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College: Chemistry

Papers in Journals

1. S Khadivi et al.,Chitosan/platinum nanocubes/Mn(TPDCA)2-modified glassy carbon electrodes for the electrochemical quantification of amlodipine in unprocessed plasma samples,BMC chemistry,2024.
2. Biocompatible citrate-cysteine complexes of manganese as effective antioxidants: Experimental and computational studies,Journal of Molecular Structure,2024.
3. M Pirouzmand et al.,Synthesis, characterization, and antioxidant efficiency of CoCu/(CDhis) complex,Inorganic Chemistry Communications,2024.
4. Tyrosine-cyclodextrin inclusion complexes of cobalt and copper as biocompatible radical scavengers,Journal of Molecular Structure,2023.
5. M Shojaei , M Pirouzmand , M Khatamian,Incorporation of tyrosine in the Co/MCM-41: Green and efficient peroxidase mimetic,Polyhedron,2023.
6. S Valizadeh, Z Ghasemi, A Shahrisa, M Pirouzmand, R Kabiri,CuI incorporated magnetic iminochitosan as an efficient catalyst for the synthesis of N-sulfonylamidines possessing 2-formylpyrrole moiety and their subsequent reactions to the synthesis of isoxazole-5-one hybrid derivatives,Reactive and Functional Polymers,2022.
7. M Pirouzmand , B Nikzad Kojanag , SA Hosseini-Yazdi , N Aghabeigy,Green synthesis of cobalt and iron incorporated citric acid/-cyclodextrin composites: Efficient H2O2 scavengers,Applied Organometallic Chemistry,2022.
8. M Pirouzmand , A Rasooli , B Nikzad , Kojanag،Transesterification of Canola Oil for Biodiesel Production in the Presence of Mg-Ca/MCM-41; The Template effect،Chemistry Reseaches،2021.
9. M Pirouzmand, PS Sani, Z Ghasemi, S Azizi,Citric acid-crosslinked -cyclodextrin supported zinc peroxide as a biocompatible H2O2 scavenger,Journal of Biological Inorganic Chemistry,2020.
10. EF Oskuie et al.,Zn/MCM-41-catalyzed unsymmetrical Hantzsch reaction and the evaluation of optical properties and anti-cancer activities of the polyhydroquinoline products,Monatshefte fur Chemie,2020.
11. S Valizadeh et al.,Magnetic chitosan nanocomposite: As a novel catalyst for the synthesis of new derivatives of N-sulfonylamidine and N-sulfonylimidate,Carbohydrate Polymers,2019.
12. B Nikzad-Kojanag , M Pirouzmand , SA Hosseini-Yazdi,Ultrasound-assisted green synthesis of Cu-based complexes of -cyclodextrin and their SOD-like activity,Applied Organometallic Chemistry,2019.
13. M Pirouzmand ,& M Mahdavi Anakhatoon,-Cyclodextrin containing Co/MCM-41 as a catalyst for the production of biodiesel from waste cooking oil,Environmental Progress & Sustainable Energy,2018.
14. M Pirouzmand , M Asadi , A Mohammadi,The remarkable activity of template-containing Mg/MCM-41 and Ni/MCM-41 in CO2 sequestration,Greenhouse Gases: Science and Technology,2018.
15. Effect of Preparation Methods and Pluronic Template on the Catalytic Activity of Ca/SBA-15،Iranian

Journal of Chemistry and Chemical Engineering،2018.
16. M Pirouzmand , MM Anakhatoon , Z Ghasemi,One-step biodiesel production from waste cooking oils over metal incorporated MCM-41; positive effect of template,Fuel,2018.
17. M Pirouzmand , AM Gharehbaba , Z Ghasemi , SA Khaaje,One-step biodiesel production[CTA] Fe/MCM-41: An efficient and reusable catalyst for green synthesis of xanthene derivatives,Arabian journal of chemistry,2017.
18. Catalytic Capture of CO2 with Template-Containing Zn/MCM-41 and Its Transformation to Solid Carbonate,Journal of the Brazilian Chemical Society,2016.
19. M Pirouzmand, AM Gharehbaba, Z Ghasemi,Synthesis of xanthene derivatives using Template-containing Zn/MCM-41 as a green and reusable catalyst; Effect of the Template,Journal of the Mexican Chemical Society,2016.
20. Zn2+/MCM-41 catalyzed Biginelli reaction of heteroaryl aldehydes and evaluation of the antimicrobial activity and cytotoxicity of the pyrimidone products,Tetrahedron Letters,2015.
21. Surfactant containing Ca/MCM-41 as a highly active, green and reusable catalyst for the transesterification of canola oil,Catalysis Communications,2015.
22. M Pirouzmand , MM Amini , N Safari , T Hamoule,Immobilization of cobalt phthalocyanine and tetrasulfophthalocyanine onto MCM-41 and MCM-48: effect of immobilization method on catalytic activity,Journal of the Brazilian Chemical Society,2013.
23. HR Khavasi , K Sasan , M Pirouzmand , SN Ebrahimi,Highly Efficient Isobutyraldehyde-Mediated Epoxidation of Cyclic Alkenes with Dioxygen Catalyzed by a Novel Dimeric Manganese(II) Complex Containing an Easy-to-Prepare Flexible Carboxamide Ligand,Inorganic chemistry,2009.
24. M Pirouzmand , MM Amini , N Safari,Immobilization of iron tetrasulfophthalocyanine on functionalized MCM-48 and MCM-41 mesoporous silicas: catalysts for oxidation of styrene,Journal of colloid and interface science,2008.
25. M Pirouzmand , MM Amini , N Safari,Microwave-assisted immobilization of metallophthalocyanines in mesoporous channels of MCM-41,Journal of Porphyrins and Phthalocyanines,2007.
26. N Safari, PR Jamaat, M Pirouzmand, A Shaabani,Synthesis of metallophthalocyanines using microwave irradiation under solvent free and reflux conditions,Journal of Porphyrins and Phthalocyanines,2004.