

Integrated Ferroelectrics >

An International Journal

Volume 205, 2020 - Issue 1: Proceedings of the International Conference on Nano-Structured Materials and Devices (ICNSMD-2018): Part IV of IV

27

0

0

Views CrossRef citations to date Altmetric

E: Nanostructured Materials (continued)

Morphological Studies on of Chemically Deposited EuX Thin Films

C. T. Londhe , **M. M. Betkar**  & **P. B. Undre** 

Pages 95-100 | Received 01 Oct 2018, Accepted 16 Sep 2019, Published online: 09 Feb 2020

 Cite this article  <https://doi.org/10.1080/10584587.2019.1675004>

Sample our Physical Sciences journals, sign in here to start your FREE access for 14 days

 Full Article Figures & data References Citations Metrics Reprints & Permissions

Read this article

Abstract

The Europium chalcogenide (EuX) thin films have been deposited bare glass substrates by chemically spray pyrolysis technique at different substrate temperatures, in aqueous medium. The films synthesised were studied morphologically. The effect of substrate temperature on morphological properties has been investigated. The XRD studies reveal that the films are polycrystalline in nature and the deposited material was europium sulphide. The SEM analysis conform the formation of small grains on overall substrate.

Q Keywords: EuX spray pyrolysis scanning electron microscope (SEM)

Acknowledgments

One of the authors, MMB is thankful to University Grants Commission, New Delhi, India, for the award of Teacher Fellowship under 'Faculty Improvement Programme', and also thankful to

S.R.T. M. University recognised, Physics Research Centre, Mahatma Gandhi College, Ahmedpur, Dist. Latur, for providing research facility on Spray Deposited Thin Films.

Log in via your institution

➤ [Access through your institution](#)

Log in to Taylor & Francis Online

➤ [Log in](#)

Restore content access

➤ [Restore content access for purchases made as guest](#)

Purchase options *

[Save for later](#)

PDF download + Online access

- 48 hours access to article PDF & online version
- Article PDF can be downloaded
- Article PDF can be printed


USD 61.00

 Add to cart

Issue Purchase

- 30 days online access to complete issue
- Article PDFs can be downloaded
- Article PDFs can be printed

USD 2,157.00

 Add to cart

* Local tax will be added as applicable

Related Research

People also read

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Recommended articles

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Cited by

Keep up to date

Register to receive personalised research and resources by email



Sign me up



Copyright © 2024 Informa UK Limited [Privacy policy](#) [Cookies](#) [Terms & conditions](#)

[Accessibility](#)



Registered in England & Wales No. 3099067
5 Howick Place | London | SW1P 1WG