



Abdolhamid Bamoniri

Professor

College: Faculty of Chemistry

Department: Organic Chemistry

Education

Degree	Graduated in	Major	University
BSc	1984	Pure Chemistry	Shahid Beheshti University
MSc	1988	Organic Chemistry	Kharazmi University
Ph.D	2004	Organic Chemistry	Bu-Ali Sina University

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Universityb of Kashan	Professor	Tenured	Full Time	32

Papers in Conferences

1. [Synthesis of 2,4,5-tri substituted imidazole derivatives in the presence of nano kaolin supported by Sn\(IV\) tetrachloride under ultrasonic conditions](#), 22nd Iranian Chemistry Congress, 1 - 13 05 2024, تهران.
2. [Synthesis of Coumarin derivatives using biobased Ti \(IV\) under different conditions](#), 22nd Iranian Chemistry Congress, 1 - 13 05 2024, تهران.
3. [Synthesis of pyridopyrimidines using borane trifluoride supported on nanocellulose as a catalyst](#), 22nd Iranian Chemistry Congress, 1 - 13 05 2024, تهران.
4. [Synthesis of N-aryl pyrrole derivatives in the presence of titanium \(IV\) tetrachloride immobilized on nanocellulose](#), 29th Iranian Organic Chemistry Conference, 1 - qom, 2023 11 01.
5. [Synthesis of N-aryl pyrrole derivatives using borane trifluoride supported on nano kaolin in various conditions](#), 29th Iranian Organic Chemistry Conference, 1 - 01 11 2023, قم.
6. [Preparation of perimidines in the presence of titanium \(IV\) chloride supported on silica nanoparticles under different conditions](#), 29th Iranian Organic Chemistry

Conference ,1 - qom ,2023 11 01 .

7. Mehdi Kanani ,Synthesis of 2, 4, 5-trisubstituted imidazole derivatives in the presence of Lewis acid as catalyst in different conditions ,26 07 2022, تبریز , 1 - بیست یکمین کنگره بین المللی شیمی .
8. Mehdi Kanani ,Synthesis of 2, 4, 5-trisubstituted imidazole derivatives in the presence of Lewis acid as catalyst in different conditions ,26 07 2022, تبریز , 1 - بیست یکمین کنگره بین المللی شیمی .
9. Sargol Rostami ,Preparation of Antimony supported on biobased catalyst... بیست و یکمین کنگره بین المللی شیمی , 1 - تبریز , 26 07 2022 .
10. Mehdi Kanani ,Synthesis of 2, 4, 5-trisubstituted imidazole derivatives in the presence of Lewis acid as catalyst in different conditions ,26 07 2022, تبریز , 1 - بیست یکمین کنگره بین المللی شیمی .
11. An environmental eco-friendly approach to the synthesis of azo dyes based on 2-naphthol using solid acid catalyst ,The 27th Iranian conference on organic chemistry-Urmia University- 21-23 Aug- 2019 ,1 - 21 08 2019, ارومیه .
12. Synthesis of 3, 4- dihydropyrimidine-2-(1H)-ones (thiones) in the presence of an efficient and eco-friendly solid acid catalyst under different conditions , بیست و هفتمین کنگره بین المللی شیمی آلی ایران , 1 - ارومیه , 21 08 2019 .
13. Synthesis of some heterocyclic compounds bearing nitrogen atom using magnetite nanoparticles supported on γ -Al₂O₃/BF₃/Fe₃O₄ under different conditions , بیست و هفتمین کنگره بین المللی شیمی آلی ایران , 1 - ارومیه , 21 08 2019 .
14. The first principle computational study for the comparison experimental and theoretical result for 2H-Indazolo[2,1-b]phthalazine-triones , بیست و هفتمین کنگره بین المللی شیمی آلی ایران , 1 - ارومیه , 21 08 2019 .
15. Synthesis of Heterocyclic Compounds Bearing Nitrogen and Oxygen Atoms Using Nano-kaoline/BF₃/Fe₃O₄ Based on Green Chemistry in Different Conditions ,26th Iranian Seminar of Organic Chemistry ,1 - 12 03 2019, زابل .
16. One-Pot Synthesis of 1,4-Dihydropyridines via Hantzsch Reaction Using Nano-kaolin/BF₃/Fe₃O₄ as a Green Catalyst under Solvent-Free Conditions ,26th Iranian Seminar of Organic Chemistry ,1 - 12 03 2019, زابل .
17. A New Approach to the Synthesis of Acylals Using Nano Sawdust/BF₃ as Green Catalyst at Room Temperature under Solvent-free Condition ,A New Approach to the Synthesis of Acylals Using Nano Sawdust/BF₃ as Green Catalyst at Room Temperature under Solvent-free Condition ,1 - 17 09 2018, مشهد .

Papers in Journals

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2. Nahid Yaghmaeiyan, Mahdi Mirzaei, Abdolhamid Bamoniri, Reza Delghavi Khalifelou, One-pot synthesis of highly substituted dihydro-2-oxopyrrols using nano-SnCl₄/ γ -Al₂O₃ as a mild solid lewis acid catalyst, Results in Chemistry, Vol. 10, pp. 1, 2024 07 31, SCOPUS , ISI-Listed.
3. Nahid Yaghmaeiyan, Mahdi Mirzaei, Abdolhamid Bamoniri, Reza Delghavi Khalifelou, Talc: A natural mineral base catalyst for the one pot synthesis of bis (pyrazolyl)methane derivatives under thermal and solvent-free conditions, Results in Chemistry, Vol. 9, pp. 1, 2024 07 14, ISI-Listed , SCOPUS.
4. Nahid Yaghmaeiyan, Mahdi Mirzaei, Abdolhamid Bamoniri, Reza Delghavi Khalifelou, Talc: A natural mineral base catalyst for the one pot synthesis of bis (pyrazolyl)methane derivatives under thermal and solvent-free conditions, Results in Chemistry, Vol. 9, pp. 1, 2024 07 14, SCOPUS , ISI-Listed.
5. Dina Mallah, Bi Bi Fatemeh Mirjalili, Abdolhamid Bamoniri, Carbon nanofiber/taurine-catalyzed synthesis of coumarin and 1,2,4,5-tetra-substituted imidazole derivatives under metal-free conditions, Scientific Reports, Vol. 14, pp. 1, 2024 05 09, SCOPUS , JCR.
6. Arefeh Dehghani Tafti, Bi Bi Fatemeh Mirjalili, Naimeh Salehi, Abdolhamid Bamoniri, Facile and

efficient method for the synthesis of tetrahydrobenzo [b] pyrans and spirooxindoles catalysed by nano-Fe₃O₄@dextrin/Si(CH₂)₃/DABCO as a natural-based nanocatalyst in green media,Iranian Journal of Catalysis,Vol. 14,pp. 1,2024 03 30,SCOPUS ,ISI-Listed.

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8. Abdolhamid Bamoniri, Nahid Yaghmaeiyan and Somayeh Khaje,Synthesis and characterization of highly substituted pyrazoles using silica-phosphoric acid nanoparticles as a recoverable heterogeneous solid acid catalyst,Indian Journal of Chemical Technology,Vol. 30,pp. 476,2023 07 11,SCOPUS ,ISI-Listed.
9. Maryam Aghamohammadsadegh, Abdolhamid Bamoniri and Bi Bi Fatemeh Mirjalili,Synthesis of bis-spiro piperidines using nano γ -alumina supported Sb(V) under ultrasonic irradiation at room temperature conditions,rsc advances,Vol. 13,pp. 15667,2023 07 11,SCOPUS ,JCR.
10. Mina Keihanfar, Bi Bi Fatemeh Mirjalili and Abdolhamid Bamoniri,Sb(III)/Gum Arabic composite as a new natural-based environmentally green catalyst for the one-pot pseudo-four-component synthesis of 2H-indazolo[2,1-b] phthalazinetriones,rsc advances,Vol. 13,pp. 17869,2023 07 05,SCOPUS ,JCR.
11. Saeed Sharifi Sharif Abad, Bi Bi Fatemeh Mirjalili and Abdolhamid Bamoniri,Fe₃O₄@Nano-Walnut Shell/BIII as a New Natural Based Catalyst for Synthesis of Tetrahydrobenzo[a]Xanthene-11-One Derivatives,polycyclic aromatic compounds,Vol. 43,pp. 1,2023 06 07,SCOPUS ,JCR.
12. Nahid Yaghmaeiyan, Mahdi Mirzaei, Abdolhamid Bamoniri,SnCl₄/c-Al₂O₃ nanoparticles: A reusable and green heterogeneous catalyst for the one-pot synthesis of tetrahydropyridines,Arabian journal of chemistry,Vol. 16,pp. 105026,2023 05 24,SCOPUS ,JCR.
13. Mina Keihanfar, Bi Bi Fatemeh Mirjalili and Abdolhamid Bamoniri,Fe₃O₄@nano-almond shell@OSi(CH₂)₃/DABCO: a novel magnetic nanocatalyst for the synthesis of chromenes†,nanoscale advances,Vol. 5,pp. 2493,2023 05 22,SCOPUS ,JCR.
14. Hajar Karimi Askarani, Mohammad Ali Karimi Zarchi, Bibi Fatemeh Mirjalili, Abdolhamid Bamoniri,Magnetic Nano Dextrin: Nano-Fe₃O₄@dextrin/BF₃ as a Biocompatible Catalyst for the Synthesis of 3,4-dihydropyrimidin 2(1H)-ones,Iran. J. Chem. Chem. Eng.,Vol. 42,pp. 1421,2023 05 01,SCOPUS ,ISC ,JCR.
15. Dina Mallah, Bi Bi Fatemeh Mirjalili and Abdolhamid Bamoniri,Fe₃O₄@nano-almondshell/ Si(CH₂)₃/2-(1-piperaziny) ethylamine as an effective magnetite almond shell-based nanocatalyst for the synthesis of dihydropyrano[3,2-c]chromene and tetrahydrobenzo[b]pyran derivatives,scientific reports,Vol. 13,pp. 6376,2023 04 19,SCOPUS ,JCR.
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20. Bi Bi Fatemeh Mirjalili, Abdolhamid Bamoniri, Mahnaz Imani,Synthesis of N,N'-Alkylidenebisamides in the Presence of Fe₃ O₄ @ Nano-Cellulose/B(III) as a Natural Based Super Paramagnetic Nanocatalyst,journal of nanostructures,Vol. 13,pp. 213,2023 01 01,SCOPUS ,ISI-Listed.
21. Saeed Sharifi Sharifabad, Bi Bi Fatemeh Mirjalili, Abdolhamid Bamoniri,Nano-SiO₂/Taurine as a new

- natural based catalyst for synthesis of hexahydroquinolines derivative, Iranian journal of catalysis, Vol. 12, pp. 365, 2022 12 22, SCOPUS, ISI-Listed.
22. Maryam Mehravar, Bi Bi Fatemeh Mirjalili, Elaheh Babaei and Abdolhamid Bamoniri, Preparation and Application of Nano- AlPO_4/Ti (IV) as a New and Recyclable Catalyst for the Four-Component Synthesis of Dihydropyrano[2,3-c]Pyrazoles, polycyclic aromatic compounds, Vol. 42, pp. 3191, 2022 12 20, SCOPUS, JCR.
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30. Maryam Aghamohammadsadegh, Abdolhamid Bamoniri, Bi Bi Fatemeh Mirjalili, Solvent-Free Synthesis of Azo Dyes Based on α -Naphthol Using Nano- $\alpha\text{-Al}_2\text{O}_3/\text{Ti(IV)}$ by Grinding Method, journal of nanostructures, Vol. 12, pp. 1075, 2022 10 01, SCOPUS, ISI-Listed.
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33. Abdolhamid Bamoniri, Reza Delqavi Khalifa lou, Nahid Yaghmaeiyan, Synthesis of 9,9-dimethyl-12-(aryl)-8,9,10,12-tetrahydrobenzo[a]xanthen-11-ones by modified kaolinite nanoclay as an efficient and reusable heterogeneous catalyst via a green protocol, Indian Journal of Chemistry, Vol. 61, pp. 599, 2022 06 01, SCOPUS, ISI-Listed.
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35. Maryam Alsadat Mazloun Tabaei, Abdolhamid Bamoniri, Bi Bi Fatemeh Mirjalili, One-pot Biginelli synthesis of 3,4-dihydropyrimidin-2(1H)-ones using nano-cellulose/ $\text{BF}_3/\text{Fe}_3\text{O}_4$, Journal of the Iranian

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39. Asma Mazoochi, Abdolhamid Bamoniri, Seied Ali Pourmousavi, Synthesis of 2,3-dihydroperimidines in the Presence of Nano- Al_2O_3 /BFn and Nano- Al_2O_3 /BFn/ Fe_3O_4 as Catalysts under Different Conditions, Journal of Nanostructures, Vol. 11, pp. 554, 2021 07 01, SCOPUS, ISC, ISI-Listed.

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