

## Koenraad Paul M.

Articole în reviste din RM - 1. Publicații peste hotare - 6.  
Publicații indexate în SCOPUS - 5. Teze/Rezumate în culegeri - 1.

### 2009 - 1

#### **Electronic and excitonic properties of self-assembled semiconductor quantum rings**

*Fomin Vladimir<sup>1234</sup>, Gladilin Vladimir<sup>245</sup>, Devreese Josef T.<sup>23</sup>, Blokland Janneke H.<sup>6</sup>, Christianen Peter C.M.<sup>6</sup>, Maan Jan Cornelius<sup>6</sup>, Taboada Alfonso Gonzalez<sup>7</sup>, Granados Daniel<sup>7</sup>, Garcia Jorge M.<sup>7</sup>, Kleemans N. A.J.M.<sup>3</sup>, Van Genuchten H. C.M.<sup>3</sup>, Bozkurt Murat<sup>3</sup>, Koenraad Paul M.<sup>3</sup>*

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

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### 2008 - 3

#### **Electron and exciton energy spectra in self-assembled InGaAs/GaAs ring-like nanostructures**

*Fomin Vladimir<sup>123</sup>, Gladilin Vladimir<sup>12</sup>, Devreese Josef T.<sup>13</sup>, Kleemans N. A.J.M.<sup>3</sup>, Bozkurt Murat<sup>3</sup>, Koenraad Paul M.<sup>3</sup>*

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#### **Moldavian Journal of the Physical Sciences**

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#### **Electron and exciton energy spectra in self-assembled InGaAs/GaAs ring-like nanostructures**

*Fomin Vladimir<sup>123</sup>, Gladilin Vladimir<sup>13</sup>, Devreese Josef T.<sup>12</sup>, Kleemans N. A.J.M.<sup>2</sup>, Bozkurt Murat<sup>2</sup>, Koenraad Paul M.<sup>2</sup>*

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#### **Physica Status Solidi (B) Basic Research**

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#### **Energy spectra and oscillatory magnetization of two-electron self-assembled In<sub>x</sub>Ga<sub>1-x</sub>As quantum rings in GaAs**

*Fomin Vladimir*<sup>123</sup>, *Gladilin Vladimir*<sup>134</sup>, *Devreese Josef T.*<sup>21</sup>, *Kleemans N. A.J.M.*<sup>2</sup>, *Koenraad Paul M.*<sup>2</sup>

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## **Physical Review B - Condensed Matter and Materials Physics**

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## **2007 - 2**

### **Oscillatory persistent currents in self-assembled quantum rings**

*Kleemans N. A.J.M.*<sup>1</sup>, *Bominaar-Silkens Iris M. A.*<sup>2</sup>, *Fomin Vladimir*<sup>134</sup>, *Gladilin Vladimir*<sup>34</sup>, *Granados Daniel*<sup>5</sup>, *Taboada Alfonso Gonzalez*<sup>5</sup>, *Garcia Jorge M.*<sup>5</sup>, *Offermans Peter*<sup>1</sup>, *Zeitler Ulrich*<sup>2</sup>, *Christianen Peter C.M.*<sup>2</sup>, *Maan Jan Cornelius*<sup>2</sup>, *Devreese Josef T.*<sup>13</sup>, *Koenraad Paul M.*<sup>1</sup>

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## **Physical Review Letters**

Vol. 99, / 2007 / ISSN 0031-9007

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### **Theory of electron energy spectrum and Aharonov-Bohm effect in self-assembled Inx Ga1-x As quantum rings in GaAs**

*Fomin Vladimir*<sup>12</sup>, *Gladilin Vladimir*<sup>134</sup>, *Klimin Serghei*<sup>13</sup>, *Devreese Josef T.*<sup>12</sup>, *Kleemans N. A.J.M.*<sup>2</sup>, *Koenraad Paul M.*<sup>2</sup>

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## **2006 - 1**

### **Observation of the Aharonov-Bohm effect in self-assembled nanovolcanoes**

*Fomin Vladimir*<sup>123</sup>, *Gladilin Vladimir*<sup>14</sup>, *Kleemans N. A.J.M.*<sup>2</sup>, *Bominaar-Silkens Iris M. A.*<sup>5</sup>, *Granados del Aguila Andres*<sup>6</sup>, *Taboada Alfonso Gonzalez*<sup>6</sup>, *Garcia Jorge M.*<sup>6</sup>, *Offermans Peter*<sup>2</sup>, *Zeitler Ulrich*<sup>5</sup>, *Christianen Peter C.M.*<sup>5</sup>, *Maan Jan Cornelius*<sup>5</sup>, *Devreese Josef T.*<sup>12</sup>, *Autor Nou*, *Koenraad Paul M.*<sup>2</sup>

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## Materials Science and Condensed Matter Physics

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### 2005 - 1

#### Atomic-scale structure of self-assembled In(Ga)As quantum rings in GaAs

*Offermans Peter<sup>1</sup>, Koenraad Paul M.<sup>1</sup>, Wolter J.H.<sup>1</sup>, Granados Daniel<sup>2</sup>, Garcia Jorge M., Fomin Vladimir<sup>3,4</sup>, Gladilin Vladimir<sup>3,4</sup>, Devreese Josef T.<sup>3,1</sup>*

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#### Applied Physics Letters

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