

## [Gorincioi Natalia](#)


3. Articole în reviste din RM

3.1. Articole în reviste științifice din RM (perioada în care au avut categorie de clasificare + 2 numere până la aprobarea statutului de publicație științifică)

3.1.5. Articole în reviste științifice din RM (până în 2009) - 3

Teze/Rezumate în culegeri - [14](#).

### 2023 - 1

**DFT study of structural features of caffeic acid and quercetin responsible for realization of possible synergistic effect in their joint reaction with the cation-radical ABTS** 

*Gorbachev Mikhail, Gorinchoy Natalia, Balan Iolanta*

Institute of Chemistry, MSU

**Advanced materials to reduce the impact of toxic chemicals on the environment and health"**

Nr. 4(45) / 2009 / ISSN 0013-5739 / ISSN<sub>e</sub> 2345-1718

Disponibil online 23 September, 2023. Descarcări-2. Vizualizări-211

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### 2022 - 6

**Immune response modeling under viral load** 

*Yaltychenko Olga<sup>1</sup>, Gorinchoy Natalia<sup>2</sup>, Duka Gh.<sup>2</sup>*

<sup>1</sup> Institute of Applied Physics,


<sup>2</sup> Institute of Chemistry

**Ecological and environmental chemistry - 2022**

Nr. 2 / 2014 / ISSN 1857-4440 / ISSN<sub>e</sub> 2587-3393

Disponibil online 4 March, 2022. Descarcări-3. Vizualizări-460

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**Ionic quasi-splet mechanism of the interaction of some organic antioxidant acids with the radicals ABTS•+ and DPPH•** 

*Gorbachev Mikhail, Gorinchoy Natalia, Balan Iolanta*

Institute of Chemistry

**Ecological and environmental chemistry - 2022**

Nr. 2 / 2014 / ISSN 1857-4440 / ISSN<sub>e</sub> 2587-3393

Disponibil online 3 March, 2022. Descarcări-5. Vizualizări-459

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**Molecular orbital nature of the atmospheric reactions between the NO<sub>3</sub> radical and C<sub>3</sub> - C<sub>10</sub> n-alkanes: dft study** 

*Gorbachev Mikhail, Gorinchoy Natalia*

Institute of Chemistry

**Ecological and environmental chemistry - 2022**

Nr. 2 / 2014 / ISSN 1857-4440 / ISSN<sub>e</sub> 2587-3393

Disponibil online 2 March, 2022. Descarcări-17. Vizualizări-446

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**Synergy effect of vitamins E and C on the example of lipid peroxidation reaction** 

Yaltychenko Olga, Kanarovskiy Evghenii, Gorinchoy Natalia

Institute of Applied Physics

**Ecological and environmental chemistry - 2022**

Nr. 2 / 2014 / ISSN 1857-4440 / ISSNe 2587-3393

Disponibil online 4 March, 2022. Descarcări-5. Vizualizări-405

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**The h-bond in environmental redox processes as a pseudo-Jahn-Teller effect** 

Gorinchoy Natalia<sup>1</sup>, Balan Iolanta<sup>1</sup>, Gorbachev Mikhail<sup>1</sup>, Arsene Ion<sup>1,2</sup>, Polinger Victor<sup>3</sup>, Duka Gh.<sup>1</sup>, Bersuker Isaac<sup>4</sup>

<sup>1</sup> Institute of Chemistry,

<sup>2</sup> Tiraspol State University,

<sup>3</sup> University of Washington,

<sup>4</sup> University of Texas at Austin

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Nr. 2 / 2014 / ISSN 1857-4440 / ISSNe 2587-3393

Disponibil online 2 March, 2022. Descarcări-15. Vizualizări-527

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**Theoretical study of the three-stages radical mechanism of the reaction of dihydroxyfumaric acid with the stable radical DPPH•** 

Arsene Ion<sup>1,2</sup>, Gorinchoy Natalia<sup>1</sup>, Gorbachev Mikhail<sup>1</sup>

<sup>1</sup> Institute of Chemistry,

<sup>2</sup> Tiraspol State University

**Ecological and environmental chemistry - 2022**

Nr. 2 / 2014 / ISSN 1857-4440 / ISSNe 2587-3393

Disponibil online 2 March, 2022. Descarcări-7. Vizualizări-507

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**2017 - 2**

**Acceleration of some dicarboximide groupe fungicides decay by titanium dioxide additive: experimental evidence and quantum-chemical background of common mechanism**

Osipov Ivan<sup>1</sup>, Da Silva José P.<sup>2</sup>, Gorbachev Mikhail<sup>1</sup>, Gorinchoy Natalia<sup>1</sup>

<sup>1</sup> Institute of Chemistry of the Academy of Sciences of Moldova,

<sup>2</sup> University of Algarve

**Ecological and environmental chemistry - 2017**

Nr. 6(30) / 2006 / ISSN 1810-9551

Disponibil online 15 March, 2019. Descarcări-1. Vizualizări-911

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**Sunlight induced decay of iprodione on titanium dioxide surface: LC-MS chromatography and DFT evidence**

Gorbachev Mikhail, Gorinchoy Natalia, Osipov Ivan

Institute of Chemistry of the Academy of Sciences of Moldova

**Ecological and environmental chemistry - 2017**

Nr. 6(30) / 2006 / ISSN 1810-9551

Disponibil online 15 March, 2019. Descarcări-3. Vizualizări-914

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**2016 - 2**

**Kinetic study of antioxidant activity of vitamin E and its derivative**

*Yaltychenko Olga<sup>1</sup>, Kanarovsky Evghenii<sup>1</sup>, Gorinchoy Natalia<sup>2</sup>, Gorbachev Mikhail<sup>2</sup>*

<sup>1</sup> Institute of Applied Physics, Academy of Sciences of Moldova,

<sup>2</sup> Institute of Chemistry of the Academy of Sciences of Moldova

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 1 August, 2019. Descarcări-0. Vizualizări-968

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**Stable macromolecular complex "CdSe quantum dot+oleic acid molecule+γ-cyclodextrin":  
NMR and quantum-chemical studies**

*Geru Ion, Barba Alic, Gorbachev Mikhail, Gorinchoy Natalia, Arsene Ion*

Institute of Chemistry of the Academy of Sciences of Moldova

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 31 July, 2019. Descarcări-2. Vizualizări-972

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**2010 - 1**

**NNN 15 P Role of mixed valence states in metal-TCNQ charge transfer complexes**

*Yaltychenko Olga<sup>1</sup>, Kanarovsky Evghenii<sup>1</sup>, Gorinchoy Natalia<sup>2</sup>*

<sup>1</sup> Institute of Applied Physics,

<sup>2</sup> Institute of Chemistry

**Materials Science and Condensed Matter Physics**

Nr. 16(29) / 2012 / ISSN 1857-0054

Disponibil online 21 April, 2021. Descarcări-0. Vizualizări-559

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