

Curriculum Vitae

Basharat Ahmad Want
Professor
Department of Physics
University of Kashmir – 190006, India

Residential Address
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Lalbazar, Srinagar, J & K
Email: basharatwant@gmail.com,
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Place of Birth: **Srinagar, J & K**

Website : <http://phy.uok.edu.in/Main/ProfilePage.aspx?Profile=1790&P=DrBasharatAhmadWant>

Teaching Experience : 27 years (including post graduate teaching)

Research Experience : 19 years

Qualification:

Ph.D. (Major : Physics, Sub-category: Experimental Solid State Physics), University of Kashmir , India in 2008.

Present Job Position:

Professor of Physics, Department of Physics, University of Kashmir, Srinagar, India.

Past Job Positions:

1. Served as a Lecturer in Physics (on Adhoc basis) in the Higher Education Department , Govt. of Jammu and Kashmir from M a r c h 1996 - October 1999.
2. Assistant professor (permanent) in Physics in Islamia College of Science and Commerce, Srinagar from November 1999 - November 2000.
3. Assistant professor (permanent) of Physics, Higher Education Department , Govt. of Jammu and Kashmir from D e c e m b e r 2000 - June 2010.
4. Associate Professor of Physics, Department of Physics, University of Kashmir, from July 2010 to July 2016.
5. Professor of Physics, Department of Physics, University of Kashmir, from July 2016.
6. Head of the Department of Physics, University of Kashmir from Feb-2021.

Research interest:

- Single crystal growth of Metal Organic Framework with ferroelectric properties .
- Physics of Ferroelectric materials .
- Ferroelectric Ceramics, Multiferroic materials, Magnetic ferrites.
- Synthesis and characterization of BaTiO₃/ Spinel ferrite multiferroic composite materials.
- Processing and characterization of multiferroic thin films.
- Dielectric & Electrical properties of materials.
- Materials for solar cell applications.
- Density functional theory of materials.
- Predicting properties of materials using Density Functional Theory.

Distinctions and Awards:

1. Sultana N. Nahar prize for distinction in Physics teaching (2015), Ohio University, USA

Research Experience:

Ferroelectric and Dielectric Materials: Single crystal growth and characterization of ferroelectric materials based on rare-earth coordination compounds.

PZT and Barium Titanate ceramics and composites for high dielectric constant materials.

Multiferroic properties of ceramic materials based on perovskite and spinel ferrite (cubic structured) materials.

Electronic Structure of double perovskites for solar cell and spintronic applications.

Ph.D. supervision: 7 awarded Ph.D. degrees; and supervising 7 more PhD students.

Research Guidance: (M.Phil./Ph.D.)

<i>Scholar</i>	<i>Title</i>	<i>Status</i>
1. Zahoor Ahmad Bhat (M.Phil, 2013)	Crystal Growth of Some Rare Earth Molybdates by Gel Diffusion Technique.	(Awarded)
2. Feroz Ahmad Dar(M.Phil 2013)	Crystallization of Some Pure and Substituted Rare-Earth Oxalates.	(Awarded)
3. Rubiya Samad (M.Phil, 2014)	Crystal growth of some rare-earth containing coordination compounds and their characterization.	(Awarded)
4. Mehraj ud-din Rather (M.Phil,2015)	Dielectric and Magnetic Properties of Some Multiferroic Materials.	(Awarded)

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| 5. Mairaj-ud-Din Shah (PhD,2016) | Studies on crystal growth of some pure and mixed rare earth fumarates and their characteristics. | (Awarded) |
| 6. Bilal Hamid Bhat (PhD, 2016) | Preparation and characterization of pure and doped M-type hexaferrites. | (Awarded) |
| 7. Zahoor Ahmad Bhat (PhD, 2017) | Crystal growth and characterization of metal-organic complexes and studies on their ferroelectric and spectroscopic properties. | (Awarded) |
| 8. Rubiya Samad (PhD, 2018) | Dielectric and magnetic characterization of ferrite-ferroelectric crystalline materials. | (Awarded) |
| 9. Mehraj ud Din Rather (PhD 2019) | Electric and magnetic properties of rare-earth containing multiferroic composites. | (Awarded) |
| 10. Nahida Hassan (PhD 2021) | Magnetic, Dielectric and Magneto-Dielectric Properties of Ferroelectric-Ferrimagnetic Based Multiferroics | (Awarded) |
| 11. Suhail Ahmad Dar (PhD 2023) | Structural, Electronic and Magnetic Properties of Some Double Perovskites - A First Principle Study. | (Awarded) |

Research Projects:

Agency	Title of Project	Period of Support	Total Cost	Remarks
DST- SERB	Investigations on crystal growth and characterization of some ferroelectric rare-earth coordination compounds	June 2013- March 2017	29.81 Lacs	Completed
UGC	Crystal growth by low temperature solution growth method ...	July 2011 - July 2014	9.7 Lacs	Completed
DST	Preparation and characterization of ferroelectric-ferrite composites	May 2016	26.1 Lacs	Completed
SERB	Investigations on Ferroelectric and Optical Properties of some rare earth based metal organic frameworks	DEC 2021	52.7lacs	Ongoing

**PRESENTATIONS IN NATIONAL/INTERNATIONAL
CONFERENCES**

1. X-ray Crystal Structure of Holmium tartrate
National Conference on Advanced Materials & Technology, 24-26 September, 2004. DAV College, Amritsar.
2. Ferroelectric behaviour of some rare earth tartrates
Thirteenth National Seminar on Ferroelectrics and Dielectrics (NSFD-XIII),
23-25 November, 2004, Department of Physics and Astrophysics, University of Delhi
3. Dielectric properties, a.c. conductivity and thermal behaviour of gadolinium tartrate trihydrate crystals, 2nd J & K Science Congress, 25-27 July, 2006, University of Kashmir
4. Dielectric and ferroelectric behaviour of terbium tartrate trihydrate crystals
6th J & K Science Congress, 2-4 Dec, 2010, University of Kashmir
5. Spherulitic Crystallization of rare-earth tartrates in gel medium
International Conference on Nanotechnology and Nano- Materials, 18-21 December 2011.
University of Delhi
6. Dielectric and ferroelectric behaviour of a rare-earth coordination compound: Erbium Tartrate dehydrate, International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials, 13-16 March, 2012. University of Delhi
7. Dielectric characterization of mixed holmium-gadolinium tartrate dihydrate
Recent trends in Materials Science Research, September 3-5, 2012.
National Institute of Technology, Srinagar
8. Crystal growth of some rare-earth fumarates by gel diffusion technique
8th J & K Science Congress, 17-19 Sep, 2012. University of Kashmir
9. Crystallization of holmium octa-molybdate in silica gel and its characterization
9th J & K Science Congress, 1-3, Oct. 2013, University of Kashmir
10. Growth, characterization and dielectric properties of gadolinium fumarate heptahydrate single crystals, 9th J & K Science Congress, 1-3, Oct. 2013, University of Kashmir
11. Growth, characterization and dielectric properties of single crystal terbium tartrate
9th J & K Science Congress, 1-3, Oct. 2013, University of Kashmir
12. Dielectric, ferroelectric and non-linear optical characteristics of a crystalline rare-earth coordination compound: terbium tartrate trihydrate, Frontiers of Materials Science, 2-6 Dec, 2013, International Centre for Materials Science, JNCASR, University of Cambridge and Sheikh Saqr Lab., Bangalore.

13. Dielectric, ferroelectric and non-linear optical behaviour of terbium hydrogen tartrate trihydrate single crystals.
International Conference on Multifunctional materials, structures and applications, 22-24 Dec, 2014, Motilal Nehru National Institute of Technology, Allahabad
14. Ferroelectricity in a hybrid metal organic coordination material National conference on Advances in materials and materials processing 22-23 May, 2015, NIT, Srinagar
15. Ferroelectric and non-linear optical behaviour of terbium tartrate single crystals 11th J & K Science Congress ,12-14 October, 2015, University of Kashmir
16. Ferroelectric transition and dielectric nonlinearity in hydrogen bonded metal organic complex
:[Nd (C₄H₅O₆)(C₄H₄O₆)] [3H₂O]
10th International conference on Advances in Mechanical, Material science, Manufacturing , Automobile, Aerospace Engineering and Applied Physics
7th November, 2015, Krishi Sanskriti, Jawahar Lal Nehru University, New Delhi.
17. Structure, ferroelectric and non-linear optical behaviour of lanthanide based metal-organic framework: [Nd(C₄H₅O₆)(C₄H₄O₆)] [3H₂O]
10th Asian Ferroelectric Meet (AFM 10), 7-11 November, 2016, University of Delhi.
18. Characterization of rare-earth substituted cobalt ferrite using First Order Reversal Curve method. 2nd Global Conference on Applied Physics, Mathematics and Computing (APMC -18) , 25th to 27th July, 2018 , University of Complutense, Madrid , Spain.

Publications:
29.4

Number of publications: 78, RG Factor:

Place : Srinagar
Dr. Basharat Want
Dated: 25-7-2022



Basharat Want

Professor,
University of Kashmir
Single Crystal Growth
Dielectric characterization
Ferroelectrics
Ferrites
Magnetic Characterization

	All	Since 2018
Citations	747	596
h-index	16	15
i10-index	28	20

TITLE	CITED BY	YEAR
Electric, magnetic, and magneto-dielectric properties of bilayered multiferroic $\text{Pb}_{0.95}\text{R}_{0.05}\text{Zr}_{0.52}\text{Ti}_{0.48}\text{O}_3/\text{CoPr}_{0.1}\text{Fe}_{1.9}\text{O}_4$ (R = Pr, Yb) thin films S Jahan, MR Rather, S Abass, FA Najar, N Hassan, R Samad, K Sultan, ... Journal of Materials Science: Materials in Electronics 34 (23), 1668		2023
Unravelling the linear and biquadratic magnetoelectric coupling in $\text{Ba}_{0.95}\text{Sn}_{0.05}\text{Ti}_{0.95}\text{Ga}_{0.05}\text{O}_3\text{-CoFe}_{1.8}\text{Ga}_{0.2}\text{O}_4$ particulate multiferroic composites MUD Rather, AN Ganie, NA Mala, M Fatema, DA Ansari, AG Lone, B Want, ... JOURNAL OF ALLOYS AND COMPOUNDS 946		2023
Unravelling the linear and biquadratic magnetoelectric coupling in $\text{Ba}_{0.95}\text{Sn}_{0.05}\text{Ti}_{0.95}\text{Ga}_{0.05}\text{O}_3\text{-CoFe}_{1.8}\text{Ga}_{0.2}\text{O}_4$ particulate multiferroic composites AN Ganie, NA Mala, M Fatema, DA Ansari, AG Lone, B Want, S Husain Journal of Alloys and Compounds 946, 169266		2023
Effect of chromium (Cr)-doping on electrochemical performance of microwave synthesized hematite ($\alpha\text{-Cr}_x\text{Fe}_{2-x}\text{O}_3$) nanosheets for supercapacitor application M Aalim, I Irshad, AM Tantray, A Sohail, B Want, MA Shah Journal of Materials Science: Materials in Electronics 34 (18), 1409		2023
Enhancement in the magneto-dielectric and ferroelectric properties of $\text{BaTiO}_3\text{-CoFe}_{1.9}\text{Yb}_{0.1}\text{O}_4$ core-shell multiferroic nanocomposite N Hassan, M Rashid, R Samad, S Jahan, B Want, M Gull, K Sultan Journal of Alloys and Compounds 941, 168841		2023
Investigation of the Ferroelectric, Magnetic and Magnetoelectric Properties in Honeycomb-Layered YCrTeO_6 RAU Rahman, NA Mala, MD Rather, GH Rather, IA Parray, A Shahzadi, ... Journal of Electronic Materials, 1-9		2023
Predicting and understanding the structural stability, origin of half-metallic magnetic nature, and study of opto-electronic properties of Cs_2KXCl_6: X= Ti and V double perovskites SA Dar, B Want Journal of Physics and Chemistry of Solids 174, 111135	3	2023

TITLE	CITED BY	YEAR
<p>All candidates who have been exempted from the entrance test and have successfully submitted their online form for the Ph. D. Programme (2023) in Physics are here</p> <p>BA Want Department of Physics, University of Kashmir</p>		2023
<p>Direct band gap double perovskite halide Cs₂ScInCl₆ for optoelectronic applications—A first principle study</p> <p>SA Dar, B Want Computational Condensed Matter 33, e00736</p>		2022
<p>Analysis of structural stability and optoelectronic properties of new direct band gap halide double perovskites Cs₂XRhCl₆: X= Na, K—a first principle study</p> <p>SA Dar, B Want Solid State Communications 355, 114928</p>		2022
<p>Fabrication of Bi-component Co–Cr doped M-type Sr-hexagonal ferrites: their structural, hysteresis, and susceptibility performance metrics</p> <p>M Thakur, C Singh, SK Godara, BA Want, AK Srivastava Journal of Materials Science: Materials in Electronics 33 (28), 22421-22434</p>	1	2022
<p>DFT study of structural, mechanical, and opto-electronic properties of scadium-based halide double perovskite Cs₂ScInBr₆ for optoelectronic applications</p> <p>SA Dar, B Want Micro and Nanostructures 170, 207370</p>		2022
<p>Computer based predictions of structural stability and systematic study of magneto-electronic and optical properties of lead free halide double perovskites: Cs₂KXCl₆: X= Co and Ni</p> <p>SA Dar, B Want, SA Khandy Journal of Magnetism and Magnetic Materials 545, 168603</p>	10	2022
<p>Particulate multiferroic Ba_{0.99}Tb_{0.02}Ti_{0.99}O₃–CoFe_{1.8}Mn_{0.2}O₄ composites: Improved dielectric, ferroelectric and magneto-dielectric properties</p> <p>GH Rather, N Nazir, A Ikram, M Ikram, B Want Journal of Alloys and Compounds 887, 161446</p>	4	2021
<p>Improved Magneto-dielectric coupling in Yb-doped PbZrTiO₃–Nd-doped CoFe₂O₄-based multiferroic composites</p> <p>N Hassan, B Want Applied Physics A 127, 1-13</p>	2	2021
<p>Tuning of magnetic properties and multiferroic nature: case study of cobalt-doped NdFeO₃</p> <p>A Somvanshi, S Husain, S Manzoor, N Zarrin, N Ahmad, B Want, W Khan Applied Physics A 127, 1-15</p>	11	2021

TITLE	CITED BY	YEAR
<p>Magneto-dielectric properties of Mn-doped CoFe₂O₄: Yb-doped PbZrTiO₃ multiferroic composites</p> <p>N Hassan, B Want Journal of Materials Science: Materials in Electronics 32, 5579-5593</p>	2	2021
<p>Growth and Various Characterizations of Lithium Sulfate Monohydrate Single Crystals after Eu³⁺ and Tb³⁺ Ion Doping</p> <p>FA Najjar, MM Naik, FA Mir, GB Wakil, B Want Crystal Research and Technology 55 (12), 2000075</p>	2	2020
<p>Modified multiferroic behavior: A case study of NdFeO₃-SrTiO₃ composite</p> <p>A Somvanshi, S Husain, S Manzoor, N Zarrin, W Khan, B Want AIP Conference Proceedings 2265 (1)</p>	1	2020
<p>Structural, dielectric, optical and magnetic studies of dysprosium doped iron oxide nanostructures</p> <p>R Bhat, M Qayoom, GN Dar, B Want Materials Chemistry and Physics 245, 122764</p>	4	2020
<p>Improved dielectric, conductivity and magnetic properties of erbium doped α-Fe₂O₃ nanoparticles</p> <p>R Bhat, M Qayoom, GN Dar, B Want Journal of Materials Science: Materials in Electronics 30, 20914-20934</p>	4	2019
<p>Dielectric and magnetic properties of rare-earth-doped cobalt ferrites and their first-order reversal curve analysis</p> <p>R Samad, MD Rather, K Asokan, B Want Applied Physics A 125, 1-12</p>	31	2019
<p>Magnetodielectric effect in rare earth doped BaTiO₃-CoFe₂O₄ multiferroic composites</p> <p>R Samad, N Hassan, B Want Journal of Alloys and Compounds 794, 402-416</p>	34	2019
<p>Magnetic field control of electric properties in gadolinium doped BaTiO₃-CoFe₂O₄ particulate multiferroic composites</p> <p>R Samad, B Want Materials Research Express 6 (6), 066310</p>	16	2019
<p>A study on structural, spectral, and magnetic properties of Pr-Bi co-doped M-type barium-strontium hexaferrites via the solid-state reaction method</p> <p>Y Yang, J Shao, F Wang, KM Batoo, SF Adil, BH Bhat, BA Want Applied Physics A 124, 1-9</p>	8	2018
<p>Probing of electric and magnetic properties of holmium doped iron oxide nanoparticles</p> <p>R Bhat, B Want, A Firdous, GN Dar Journal of Materials Science: Materials in Electronics 29, 19472-19483</p>	6	2018

TITLE	CITED BY	YEAR
<p>Ferroelectric and magneto-dielectric properties of yttrium doped BaTiO₃–CoFe₂O₄ multiferroic composite</p> <p>MUD Rather, R Samad, B Want Journal of Materials Science: Materials in Electronics 29, 19164-19179</p>	16	2018
<p>optoelectrical behavior of ferroelectric lithium rubidium sulfate crystals</p> <p>FA Najar, GB Vakil, B Want Journal of Electronic Materials 47, 6411-6419</p>	2	2018
<p>Improved magnetoelectric effect in ytterbium doped BaTiO₃–CoFe₂O₄ particulate multiferroic composites</p> <p>R Samad, B Want Journal of Alloys and Compounds 755, 89-99</p>	38	2018
<p>Electrical and mechanical studies on ferroelectric lithium rubidium sulphate crystals</p> <p>FA Najar, GB Vakil, B Want Journal of Advanced Dielectrics 8 (03), 1850015</p>	1	2018
<p>Spectroscopic properties of lanthanide based metal-organic framework [Nd (C₄H₅O₆)(C₄H₄O₆)]₃[3H₂O]: Theoretical and experimental approaches</p> <p>BZ Ahmad, B Want Journal of Luminescence 198, 378-383</p>	2	2018
<p>Magneto-dielectric studies on multiferroic composites of Pr doped CoFe₂O₄ and Yb doped PbZrTiO₃</p> <p>R Samad, K Asokan, B Want Journal of Alloys and Compounds 744, 453-462</p>	29	2018
<p>Electric, Magnetic, and Magnetolectric Properties of Yttrium-Containing BaYTiO–SrFeO Composite.</p> <p>M Rather, R Samad, B Want Journal of Electronic Materials 47 (3)</p>		2018
<p>Electric, Magnetic, and Magnetolectric Properties of Yttrium-Containing BaY_{0.025}Ti_{0.9625}O₃–SrFe₁₂O₁₉ Composite</p> <p>MD Rather, R Samad, B Want Journal of Electronic Materials 47, 2143-2154</p>	12	2018
<p>Structural, dielectric and ferroelectric properties of rare earth substituted lead zirconate titanate</p> <p>R Samad, MD Rather, K Asokan, B Want Journal of Materials Science: Materials in Electronics 29, 4226-4237</p>	17	2018
<p>Magnetic and dielectric characteristics of Nd and Nd-Mg substituted strontium hexaferrite</p> <p>B Want, BH Bhat Modern Electronic Materials 4 (1), 21-29</p>	7	2018

TITLE	CITED BY	YEAR
Magnetic and dielectric characteristics of Nd and Nd-Mg substituted strontium hexaferrite. Modern Electronic Materials 4 (1): 21–29 B Want, BH Bhat		2018
Infrared, Raman, electrical and thermal analysis of lithium sulphate monohydrate single crystals FA Najar, GB Vakil, B Want Journal of Materials Science: Materials in Electronics 28, 14170-14178	7	2017
Effect of neodymium on the magnetic and dielectric properties of nickel-cobalt ferrite B Want, R Samad Journal of Magnetism 22 (3), 450-462	9	2017
Dielectric, ferroelectric and magnetic properties of Pb _{0.95} Pr _{0.05} Zr _{0.52} Ti _{0.48} O ₃ –CoPr _{0.1} Fe _{1.9} O ₄ ceramic composite R Samad, B Want Journal of Alloys and Compounds 715, 43-52	15	2017
Magnetic and dielectric properties of Ce–Co substituted BiFeO ₃ multiferroics J Sharma, BH Bhat, A Kumar, S Kumar, T Kaur, B Want, AK Srivastava Materials Research Express 4 (3), 036104	17	2017
Structural, optical and dielectric studies of lithium sulphate monohydrate single crystals FA Najar, GB Vakil, B Want Materials Science-Poland 35 (1), 18-31	18	2017
Magnetic, dielectric and complex impedance properties of lanthanum and magnesium substituted strontium hexaferrite BH Bhat, B Want Journal of Materials Science: Materials in Electronics 27, 12582-12590	15	2016
Dielectric and impedance behavior of neodymium substituted strontium hexaferrite BH Bhat, R Samad, B Want Applied Physics A 122, 1-11	16	2016
Dielectric, ferroelectric and magnetic behavior of BaTiO ₃ –BaFe ₁₂ O ₁₉ composite B Want, MD Rather, R Samad Journal of Materials Science: Materials in Electronics 27, 5860-5866	23	2016
Structure, ferroelectric ordering, and semiempirical quantum calculations of lanthanide based metal-organic framework:[Nd (C ₄ H ₅ O ₆)(C ₄ H ₄ O ₆)] ₃ [3H ₂ O] BZ Ahmad, B Want Journal of Applied Physics 119 (14)	7	2016
Magnetic behaviour of Neodymium-substituted strontium hexaferrite BH Bhat, B Want Applied Physics A 122, 1-7	26	2016

TITLE	CITED BY	YEAR
<p>Magnetic susceptibility measurements of pure and mixed gadolinium–terbium fumarate heptahydrate crystals</p> <p>B Want, MD Shah</p> <p>Journal of Magnetism and Magnetic Materials 401, 391-393</p>	3	2016
<p>Studies on crystal growth of some pure and mixed rare-earth Fumarates and their characteristics.</p> <p>BAG Want</p>		2016
<p>Enhanced luminescence of rare-earth Tb (III) obtained by mixing of Gd (III) in a fumarate complex and intra-molecular energy transfer</p> <p>MD Shah, B Want</p> <p>Materials Science-Poland 33 (4), 685-691</p>	7	2015
<p>Thermal and magnetic properties of lanthanide based metal-organic complex: Neodymium tartrate trihydrate</p> <p>BZ Ahmad, F Ahmad, B Want</p> <p>Current Applied Physics 15 (10), 1251-1255</p>	3	2015
<p>Dielectric and conducting behavior of gadolinium–terbium fumarate heptahydrate crystals</p> <p>MD Shah, B Want</p> <p>Journal of Advanced Dielectrics 5 (03), 1550020</p>		2015
<p>Effect on dielectric, magnetic, optical and structural properties of Nd–Co substituted barium hexaferrite nanoparticles</p> <p>T Kaur, S Kumar, BH Bhat, B Want, AK Srivastava</p> <p>Applied Physics A 119, 1531-1540</p>	112	2015
<p>Effect of lanthanum substitution on dielectric relaxation, impedance response, conducting and magnetic properties of strontium hexaferrite</p> <p>B Want, BH Bhat, BZ Ahmad</p> <p>Journal of Alloys and Compounds 627, 78-84</p>	26	2015
<p>Growth, characterization and dielectric studies of gadolinium fumarate heptahydrate single crystals</p> <p>MD Shah, B Want</p> <p>Bulletin of Materials Science 38, 73-81</p>	11	2015
<p>Dielectric characteristics and thermal behaviour of terbium fumarate heptahydrate crystals</p> <p>MD Shah, B Want</p> <p>Current Applied Physics 15 (2), 64-70</p>	9	2015
<p>Dielectric and conducting behaviour of polycrystalline holmium octa-molybdate</p> <p>B Want, BZ Ahmad, BH Bhat</p> <p>Materials Research Express 1 (3), 035030</p>		2014

TITLE	CITED BY	YEAR
<p>Dielectric, ferroelectric and optical behaviour of terbium hydrogen tartrate trihydrate crystals B Want, R Samad Journal of Materials Science 49, 4891-4898</p>	11	2014
<p>Growth and characterization of terbium fumarate heptahydrate single crystals B Want, MD Shah Journal of Crystal growth 389, 39-46</p>	11	2014
<p>Dielectric, ferroelectric and non-linear optical behavior of crystalline erbium tartrate dihydrate B Want Current Applied Physics 13 (9), 1928-1932</p>	5	2013
<p>Crystallization of Some Pure and Substituted Rare-earth Oxalates F Dar, BG Want</p>		2013
<p>Crystal Growth of Some Rare Earth Molybdates by Gel Diffusion Technique ZAS Bhat, BG Want</p>		2013
<p>Single crystal growth and characterization of lanthanum–neodymium oxalate octahydrate B Want Journal of Crystal Growth 335 (1), 90-93</p>	8	2011
<p>Spherulitic crystallization of holmium tartrates in silica gels B Want Applied Physics A 104, 1195-1202</p>	3	2011
<p>Micromechanical and thermal behaviour of gel grown pure-and sodium-modified copper tartrate crystals I Quasim, A Firdous, B Want, SK Khosa, PN Kotru Journal of Physics and Chemistry of Solids 71 (11), 1501-1512</p>	11	2010
<p>Single crystal growth and characterization of pure and sodium-modified copper tartrate I Quasim, A Firdous, B Want, SK Khosa, PN Kotru Journal of Crystal Growth 310 (24), 5357-5363</p>	29	2008
<p>Magnetic moment measurements of gadolinium, holmium and ytterbium tartrate trihydrate crystals B Want, F Ahmad, PN Kotru Journal of alloys and compounds 448 (1-2), L5-L6</p>	13	2008
<p>Dielectric and thermal characteristics of gel grown single crystals of ytterbium tartrate trihydrate B Want, F Ahmad, PN Kotru Journal of materials science 42, 9324-9330</p>	19	2007
<p>Dielectric and thermal behaviour of holmium tartrate trihydrate crystals B Want, F Ahmad, PN Kotru</p>	10	2007

TITLE	CITED BY	YEAR
Crystal Research and Technology: Journal of Experimental and Industrial ...		
<p>Single crystal growth and characterization of holmium tartrate trihydrate B Want, F Ahmad, PN Kotru Journal of crystal growth 299 (2), 336-343</p>	16	2007
<p>Dielectric characterization of gadolinium tartrate trihydrate crystals B Want, F Ahmad, PN Kotru Materials Science and Engineering: A 443 (1-2), 270-276</p>	6	2007
<p>Growth of ytterbium tartrate trihydrate crystals in silica and agar-agar gels and their characterization B Want, F Ahmad, PN Kotru Crystal Research and Technology: Journal of Experimental and Industrial ...</p>	9	2006
<p>Crystal growth and characterization of gadolinium tartrate trihydrate: $Gd(C_4H_4O_6)(C_4H_5O_6) \cdot 3H_2O$ B Want, F Ahmad, PN Kotru Materials Science and Engineering. A, Structural Materials: Properties ...</p>		2006
<p>Crystal growth and characterization of gadolinium tartrate trihydrate: $Gd(C_4H_4O_6)(C_4H_5O_6) \cdot 3H_2O$ B Want, F Ahmad, PN Kotru Materials Science and Engineering: A 431 (1-2), 237-247</p>	9	2006