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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/(β -CDHis) complex, *Inorganic Chemistry Communications*, 2024.
4. Tyrosine- β -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 Shahrissa, M Pirouzmand, R Kabiri, CuI incorporated magnetic iminichitosan 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/ β -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 Researches*, 2021.
9. M Pirouzmand, PS Sani, Z Ghasemi, S Azizi, Citric acid-crosslinked β -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 für 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 β -cyclodextrin and their SOD-like activity, *Applied Organometallic Chemistry*, 2019.
13. M Pirouzmand, & M Mahdavi Anakhatoon, β -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*

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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.
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25. M Pirouzmand , MM Amini , N Safari, Microwave-assisted immobilization of metallophthalocyanines in mesoporous channels of MCM-41, *Journal of Porphyrins and Phthalocyanines*, 2007.
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