

## [Al-Daffaie S.](#)

Publicații peste hotare - **3.**

Publicații indexate în SCOPUS - **3.** Teze/Rezumate în culegeri - **2.**

### **2018 - 1**

#### **Effect of Si-doping of the GaN barrier on the internal quantum efficiency of InGaN/GaN light-emitting diodes**

*Sirkeli Vadim<sup>1</sup>, Yilmazoglu Oktay<sup>1</sup>, Al-Daffaie S.<sup>1</sup>, Oprea I.<sup>1</sup>, Ong Duu Sheng<sup>2</sup>, Kuppers Franko<sup>1</sup>, Hartnagel Hans Ludwig<sup>1</sup>*

<sup>1</sup> Institute of Microwave Engineering and Photonics, Technical University of Darmstadt,

<sup>2</sup> Multimedia University

#### **Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 2 August, 2019. Descarcări-27. Vizualizări-676

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### **2017 - 3**

#### **1.33 THz room-temperature quantum cascade lasers based on ZnMgSe/ZnSe**

*Sirkeli Vadim<sup>1,2</sup>, Yilmazoglu Oktay<sup>1</sup>, Al-Daffaie S.<sup>1</sup>, Preu Sascha<sup>1</sup>, Kuppers Franko<sup>1</sup>, Hartnagel Hans Ludwig<sup>1</sup>*

<sup>1</sup> Technical University Darmstadt,

<sup>2</sup> Comrat State University

#### **International Conference on Infrared, Millimeter, and Terahertz Waves IRMMW-THz**

Nr. 1(22) / 2013 / ISSN 1857-0240 / ISSN<sub>e</sub> 2537-6330

Disponibil online 22 February, 2023. Descarcări-0. Vizualizări-233

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#### **Efficiency enhancement of InGaN/GaN light-emitting diodes with pin-doped GaN quantum barrier**

*Sirkeli Vadim<sup>1</sup>, Yilmazoglu Oktay<sup>1</sup>, Al-Daffaie S.<sup>1</sup>, Oprea I.<sup>1</sup>, Ong Duu Sheng<sup>2</sup>, Kuppers Franko<sup>1</sup>, Hartnagel Hans Ludwig<sup>1</sup>*

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<sup>2</sup> Multimedia University

#### **Journal of Physics D: Applied Physics**

Vol. 50, / 2017 / ISSN 0022-3727 / ISSN<sub>e</sub> 1361-6463

Disponibil online 21 February, 2023. Descarcări-0. Vizualizări-160

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#### **Resonant tunneling transport in $Zn_xBe_{1-x}Se/ZnSe/Zn_yBe_{1-y}Se$ asymmetric quantum structures**

*Sirkeli Vadim<sup>1</sup>, Yilmazoglu Oktay<sup>1</sup>, Al-Daffaie S.<sup>1</sup>, Oprea I.<sup>1</sup>, Ong Duu Sheng<sup>2</sup>, Kuppers Franko<sup>1</sup>, Hartnagel Hans Ludwig<sup>1</sup>*

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<sup>2</sup> Multimedia University

#### **Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 1 / 2012 / ISSN 1857-4440 / ISSN<sub>e</sub> 2587-3393

Disponibil online 22 February, 2023. Descarcări-0. Vizualizări-247

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**2016 - 1**

**Internal quantum efficiency enhancement of InGaN/GaN LEDs with Mg-Si pin-doped GaN quantum barrier**

*Kuppers Franko<sup>1</sup>, Sirkeli Vadim<sup>12</sup>, Yilmazoglu Oktay<sup>1</sup>, Al-Daffaie S.<sup>1</sup>, Oprea I.<sup>1</sup>, Ong Duusheng<sup>3</sup>*

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