

Gorbaciov Mihail

5. Publicații la manifestări din RM

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Evidența DFT a interacțiunii sinergice dintre unele flavanoide și acizi fenolici în reacțiile lor comune cu ABTS+•

Gorbaciov Mihail, Gorincioi Natalia, Bălan Iolanta

Institutul de Chimie

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Evidența DFT a interacțiunii sinergice dintre unele flavanoide și acizi fenolici în reacțiile lor comune cu ABTS+•

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DFT evidence of mutual antioxidant action of caffeic acid and glutathione in their reactions with ABTS+•

Gorbachev Mikhail, Gorinchoy Natalia, Balan Iolanta

Institute of Chemistry, MSU

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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

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

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Bălan Iolanta, Gorbaciov Mihail, Gorincioi Natalia

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Gorbaciov Mihail, Gorincioi Natalia, Bălan Iolanta, Arsene Ion

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Confirmarea DFT a formării complexilor cu transfer de sarcină în reacții ale acizilor organici antioxidanți cu radicalii DPPH• și ABTS•+: rolul crucial al solvenților

Gorbaciov Mihail¹, Gorincioi Natalia¹, Bălan Iolanta¹, Arsene Ion¹²

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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

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Gorbachev Mikhail, Gorinchoy Natalia

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Disponibil online 2 March, 2022. Descarcări-17. Vizualizări-450



Originea pseudo Jahn-Teller a barierei de energie a transferului de proton în dimerii protonați

Bălan Iolanta¹, Gorbaciov Mihail¹, Gorincioi Natalia¹, Arsene Ion¹²

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Studiul teoretic a mecanismului procesului de inhibare a radicalului liber DPPH• sub acțiunea vitaminei C

Arsene Ion^{1,2}, Gorincioi Natalia², Gorbaciov Mihail², Arsene Ion¹

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² Institutul de Chimie

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

Gorinchoy Natalia¹, Balan Iolanta¹, Gorbachev Mikhail¹, Arsene Ion^{1,2}, Polinger Victor³, Duka Gh.¹, Bersuker Isaac⁴

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Ecological and environmental chemistry - 2022

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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^{1,2}, Gorinchoy Natalia¹, Gorbachev Mikhail¹

¹ Institute of Chemistry,

² Tiraspol State University

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Identificarea teoretică a mecanismului la prima etapă a procesului de inhibare a radicalului liber dpph• sub acțiunea acidului dihidroxifumaric

Arsene Ion^{1,2}, Gorincioi Natalia², Gorbaciov Mihail²

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Vol. 18, Nr. 2(24) / 2010 / ISSN 1561-2848

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Studiul DFT al particularităților structurale și activității antioxidante a unui șir de acizi hidroxicinamici

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DFT evidence of proton-induced decay of the fungicide, iprodione, on TiO₂ surface under solar irradiation

Gorbachev Mikhail, Gorinchoy Natalia, Osipov Ivan

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Gorbachev Mikhail, Arsene Ion, Gorinchoy Natalia

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Gorbachev Mikhail, Gorinchoy Natalia

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

Osipov Ivan¹, Da Silva José P.², Gorbachev Mikhail¹, Gorinchoy Natalia¹

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Ecological and environmental chemistry - 2017

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

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

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Kinetic study of antioxidant activity of vitamin E and its derivative

Yaltychenko Olga¹, Kanarovsky Evghenii¹, Gorinchoy Natalia², Gorbachev Mikhail²

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Materials Science and Condensed Matter Physics

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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

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

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Accelerated decay of pesticides: breaking of the C-O bond in vinclozolin by its adsorption on TiO₂ surface

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Comparative DFT study of interaction between dimethyldihydroxyfumarate and its precursor acid with the stable radical DPPH*

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Nr. 1 / 2009 / ISSN 1857-0046

Disponibil online 27 May, 2020. Descarcări-0. Vizualizări-660

Surface tension of organic liquids defined by means of DFT calculations

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The most stability of [CRN(OCH₃)₂N((CH₃)₃COO)N] with N=10: quantum-chemical evidence

Gorbachev Mikhail, Dobrova Bella, Pelyakh M., Dimoglo Anatholy

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Theoretical study of the relative stability of [CRNFN((CH₃)₃COO)₂N]

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