transport properties in La<sub>1.4-z</sub>Y<sub>z</sub>Sr<sub>1.6-y</sub>Ba<sub>y</sub>Mn<sub>2</sub>O<sub>7</sub>, 66

### Bismuth layer structured ferroelectrics

Impedance and modulus spectroscopy studies on Ba<sub>0.1</sub>Sr<sub>0.81</sub>La<sub>0.06</sub>Bi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub> ceramic, 141

### Bismuth oxide

Fibrous nanorod network of bismuth oxide by chemical method, 177

### Blue-light emission

Polymer-assisted hydrothermal synthesis of lead zirconate titanate nanorolls and their strong blue-light emission, 226

### Burstein–Moss shift

dc and ac transport properties of Mn-doped ZnO thin films grown by pulsed laser ablation, 70

### CaNb<sub>2</sub>O<sub>6</sub>

CaNb<sub>2</sub>O<sub>6</sub> ceramics prepared by a reaction-sintering process, 14

### Carbon nanotubes

Preparation of carbon nanotubes by DC arc discharge process under reduced pressure in an air atmosphere, 241

### Carrier transport

Nondestructive evaluation of differently doped InP wafers by time-resolved four-wave mixing technique, 136

### Cathode material

Phase transformation of LiNi<sub>0.75</sub>Co<sub>0.25</sub>O<sub>2</sub>, 8

### CBD

A comparative photo-electrochemical study of compact In<sub>2</sub>O<sub>3</sub>/In<sub>2</sub>S<sub>3</sub> multilayer thin films, 222

### Ce<sub>1-x</sub>Sn<sub>x</sub>O<sub>2</sub> solid solution

Photocatalytic degradation of textile azo dye over Ce<sub>1-x</sub>Sn<sub>x</sub>O<sub>2</sub> series, 55

### CeO<sub>2</sub>-doping

The effects of CeO<sub>2</sub>-doping on piezoelectric and dielectric properties of Bi<sub>0.5</sub>(Na<sub>1-x-y</sub>K<sub>x</sub>Li<sub>y</sub>)<sub>0.5</sub>TiO<sub>3</sub> piezoelectric ceramics, 172

### Ceria-based nanopowders

A facile and novel route to high surface area ceria-based nanopowders by salt-assisted solution combustion synthesis, 151

### Chemical method

Fibrous nanorod network of bismuth oxide by chemical method, 177

### Chemical synthesis

Synthesis and photoluminescence of Eu<sup>3+</sup> and Mn<sup>2+</sup> doped double phosphates KMLa(PO<sub>4</sub>)<sub>2</sub> (M = Zn, Mg), 186

### Citrate precursor method

Structural, dielectric and magnetic properties of NiCuZn ferrite grown by citrate precursor method, 42

### Co-doped BaTiO<sub>3</sub>

Preparation and characterization of Co-doped BaTiO<sub>3</sub> nanosized powders and ceramics, 205

- Combustion synthesis  
 Synthesis of  $\text{Sr}_4\text{Al}_{14}\text{O}_{25}:\text{Eu}^{2+},\text{Dy}^{3+}$  phosphor nanometer powders by combustion processes and its optical properties, 200
- Complex metal-oxide nanowires and nanotubes  
 Template-directed formation of functional complex metal-oxide nanostructures by combination of sol-gel processing and spin coating, 245
- Complex permittivity and permeability  
 Structural, dielectric and magnetic properties of NiCuZn ferrite grown by citrate precursor method, 42
- Composite  
 Synthesis and characterization of polyaniline/pumice (PAN/Pmc) composite, 20
- Concentration quenching  
 Spectroscopy properties of  $\text{KCaY}(\text{PO}_4)_2:\text{Eu}^{3+}$  in vacuum ultraviolet region, 218
- CoO  
 Influence of CoO on stability of nonlinear electrical properties and dielectric characteristics in  $\text{Pr}_6\text{O}_{11}$ -based ZnO varistor ceramics, 91
- Crystal growth  
 Growth and characterization of mercury indium telluride single crystals, 129
- Curie temperature  
 Structural, dielectric and magnetic properties of NiCuZn ferrite grown by citrate precursor method, 42
- DARS  
 Properties of  $\text{Ga}_{1-x}\text{Mn}_x\text{N}$  epilayers grown by plasma-assisted molecular beam epitaxy using Raman spectroscopy, 102
- Defect formation  
 Nature of domains in lanthanum calcium cobaltite perovskite revealed by atomic resolution Z-contrast and electron energy loss spectroscopy, 30
- Degenerate four-wave mixing  
 Nondestructive evaluation of differently doped InP wafers by time-resolved four-wave mixing technique, 136
- Dielectric  
 Impedance and modulus spectroscopy studies on  $\text{Ba}_{0.1}\text{Sr}_{0.81}\text{La}_{0.06}\text{Bi}_2\text{Nb}_2\text{O}_9$  ceramic, 141
- Dielectric characteristics  
 Influence of CoO on stability of nonlinear electrical properties and dielectric characteristics in  $\text{Pr}_6\text{O}_{11}$ -based ZnO varistor ceramics, 91
- Dielectric property  
 The effects of  $\text{CeO}_2$ -doping on piezoelectric and dielectric properties of  $\text{Bi}_{0.5}(\text{Na}_{1-x-y}\text{K}_x\text{Li}_y)_{0.5}\text{TiO}_3$  piezoelectric ceramics, 172  
 Preparation and characterization of Co-doped  $\text{BaTiO}_3$  nanosized powders and ceramics, 205
- Directional infiltration  
 Nickel sulfide nanotubes formed by a directional infiltration self-assembly route in AAO templates, 167
- Doped  
 Synthesis and luminescence properties of  $\text{La}_{2-x}\text{RE}_x\text{Sn}_2\text{O}_7$  (RE = Eu and Dy) phosphor nanoparticles, 231
- EDAX  
 Properties of pulsed electrodeposited  $\text{CdIn}_2\text{S}_4$  thin film, 37  
 A comparative photo-electrochemical study of compact  $\text{In}_2\text{O}_3/\text{In}_2\text{S}_3$  multilayer thin films, 222
- Electric modulus  
 Impedance and modulus spectroscopy studies on  $\text{Ba}_{0.1}\text{Sr}_{0.81}\text{La}_{0.06}\text{Bi}_2\text{Nb}_2\text{O}_9$  ceramic, 141
- Electrical and optical properties  
 Response of metal oxide thin film structures to radiation, 1
- Electrical conductivity  
 Synthesis and characterization of polyaniline/pumice (PAN/Pmc) composite, 20
- Electrical transport  
 A-site substitution effects on the magnetic and transport properties in  $\text{La}_{1.4-z}\text{Y}_z\text{Sr}_{1.6-y}\text{Ba}_y\text{Mn}_2\text{O}_7$ , 66
- Electrochemistry  
 A comparative photo-electrochemical study of compact  $\text{In}_2\text{O}_3/\text{In}_2\text{S}_3$  multilayer thin films, 222
- Electrodeposition  
 Properties of pulsed electrodeposited  $\text{CdIn}_2\text{S}_4$  thin film, 37
- Electron energy loss spectroscopy  
 Nature of domains in lanthanum calcium cobaltite perovskite revealed by atomic resolution Z-contrast and electron energy loss spectroscopy, 30
- Electron microscopy  
 Nature of domains in lanthanum calcium cobaltite perovskite revealed by atomic resolution Z-contrast and electron energy loss spectroscopy, 30  
 Transformation behavior of layered  $\text{LaOCl}$  to  $\text{La}(\text{OH})_3$  nanostructures in water, 77
- Electrospinning  
 Lanthanum zirconate nanofibers with high sintering-resistance, 209
- Electrothermal  
 Electrothermal simulation of barium titanate based PTCR thermistor, 157
- Embedded resistor  
 A study on embedded resistor components fabricated by laser micro-cladding and rapid prototype, 84
- Ethylene glycol  
 A facile and novel route to high surface area ceria-based nanopowders by salt-assisted solution combustion synthesis, 151
- $\text{Eu}^{3+}$   
 Spectroscopy properties of  $\text{KCaY}(\text{PO}_4)_2:\text{Eu}^{3+}$  in vacuum ultraviolet region, 218
- Excimer laser annealing  
 Laser annealing of BST thin films with reduced cracking at an elevated temperature, 235
- Fatigue-free  
 Effects of annealing schedule on orientation of  $\text{Bi}_{3.2}\text{Nd}_{0.8}\text{Ti}_3\text{O}_{12}$  ferroelectric film prepared by chemical solution deposition process, 132
- FeCo sputtering film  
 Induced anisotropy in soft magnetic  $\text{Fe}_{65}\text{Co}_{35}/\text{Co}$  thin films, 61
- $\gamma\text{-Fe}_2\text{O}_3$  nanopowder  
 Ethanol sensing properties of  $\gamma\text{-Fe}_2\text{O}_3$  nanopowder doped with Mg by nonaqueous medium method, 213
- Ferrimagnet  
 Nickel sulfide nanotubes formed by a directional infiltration self-assembly route in AAO templates, 167
- Ferroelectric film  
 Effects of annealing schedule on orientation of  $\text{Bi}_{3.2}\text{Nd}_{0.8}\text{Ti}_3\text{O}_{12}$  ferroelectric film prepared by chemical solution deposition process, 132
- Ferromagnetism  
 Properties of  $\text{Ga}_{1-x}\text{Mn}_x\text{N}$  epilayers grown by plasma-assisted molecular beam epitaxy using Raman spectroscopy, 102
- Gamma radiation  
 Response of metal oxide thin film structures to radiation, 1
- GaN  
 Ir/Ag reflector for high-performance GaN-based near UV light emitting diodes, 26
- Gas sensing properties  
 Ethanol sensing properties of  $\gamma\text{-Fe}_2\text{O}_3$  nanopowder doped with Mg by nonaqueous medium method, 213
- Gas sensor  
 Preparation and acetone sensitive characteristics of nano- $\text{LaFeO}_3$  semiconductor thin films by polymerization complex method, 98

Download English Version:

<https://daneshyari.com/en/article/1531874>

Download Persian Version:

<https://daneshyari.com/article/1531874>

[Daneshyari.com](https://daneshyari.com)