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Major: Organic chemistry

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EDUCATION

Kashan University Ph.D., Organic Chemistry September 2000 – June 2005

Kashan University M.S., Organic Chemistry September 1998-September 2000

Yazd University B.S., Chemistry September 1994-July 1998

Ph.D. student under supervision of Prof. Hossein Naeimi

Title of the thesis :“ Preparation of Asymmetric, Catalytic Nanoreactors Via Immobilization of Some New Chiral Schiff base Complexes on Nanoporous Structures and Study of their Catalytic Effects in Organic Reactions

M.S. student under supervision of Prof. Hossein Naeimi

RESEARCH INTERESTS

Catalysis

Nanomaterials

Synthesis of new organic compounds

PUBLICATIONS

Journal Papers[1-17]



- [1] M. Moradian, P. Torabi, Preparation of Ag₂S Nanoparticles and using as Catalyst for the A₃-coupling (Aldehyde-Amine-Alkyne) Reaction, *Journal of Nanostructures*, (2018) -.
- [2] S. Dadkhah-Tehrani, M. Shabani-Nooshabadi, M. Moradian, A green approach for the electroorganic synthesis of 2-[(4-methyl-2-pyridyl)amino]-1,4-benzenediol derivatives in aqueous solution, *Journal of the Iranian Chemical Society*, 15 (2018) 171-179.
- [3] M. Shabani-Nooshabadi, M. Moradian, S. Dadkhah-Tehrani, A practical one-pot electrochemical synthesis of pyrimido[4,5-b]indole derivatives, *Bulletin of the Chemical Society of Japan*, 90 (2017) 68-73.
- [4] M. Shabani-Nooshabadi, M. Moradian, S. Dadkhah-Tehrani, Electrochemical synthesis of some 6-amino-5-hydroquinone-1,3-dimethyluracil derivatives: A green, simple and efficient strategy, *J. Electrochem. Soc.*, 164 (2017) G10-G16.
- [5] H. Naeimi, R. Shaabani, M. Moradian, Functionalized graphene oxide supported copper (I) complex as effective and recyclable nanocatalyst for one-pot three component synthesis of 1,2,3-triazoles, *Appl. Organomet. Chem.*, 31 (2017).
- [6] H. Naeimi, A. Raeisi, M. Moradian, Microwave assisted chemistry: A rapid and regioselective route for direct ortho-acylation of phenols and naphthols by methanesulfonic acid as catalyst, *Arabian Journal of Chemistry*, 10 (2017) S2723-S2728.
- [7] M. Moradian, A. Amini, H. Naeimi, ZnCl₂@MWCNTs nanocomposite as an efficient and reusable catalyst for direct regioselective ortho C-acylation of phenolic compounds under solvent-free and microwave conditions, *Green Chemistry Letters and Reviews*, 10 (2017) 228-234.
- [8] H. Naeimi, S. Dadashzadeh, M. Moradian, Facile and efficient sonochemical synthesis of 1,4-disubstituted 1,2,3-triazole derivatives catalyzed by CuI under mild conditions, *Res. Chem. Intermed.*, 41 (2015) 2687-2695.
- [9] H. Naeimi, M. Moradian, Thioether-based copper(I) Schiff base complex as a catalyst for a direct and asymmetric A₃-coupling reaction, *Tetrahedron Asymmetry*, 25 (2014) 429-434.



- [10] H. Naeimi, F. Kiani, M. Moradian, ZnS nanoparticles as an efficient and reusable heterogeneous catalyst for synthesis of 1-substituted-1H-tetrazoles under solvent-free conditions, *J. Nanopart. Res.*, 16 (2014).
- [11] H. Naeimi, A. Amini, M. Moradian, Regioselective direct ortho C-acylation of phenol and naphthol derivatives catalyzed by modified ZnCl₂ on Al₂O₃ as catalyst under solvent-free and microwave conditions, *Organic Chemistry Frontiers*, 1 (2014) 415-421.
- [12] M. Mazloum-Ardakani, L. Hosseinzadeh, A. Khoshroo, H. Naeimi, M. Moradian, Simultaneous determination of isoproterenol, acetaminophen and folic acid using a novel nanostructure-based electrochemical sensor, *Electroanalysis*, 26 (2014) 275-284.
- [13] H. Naeimi, M. Moradian, Efficient synthesis and characterization of some novel nitro-schiff bases and their complexes of nickel(II) and copper(II), *Journal of Chemistry*, (2013).
- [14] H. Naeimi, M. Moradian, Copper(I)-N₂S₂-salen type complex covalently anchored onto MCM-41 silica: An efficient and reusable catalyst for the A₃-coupling reaction toward propargylamines, *Appl. Organomet. Chem.*, 27 (2013) 300-306.
- [15] H. Naeimi, M. Moradian, Encapsulation of copper(I)-Schiff base complex in NaY nanoporosity: An efficient and reusable catalyst in the synthesis of propargylamines via A₃-coupling (aldehyde-amine-alkyne) reactions, *Applied Catalysis A: General*, 467 (2013) 400-406.
- [16] H. Naeimi, F. Kiani, M. Moradian, Facile and mild synthesis of 1-substituted-1H-1,2,3,4-tetrazoles catalyzed by methanesulfonic acid under solvent-free conditions, *Iranian Journal of Catalysis*, 3 (2013) 243-247.
- [17] M. Moradian, M. Moradian, Z. Boroumand, A New and Efficient Method for the Adsorption and Separation of Arsenic Metal Ion from Mining Waste Waters of Zarshouran Gold Mine by Magnetic Solid-Phase Extraction with Modified Magnetic Nanoparticles, *International Journal of Nanoscience and Nanotechnology*, 9 (2013) 121-126.