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1	Comparison of electronic structure of solar and as grown silicon samples	S. Jainulabdeen K.S.Syed Ali R.Saravanan				2008
2	Structural analysis of Al, Ni and Cu using MEM, Multipole and Pair Distribution Function	M. Charles Robert R. Saravanan K. Saravanakumar M. Premarani				2008
3	Growth of novel diluted magnetic semiconducting material $Ge_{1-x}Mn_x$ and X-ray characterization by Maximum Entropy Method (MEM) and Pair Distribution Function (PDF)	K.S.SyedAli S.Jainulabdeen R.Saravanan S. Israel				2008
4	Local structure of the high temperature thermoelectric material PbTe using Maximum Entropy method (MEM) and Pair Distribution function (PDF)	R. Saravanan M. Charles Robert				2008
5	Local structure of the thermoelectric material Mg_2Si using XRD	R. Saravanan M.Charles Robert				2008
6	X - ray characterization of Ag impurities in $Na_{1-x}Ag_xCl$	Nizarul Hazeen K. S. Syed Ali M. Prema Rani R. Saravanan	<i>Defects & Diffusion Forum (DDF) (Trans Tech Pub.) (Book title: Defects and Diffusion in Metals—An Annual Retrospective X)</i>	278	33-44	2008
7	<u>X-ray Determination of Charge Transfer in Solar Grade GaAs</u>	R. Saravanan S. Jainulabdeen N. Srinivasan Y. B. Kannan	<i>J. Phys. Chem. Solids (Elsevier)</i>	69	83-86	2008
8	<u>Electron density distribution in Si and Ge using multipole, maximum entropy method and pair distribution function analysis.</u>	R.Saravanan K S Syed Ali S Israel,	<i>Pramana (Indian Academy of Sciences)</i>	70 (4)	679-696	2008
9	<u>Non-nuclear maxima (NNM), symmetric and asymmetric charge distribution in solar grade Si and n-GaAs, using X-ray powder data</u>	R. Saravanan A.Majella Mary Ann S. Jainulabdeen	<i>Physica B (Elsevier)</i>	B400	16-21	2007
10	<u>Maximum entropy method and multipole analysis of the bonding in sodium and vanadium metals</u>	R. Saravanan M. Prema Rani	<i>J. Phys.: Condens. Matter (Institute of Physics – IOP)</i>	19	266221	2007
11	<u>Bonding in CoAl and NiAl metal alloys using multipole and MEM techniques</u>	R. Saravanan M. Prema Rani	<i>J. Alloys and Compounds (Elsevier)</i>	431	121-129	2007

12	Application of Maximum Entropy Method for the Study of Electron Density Distribution in SrS, PuS, CaS, MnS and HgS using Powder X-ray data.	R. Saravanan	<i>Pramana (Indian Academy of Sciences)</i>	66 (6)	1057-1065	2006
13	Electron density distribution and bonding in ZnSe and PbSe using maximum entropy method (MEM)	K. S. Syed Ali R. Saravanan S. Israel R.K.Rajaram	<i>Bulletin of Materials Science (Indian Academy of Sciences)</i>	9 (2)	107-114	2006
14	Probabilistic electron density distribution in CdTe at RT and 200K	R. Saravanan S. Israel Y. Ono K. Ohno M. Isshiki T. Kajitani R. K. Rajaram	<i>Crystal Research and Technology (Wiley InterScience)</i>	41 (3)	259 – 267	2006
15	Optical, thermal and phase transition studies in Sn_{1-x}Ge_xTe	M. Sivabharathy N.Sankar R. Saravanan K. Ramachandran	<i>Bulletin of Materials Science (Indian Academy of Sciences)</i>	28 (7)	675–679	2005
16	Bonding in ZnTe at RT, 200 and 100 K Revealed by Entropy Maximized Electron Density Distribution	R. Saravanan S. Israel R. K. Rajaram	<i>Physica B (Elsevier)</i>	B363 (1-4)	166-177	2005
17	Bonding in Fluorite Compound CaF₂ Using MEM.	R. Saravanan S. Israel.	<i>Physica B (Elsevier)</i>	B352 (1-4)	220-226	2004
18	Electronic Structure of InP at RT, 200K and 100K.	S. Israel R. Saravanan R.K. Rajaram.	<i>Physica B (Elsevier)</i>	B349	390-400	2004
19	Determination of Experimental X-ray Anomalous Dispersion Correction Term f ^o of Tellurium in CdTe at 200 K and 300 K	R. Saravanan B. Revathy	<i>Salsearch (Private)</i>		36-52	2004
20	An investigation on the bonding in MgO, CaO, SrO and BaO from the MEM electron density distributions	S. Israel R. Saravanan N. Srinivasan S.K. Mohanlal	<i>J. Phys. Chem. Solids (Elsevier)</i>	64	879-886	2003
21	Charge transfer in CdTe at 200 K and 300 K	K.K.Balamurugan R.Saravanan K. Asharamani P. Manimaran S.Mariyappan N.Srinivasan Y. Ono M.Isshiki T. Kajitani	<i>Journal of Crystal Growth (Elsevier)</i>	250	382-392	(2003)
22	Electron density distribution in GaAs using MEM	R.Saravanan Y. Ono M.Isshiki K.Ohno T. Kajitani	<i>J. Phys. Chem. Solids (Elsevier)</i>	64	51–58	2003

23	High resolution electron density mapping for LiF and NaF by maximum entropy method (MEM)	S. Israel R.Saravanan N. Srinivasan R.K. Rajaram	<i>J. Phys. Chem. Solids (Elsevier)</i>	64	43-49	2003
24	Gel Growth and X-ray Characterization of Ferro Electric Single Crystals of SrHPO ₄ and PbHPO ₄	K.S. Syed Ali N.Ajeetha R.Saravanan	<i>Bulletin of Pure and Applied Sciences D: Physics</i>	21 (2)	151-157	2002
25	Electronic Charge Distribution in the Intermetallic Compound MnHg	R. Saravanan S.Israel S. Swaminathan R. Kalidos M. Muruganantham	<i>Crystal Research and Technology (Wiley InterScience)</i>	37 (12)	,1310-1317	2002
26	Experimental f'' of As at 170, 200, 250 and 300 K from the Bijvoet pairs of GaAs	G. Raja Sudha K. Vimala Devi D.Arthi S.Prasanna Subramanian N. Srinivasan R. Saravanan	<i>Bulletin of Materials Science (Indian Academy of Sciences)</i>	25 (4)	325-327	2002
27	Raman Study on H⁺ - implantation effects in highly doped n-GaAs	P. Murugan, R. Kesavamoorthy, S. Amirthapandiana, R. Saravanan, K. Ramachandran, N. Krishnamurthy	<i>Physica B (Elsevier)</i>	B315	56	2002
28	High resolution electron density distribution determination for GaAs and CdTe	T. Kajitani R. Saravanan Y. Ono K. Ohno M. Isshiki	<i>Journal of Crystal Growth (Elsevier)</i>	229	130-136	2001