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Book chapters / special issues of solid state ionics

2010

1. **Mohan L. Verma** and B.Keshav Rao

[Modeling of space charge ionic conduction in 2 phase nano composite electrolytes](#)

in *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R. Chowdari et al. Wuhan : Wuhan University of Technology Press, pp-423-430, 2010.

2. **Mohan L. Verma**, B. Keshav Rao and Homendra Sahu

[Seeking the possibility of quantum transport in ionic/superionic solids](#)

in *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R. Chowdari et al. Wuhan : Wuhan University of Technology Press, pp- 431-438, 2010.

3. **Mohan L. Verma**, Homendra Sahu and Arti Verma

[Studies on correlation between dielectric properties and ionic conductivity of Fe₂O₃ dispersed PEO based nanocomposite electrolyte](#)

in *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. Wuhan : Wuhan University of Technology Press, pp-XX-YY, 2010.

4. **Mohan L. Verma**, Nirbhay K. Singh

[Novel model of hybrid electric vehicle based on solar energy induced ultrabattery](#)

in *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. Wuhan : Wuhan University of Technology Press, pp-1139-1145, 2010.

2008

5. **Mohan L. Verma** and B.Keshav Rao

[Modeling of Space Charge Density in Some Nanocomposite Solid Electrolyte](#)

in *Solid State Ionics : New materials for pollution free energy devices* eds B.V.R. Chowdari et al. World Scientific, Singapore pp-531-536 2008.

6. **Mohan L. Verma**, B. Keshav Rao, Homendra Sahu and Nirbhay K. Singh

[Modeling and Determination of Space Charge Dielectric Constant of Nanocomposite Electrolyte 0.9\[0.75 AgI : 0.25 AgCl\]:SiO₂](#)

in *Solid State Ionics : New materials for pollution free energy devices* eds B.V.R.Chowdari et al. World Scientific, Singapore, pp- 525-530, 2008.

7. **Mohan L. Verma**, B. Keshav Rao, Arti Verma and Mimi Mukherjee

[Structural Characterization of Ionic Materials Applying Digital Image Processing of SEM/TEM Image : A Novel Approach](#)

in *Solid State Ionics : New materials for pollution free energy devices* eds B.V.R.Chowdari et al. World Scientific, Singapore, pp-417-421, 2008.

8. **Mohan L.Verma**, Nirbhay K. Singh and Homendra Sahu

Supercapacitors for hybridelectric vehicles: A survey and modeling of new control structure

in *Solid State Ionics :New materials for pollution free energy devices* eds B. V. R. Chowdari et al. World Scientific, Singapore , pp-831-836, 2008.

2001

9. R. C. Agrawal, **Mohan L. Verma** and R. K. Gupta

Thermoelectric power and battery discharge characteristic studies of a new silver ion conducting composite electrolyte (1-x) [0.75AgI:0.25AgCl]:xZrO₂

in *Ion Conducting Materials : Theory & Applications*, eds- A. R. Kulkarni and P Gopalan, Narosa Publishing House, New Delhi, ISBN: 978-81-7319-401-6, pp. 220, 2001.

1998

10. R. C. Agrawal, **Mohan L. Verma**, R. K. Gupta and S. Thaker

Thermoelectric power and battery discharge characteristic studies of a new silver ion conducting composite electrolyte

in *Solid State Ionics - Science and Technology* (eds) B. V. R. Chowdary et al. World Scientific, Singapore 465 1998. [ISBN No : 9810237634, 9789810237639].

11. R C. Agrawal, **Mohan L. Verma**, R. K. Gupta, R. Kumar, M. L. Verma and S. K. Pandey.

Estimation of mobile ion concentration in some silver ion conducting solid electrolyte systems by dc polarization/depolarization studies

in *Solid State Ionics – Science and Technology*, (eds) B. V. R. Chowdary et al. World Scientific, Singapore 127 1998. [ISBN No : 9810237634, 9789810237639].

Summary : Total International : 10, Total National : 01
