

Gorbaciov Mihail

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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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Vol. 31, / 2016 / ISSN 0268-1242

Disponibil online 21 June, 2024. Descarcări-0. Vizualizări-22

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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Gorbachev Mikhail, Gorinchoy Natalia, Balan Iolanta

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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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Gorbachev Mikhail, Gorinchoy Natalia

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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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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

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² Tiraspol State University

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

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

¹ Universitatea de Stat din Tiraspol,

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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

Institute of Chemistry

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Gorbachev Mikhail, Gorinchoy Natalia

Institute of Chemistry

Achievements and perspectives of modern chemistry

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Disponibil online 5 November, 2019. Descarcări-3. Vizualizări-840

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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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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

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

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Kinetic study of antioxidant activity of vitamin E and its derivative

Yaltychenko Olga¹, Kanarovsky Evghenii¹, Gorinchoy Natalia², Gorbachev Mikhail²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

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Disponibil online 1 August, 2019. Descarcări-0. Vizualizări-974

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

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Disponibil online 31 July, 2019. Descarcări-2. Vizualizări-986

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DFT study of the host-guest complex (HGC) between γ - cyclodextrin and cis-oleic acid

Gorbachev Mikhail, Gorinchoy Natalia, Arsene Ion, Geru Ion

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Gorbachev Mikhail, Gorinchoy Natalia, Osipov Ivan

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Gorbachev Mikhail, Arsene Ion, Gorinchoy Natalia

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Disponibil online 21 April, 2020. Descarcări-0. Vizualizări-728

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

Gorbachev Mikhail, Gorinchoy Natalia, Osipov Ivan

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The International Conference dedicated to the 55th anniversary from the foundation of the Institute of Chemistry of the Academy of Sciences of Moldova

Nr. 3(54) / 2010 / ISSN 1561-4042 / ISSNe 2587-4330

Disponibil online 22 January, 2019. Descarcări-1. Vizualizări-878

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

Gorbachev Mikhail, Gorinchoy Natalia, Arsene Ion

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Physical Methods in Coordination and Supramolecular Chemistry

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

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Gorbachev Mikhail, Arsene Ion, Budei Olga, Gorinchoy Natalia

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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

Institute of Chemistry of the Academy of Sciences of Moldova

Чугаевская конференция по координационной химии

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Dobrova Bella, Gorbachev Mikhail, Dimoglo Anatholy

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Чугаевская конференция по координационной химии

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Disponibil online 27 May, 2020. Descarcări-0. Vizualizări-749



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