

## [Kaidas Victor](#)

Teze/Rezumate în culegeri - 1.

### 2017 - 2

#### **Localized Synthesis of Iron Oxide Nanowires and Fabrication of High Performance Nanosensors Based on a Single Fe<sub>2</sub>O<sub>3</sub> Nanowire**

*Lupan Oleg<sup>1,2</sup>, Postica Vasile<sup>2</sup>, Wolff Niklas<sup>1</sup>, Polonskyi Oleksandr<sup>1</sup>, Duppel Viola<sup>3</sup>, Kaidas Victor<sup>1</sup>, Lazari Eugeniu<sup>2</sup>, Ababii Nicolai<sup>2</sup>, Faupel Franz<sup>1</sup>, Kienle Lorenz<sup>1</sup>, Adelung Rainer<sup>1</sup>*

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<sup>2</sup> Technical University of Moldova,

<sup>3</sup> Max Planck Institute for Solid State Research

#### **Small**

Nr. 16(13) / 2017 / ISSN 1613-6810 / ISSN<sub>e</sub> 1613-6829

Disponibil online 13 February, 2023. Descarcări-0. Vizualizări-188

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#### **UV detection properties of hybrid ZnO tetrapod 3-D networks**

*Grottrup Jorit<sup>1</sup>, Postica Vasile<sup>2</sup>, Smazna Daria<sup>1</sup>, Hoppe Mathias<sup>1</sup>, Kaidas Victor<sup>1</sup>, Mishra Yogendra Kumar<sup>1</sup>, Lupan Oleg<sup>1,2</sup>, Adelung Rainer<sup>1</sup>*

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#### **Vacuum**

Nr. 146 / 2017 / ISSN 0042-207X / ISSN<sub>e</sub> 1879-2715

Disponibil online 10 December, 2017. Descarcări-0. Vizualizări-875

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### 2016 - 4

#### **Enhanced ethanol vapour sensing performances of copper oxide nanocrystals with mixed phases**

*Lupan Oleg<sup>1,2</sup>, Crețu Vasiliu<sup>2</sup>, Postica Vasile<sup>2</sup>, Ababii Nicolai<sup>2</sup>, Polonskyi Oleksandr<sup>1</sup>, Kaidas Victor<sup>1</sup>, Schutt Fabian<sup>1</sup>, Mishra Yogendra Kumar<sup>1</sup>, Monaico Eduard<sup>2</sup>, Tiginyanu Ion<sup>2</sup>, Shontya Viktor<sup>2</sup>, Strunskus Thomas<sup>1</sup>, Adelung Rainer<sup>1</sup>*

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#### **Sensors and Actuators, B: Chemical**

Nr. 224 / 2016 / ISSN - / ISSN<sub>e</sub> 0925-4005

Disponibil online 18 December, 2017. Descarcări-0. Vizualizări-1127

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#### **Multifunctional device based on ZnO:Fe nanostructured films with enhanced UV and ultra-fast ethanol vapour sensing**

*Postica Vasile<sup>1</sup>, Holken Iris<sup>2</sup>, Schneider Viktor<sup>2</sup>, Kaidas Victor<sup>2</sup>, Polonskyi Oleksandr<sup>2</sup>, Crețu Vasiliu<sup>1</sup>, Tiginyanu Ion<sup>1</sup>, Faupel Franz<sup>2</sup>, Adelung Rainer<sup>2</sup>, Lupan Oleg<sup>1,2</sup>*

<sup>1</sup> Technical University of Moldova,

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#### **Materials Science in Semiconductor Processing**

Vol. 49, / 2016 / ISSN 1369-8001 / ISSN<sub>e</sub> 1873-4081

Disponibil online 17 December, 2017. Descarcări-0. Vizualizări-919

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**Non-planar nanoscale p-p heterojunctions formation in  $ZnxCu_{1-x}O_y$  nanocrystals by mixed phases for enhanced sensors**

*Lupan Oleg<sup>1,2</sup>, Crețu Vasilii<sup>2</sup>, Postica Vasile<sup>2</sup>, Polonskyi Oleksandr<sup>1</sup>, Ababii Nicolai<sup>2</sup>, Schutt Fabian<sup>1</sup>, Kaidas Victor<sup>1</sup>, Faupel Franz<sup>1</sup>, Adelung Rainer<sup>1</sup>*

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**Sensors and Actuators, B: Chemical**

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Disponibil online 5 December, 2022. Descarcări-0. Vizualizări-273

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**Three-dimensional flexible ceramics based on interconnected network of highly porous pure and metal alloyed ZnO tetrapods** 

*Grottrup Jorit<sup>1</sup>, Paulowicz Ingo<sup>1</sup>, Schuchardt Arnim<sup>1</sup>, Kaidas Victor<sup>1</sup>, Kaps Soren<sup>1</sup>, Lupan Oleg<sup>1,2</sup>, Adelung Rainer<sup>1</sup>, Mishra Yogendra Kumar<sup>1</sup>*

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