

**Adsorption and kinetics studies of Cr (VI) by graphene oxide and reduced graphene oxide-zinc oxide nanocomposite**

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**Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts**

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**Anticancer Effect of the Iridoid Glycoside Fraction from Dipsacus fullonum L. Leaves**

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**Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secoosterols**

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**Biological nanofactories : using living forms for metal nanoparticle synthesis**

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**Calcium, Barium and Strontium apatites : a new generation of catalysts in the Biginelli reaction**

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**Capillary electrophoresis as a monitoring tool for flow composition determination**

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**Chemical Composition and Antibacterial Effect of Mentha spp. Grown in Estonia**

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**Complexes of HXeY with HX (Y, X = F, Cl, Br, I) : symmetry-adapted perturbation theory study and anharmonic vibrational analysis**

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**Composition and antibacterial effect of mint flavorings in candies and food supplements**

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**Development and optimisation of HILIC-LC-MS method for determination of carbohydrates in fermentation samples**

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**Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties**

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**Development of potent microtubule targeting agent by structural simplification of natural diazonamide**

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**Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- b peptide 1-42 but not amylin and insulin fibrils can**

#### grow under quiescent conditions

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#### Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO<sub>2</sub> thin films

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#### Enantioselective cyclopropanation of carboxylic esters with alkyl magnesium bromides in the presence of titanium(IV) (4R,5R)-TADDOLates

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#### Evaluation of Zn<sup>2+</sup>- and Cu<sup>2+</sup>-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS

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#### Extraction and fractionation of bioactives from *Dipsacus fullonum* L. leaves and evaluation of their anti-borrelia activity

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#### Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones

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### Oviduct as a sensor of embryo quality: deciphering the extracellular vesicle (EV)-mediated embryo-maternal dialogue

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### Self-assembly of chiral cyclohexanohemicucurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding

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### Sonogashira cross-coupling of 3-bromo-1,2-diones : an access to 3-alkynyl-1,2-diones

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### Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC

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**The use of anhydrous barium hydroxide for selective alkylation of dialkyloxy-tert-butyl-calix[4]arenes**

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**Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents**

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**Towards the total synthesis of 9,11-secoesterol: Linking A,B- and D-rings with Michael addition to sulfone-activated cyclopentenone**

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