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Handbook of Organic Materials for Optical and Opto

This chapter gives an overview of organic materials, focusing on molecular materials for use in optoelectronic devices such as organic photoreceptors, organic photovoltaic devices (OPVs), and organic light-emitting diodes (OLEDs). A description of the historical development of organic optoelectronics is provided.

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Handbook of Organic Materials for Optical and Opto

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ISBN: 978-0-08-102284-9 (Woodhead Publishing Series in Electronic and Optical Materials)

Handbook of Organic Materials for Electronic and Photonic Devices, Second Edition, provides an overview of the materials, mechanisms, characterization techniques, structure-property relationships, and most promising applications of organic materials.

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Oksana Ostroverkhova Oregon State University

My research explores electronic and optical properties of organic materials using a variety of experimental techniques, including ultrafast time-resolved spectroscopy and single-molecule spectroscopy.

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secondary sources of the data are

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Oksana Ostroverkhova is editor of Elsevier's new Handbook

Oksana Ostroverkhova, Professor of Physics at Oregon State University, and a leading expert on organic electronics, is the editor of the second edition of Elsevier Publishing Company's Handbook of Organic Materials for Electronic and Photonic Devices. This 911-page handbook provides an overview of the materials, mechanisms, characterization techniques, and structure-property

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Organic solar cells DTU Research Database

Hsel, M, Angmo, D & Krebs, FC 2013, Organic solar cells. in O Ostroverkhova (ed.), Handbook of organic materials for optical and (opto)electronic devices: Properties and applications. Woodhead Publishing, Woodhead Publishing Series in Electronic and Optical Materials, no. 39, pp. 473-507.

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Oksana Ostroverkhova, Organic Optoelectronic Prathamesh M. Shenai, Lipeng Chen and Yang Zhao, Elucidating the enhancement in optical properties of low band gap polymers by tuning the structure of

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Organic (opto)electronic materials have received considerable attention due to their applications in thin-film-transistors, light-emitting diodes, solar cells, sensors, photorefractive devices, and many others. The technological promises include low cost of these materials and the possibility of their room-temperature deposition from solution on large-area and/or flexible substrates.

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Polymers for Nonlinear Optics SpringerLink

Ostroverkhova O (2013) Handbook of organic materials for optical and (opto)electronic devices: properties and applications. Woodhead, Cambridge, UK Google Scholar 2.

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Xylindein Naturally Produced Fungal Compound for

Organic Materials Using Field-E ect Transistors (FETs) and Space-Charge-Limited Current (SCLC) Techniques. In Handbook of Organic Materials for Electronic and Photonic Devices; Ostroverkhova, O., Ed.; Woodhead Publishing, 2018; pp 453 488. (61) Baranovskii, S. D. Theoretical description of charge transport in disordered organic

<http://home.schoolnutritionandfitness.com/Xylindein--Naturally-Produced-Fungal-Compound-for--.pdf>

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Webber, Handbook of Optical Materials (CRC Press, 2003). Handbook of Infrared Optical Materials (Optical Science and Engineering) (Paul Klocek) on Amazon.com. *FREE* shipping on qualifying offers. Book. Oksana Ostroverkhova - Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications Published: 2013-09

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OSA Material gain concentration quenching in organic dye

The optimization of material gain in optically pumped dye-doped polymer thin films is an important task in the development of organic solid-state lasers. In this work, we present a theoretical model that accommodates the influence of concentration quenching on material gain and employ it to study the novel dye molecule 2-(4-(bis(4-(tert-butyl)phenyl)amino)benzylidene)malononitrile (PMN) and <http://home.schoolnutritionandfitness.com/OSA-Material-gain-concentration-quenching-in-organic-dye-.pdf>

Books Chapters Organic Optoelectronics Lab

Yeheng Wu and Kenneth D. Singer, Second Harmonic Generation as a Characterization Technique and Phenomological Probe, in Handbook of Organic Materials for Optical and Optoelectronic Devices: Properties and Applications, Oksana Ostroverkhova, ed. (under review).

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Third Order Nonlinear Optical Properties and Optical

The optical power limiting behavior also investigated for Celestin Blue B dye doped PMMA polymer films at different concentrations and the optical power limiting threshold values were determined. Results indicate that the Celestin Blue B dye doped PMMA polymer film is a promising material for future photonic device applications.

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EPIC Books

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Tho Nguyen Group Invited Book Chapters

Z. V. Vardeny, T. D. Nguyen, E. Ehrenfreund, chapter 19 Organic Spintronics , in the book Handbook of organic materials for optical and optoelectronic devices: properties and applications edited by Oksana Ostroverkhova pulished by Woodhead Publishing Limited (2013)

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Interface Controlled High Mobility Organic Transistors

Katelyn P. Goetz, Oana D. Jurchescu, Conductivity measurements of organic materials using field-effect transistors (FETs) and space-charge-limited current (SCLC) techniques, Handbook of Organic Materials for Electronic and Photonic Devices, 10.1016/B978-0-08-102284-9.00014-0, (453-487), (2019).

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Versatile Organic Transistors by Solution Processing

Katelyn P. Goetz, Oana D. Jurchescu, Conductivity measurements of organic materials using field-effect transistors (FETs) and space-charge-limited current (SCLC) techniques, Handbook of Organic Materials for Electronic and Photonic Devices, 10.1016/B978-0-08-102284-9.00014-0, (453-487), (2019).

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