

Electronics, Optics and Photonics

MRS Advances Volume 8, Issue 16

Held Various Dates and Locations

ISBN: 978-1-7138-8171-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2023) by Springer Nature
All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact Springer Nature
at the address below.

Springer Nature
The Campus 4 Crinan St.
London N1 9XW
United Kingdom

www.springernature.com

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Etching of Scandium-Doped Aluminum Nitride Using Inductively Coupled Plasma Dry Etch and Tetramethyl Ammonium Hydroxide..... <i>A. S. M. Zadid Shifat, Isaac Stricklin, Tito Busani, Ravi Kiran Chityala, Giovanni Esteves, Aleem Siddiqui</i>	871
Additive Manufacturing of IoT Housings with Integrated Electronics	878
<i>Thomas Schmiedinger, Markus Ehrlenbach, Christian Schmid</i>	
Flexible Transparent Electrode with Embedded Silver Mesh by Eco-Friendly Polymer Solution-Assisted Metal Transfer Process.....	884
<i>Han-Jung Kim, Jeongmin Park, Yoonkap Kim</i>	
Synthesis and Characterization of a Novel Asymmetric Fused Ladder Oligomer for Applications as Organic Semiconductor	889
<i>Cameron Fieste, Phuong-Truc T. Pham, Mamoun M. Bader</i>	
Magnetic Field Induced Cooperativity Tuning in a Fe(II)-Based Hybrid Spin Crossover Network Grown on 2D Surfaces	894
<i>Shatabda Bhattacharya, Hirokazu Tada</i>	
Role of Perovskite Thickness on Optoelectronic Properties in Lead Bromide and Lead Iodide Thin Film Perovskites: A DFT Study.....	901
<i>David R. Graupner, Dmitri Kilin</i>	
Interface Engineering with Polymer Hole Transport Layer for 3D Perovskite Solar Cells.....	907
<i>Thomas Mather, Ehsan Ghavaminia, Anupama B. Kaul</i>	
Effect of Thiourea Concentration on Chemical Bath Deposited Cd _x Zn _{1-x} S Thin Films Properties for Cu(In,Ga)Se ₂ Solar Cells	912
<i>Binbin Wen, Yuming Xue, Chaoqun Lv</i>	
Stability Over Time of Ferroelectric Phase Transition and Polarization Switching in a Nanocomposite Based on Potassium Dihydrogen Phosphate Filled with Cellulose	919
<i>Hoai Thuong Nguyen</i>	
Abnormalities and Preferences in Divalent (Cu, Ni) Co-Doping in ZnO at Lower Proportions	925
<i>M. K. Gurjar, T. Harsh, A. S. Bhattacharyya</i>	
Fluoride Monolayer Doping in GaN/AlGaN/GaN Semiconductor	931
<i>Linh Chi T. Cao, Shu Han Hsu, Chun-Lin Chu</i>	
Sequential Growth Mechanism of Ni-Doped CuO Nanocrystallites	937
<i>Ritambhara Dash, A. S. Bhattacharyya</i>	
Terahertz-Induced Polar State in Quantum Paraelectric SrTiO ₃	943
<i>Vladislav Bilyk, Kirill Brekhov, Elena Mishina</i>	
Preferential Growth and Effect of Temperature in (Ni, Zn) Co-Doped CuO.....	947
<i>R. Das, M. Gurjar, A. S. Bhattacharyya</i>	

Author Index