



## Javad Safaei Ghomi

Professor

College: Faculty of Chemistry

Department: Organic Chemistry

### Education

Degree	Graduated in	Major	University
BSc	1364	شیمی	دانشگاه کاشان
MSc	1367	شیمی آلی	مازندران
Doctoral	1374	شیمی آلی	ولونگونگ

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	43

### Papers in Conferences

1. Facile synthesis of sulfonamide-functionalized melamine-based covalent organic framework incorporating bimetal oxide  $MnFe_2O_4$  as an efficient catalyst for the preparation of chromenes, The 22nd Iranian International Congress of Chemistry, 1 - 13 05 2024, تهران.
2. Schiff base Complex of Cu(II) Immobilized on  $CoFe_2O_4@SiO_2$  Nanoparticles: Recoverable Catalyst for the Synthesis of Bis(6 amino 1,3 dimethyluracil 5 yl)methanes, The 22nd Iranian International Congress of Chemistry, 1 - 13 05 2024, تهران.
3. Azita Shafiee, ریحانه معصومی, Microencapsulation of lime (*Citrus aurantifolia*) essential oil by spray drying Technique, The 22nd Iranian International Congress of Chemistry, 1 - 13 05 2024, تهران.
4. Preparation of Copper( ) Complex Stabilized on Magnetic Iron Nanoparticles as a New and Recyclable Catalyst in One-Pot Preparation of Aminonaphthoquinone Compounds, The 22nd Iranian International Congress of Chemistry, 1 - 13 05 2024, تهران.
5. Sara Fouladi, Synthesis of Polyhydroquinoline Derivatives Using  $Fe_3O_4@polyethyleneglycol$  (PEG) Core/Shell, 21st ICS International Chemistry Congress, 1 - 26 07 2022, تبریز.
6. Preparation and characterization of  $Fe_3O_4@SiO_2/APTPOSS$  core-shell composite nanomagnetics and their application in the one-pot synthesis of 4H-pyrans derivatives, 26 07 2022, تبریز, 1 - بیست و یکمین کنگره بین المللی شیمی.

1. Aref Ghasemi , Ghahsareh, Javad Safaei , G., Hourieh Sadat Oboudatian, "Ultrasound Probe-assisted one pot synthesis of spiro[indene-2,2'-naphthalene]-4'-carbonitrile derivatives using Fe<sub>3</sub>O<sub>4</sub>@SCH<sub>2</sub>CO<sub>2</sub>H@Ni-NH<sub>2</sub> as a robust and reusable nanocatalyst", *ChemistrySelect*, 2023, 8(2), e202201795 (1-11)..
2. Javad Safaei ,& G., Seyyed Mohammad Ebrahimi, "Nano-Fe<sub>3</sub>O<sub>4</sub>-cysteine as a superior catalyst for the synthesis of indeno[1,2-c]pyrazol-4(1H)-ones", *Polycyclic Aromatic Compounds*, 2022, 42 (5), 2693-2703.
3. Seyyed Mohammad Ebrahimi, Baram Hamah , Ameen, Ali Kareem Abbas, Hossein Shahbazi , Alavi, Homayoun Gholamzadeh& Javad Safaei , G., "Synthesis of 5-Oxo-2,5-Dihydro-3-Furancarboxylates Using Nano-CuO", *Polycyclic Aromatic Compounds*, 2022, 42(9), 6389-6397.
4. Mahnaz Mirheidari, Javad Safaei و G., Three component synthesis of triazolo[*l*,*l*-a]indazole-trione and spiro triazolo[*l*,*l*-a]indazole-tetraones using GO/SiO<sub>2</sub>/Co (II)". *Scientific Reports*. 2022, 12, 17830, 1-14..
5. Hossein Shahbazi , Alavi, Ali Kareem Abbas , Javad Safaei , G., Maryam Tavazo. "Sonosynthesis of Spiro-Oxindoles Using Crosslinked Sulfonated Polyacrylamide Tethered to nano-Fe<sub>3</sub>O<sub>4</sub> as High Performance Catalyst". *Polycyclic Aromatic Compound*. 2022, 42 (5), 2059-2066..
6. Hossein Shahbazi , Alavi; Javad Safaei , G., "Synthesis of Thiazole-*l*(3H)-thiones as Antimicrobial Agents Promoted by H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>-amino-functionalized CdFe<sub>12</sub>O<sub>19</sub>@SiO<sub>2</sub> Nanocomposite. *Nanochemistry Research*. 2022, 7(1), 44-52..
7. 2022. Hossein Shahbazi , Alavi; Javad Safaei , G., "Sonosynthesis of Pyrimidines as Antimicrobial Agents Using Nano-Fe<sub>3</sub>O<sub>4</sub>-L-cysteine. *Nanochemistry Research*. 2022, 7(1), 28-35.
8. Javad Safaei و G., Yasir Waleed Abdulhameed, Zianos Alisavari, Baram Ahmed Hamah Ameen, Seyyed Mohammad Ebrahimi. Preparation of quinazolinones using biosynthesized silver nanoparticles. *RSC Advances*, 2022, 12(3), 12471-12476.
9. Zahra Elyasi, Gholam Reza Najafi, Javad Safaei G., Mahboubeh A. Sharif, "Poly (L-phenylalanine-paired ionic liquid) as halogen-free heterogeneous nanocatalyst toward regioselective *l*,*l*-dipolar cycloaddition reaction. *Materialstoday Chemistry*. *Materialstoday Chemistry*, 2022, 28( ), ..
10. Seyyed Mohammad Ebrahimi, Javad Safaei و G, Mohammed Abdulridha Mutashar, "HPA-ZSM-5 nanocomposite as high performance catalyst for the synthesis of indenopyrazolones". *Main Group Metal Chemistry*. 2022, 45(1), 57-73..
11. Raziye Bakhshali , Dehkordi, Mohammad Ali Ghasemzadeh, Javad Safaei , G., "Multicomponent Preparation of Quinazolinone Derivatives in the Presence of TiO<sub>2</sub> Nanoparticles Supported Ionic Liquids. *Polycyclic Aromatic Compounds*, 2022, 42(3), 960-977.
12. Hourieh Sadat Oboudatian, Javad Safaei ,& G., "Fibrous nanosilica spheres KCC-1@NH<sub>2</sub> as highly effective and easily retrievable catalyst for the synthesis of chromenes, *Research on Chemical Intermediates*, 2022, 48( ), 2069-2085..
13. Pouria Babaei, Javad Safaei ,& G., Somaye Rashki, Engineered Dual-Purpose Ta-doped ZnO/Hydroxyapatite Nanocomposites: Antibacterial Activity and Robust Catalyst in MW-Induced Synthesis of Chromopyrimidines, *Ceramics International*, 2022, 48(6), 8359-8373.
14. Hourieh Sadat Oboudatian, Javad Safaei ,& G., Silica nanospheres KCC-1 as a good catalyst for the preparation of 2-amino-4H-chromenes by ultrasonic irradiation, *Scientific Reports*, 2022, 12, 2381, 1-15.
15. Aref Ghasemi , Ghahsareh, Javad Safaei , G. and Hourieh Sadat Oboudatian. Supported L-tryptophan on Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub> as an efficient and magnetically separable catalyst for one pot construction of spiro[indene-*l*,*l*'-naphthalene]-*l*'-carbonitrile derivatives. *RSC Advances*. 2022, 12(3), 1319 - 1330.
16. Pouria Babaei, Javad Safaei ,& G., Engineered N-doped Graphene Quantum Dots/CoFe<sub>2</sub>O<sub>4</sub> Spherical Composites as A Robust and Retrievable Catalyst: Fabrication, Characterization, and Investigation Catalytic Performance in Microwave-assisted Synthesis of Quinoline-3-Carbonitrile Derivatives" *RSC, RSC Advances*, 2021, 11(55) , 34724 - 34734.
17. Atefeh Bakhtiari, Javad Safaei ,& G., Raheleh Teymuri, Green sonosynthesis of pyridopyrimidines

using heterogeneous Pd-containing catalysts anchored on a hybrid organic-inorganic surface of SBA-15, *Journal of the Chinese Chemical Society*, 2021, 68(9): 1748-1760.

18. Mahnaz Mirheidari, Javad Safaei G., Design, synthesis, and catalytic evaluation of aluminum-incorporated magnetic core-shell mesoporous microsphere catalyst NiFe<sub>2</sub>O<sub>4</sub>@SiO<sub>2</sub>@Al-MS for the synthesis of functionalized indenopyrazolones, *Applied Organometallic Chemistry*, 2021, 35(8), e6274, 1-12.
19. Zahra Elyasi, Javad Safaei G., Gholam Reza Najafi, Ultrasound-Engineered Fabrication of Immobilized Molybdenum Complex on Cross-Linked Poly (Ionic Liquid) as a New Acidic Catalyst for the Regioselective Synthesis of Pharmaceutical Polysubstituted Spiro Compounds, *Ultrasonics Sonochemistry*, 2021, 75(7) (105614): 1-14.
20. Javad Safaei ,& G., Mohammed Abdulridha Mutashar and Zahra Saharkhan, ZnS@N-GQDs nanocomposite as highly effective and easily retrievable catalyst for the sonosynthesis of  $\alpha$ -amino carbonyls, *RSC Advances*, 2021, 11(32), 19935–19942.
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22. Mahnaz Mirheidari, Javad Safaei ,& G., Design, synthesis, and catalytic performance of modified graphene oxide based on cobalt complex as a heterogenous catalyst for the preparation of aminonaphthoquinone derivatives, *RSC Advances*, 2021, 11(28): 17108-17115.
23. Javad Safaei ,& G., Reihaneh Masoomi, Mehrdad Hosseinpour, Hosein Batooli, Energy production using dye-sensitized solar cells by TiO<sub>2</sub> nanoparticles fabricated with several natural dyes, *Journal of Nanostructures*, 2021, 10(4): 691-701..
24. Javad Safaei و G., Zahra Samadi. Synthesis of pyrimidines by Fe<sup>3</sup>O<sub>4</sub>@SiO<sub>2</sub>-L-proline nanoparticles. *Main Group Metal Chemistry*, ۱۲۴.۲۰.۳.۲۰۲۰-۱۱۷ مجلد ۱، شماره ۴۳، شماره صفحات ۱۲۴.۲۰.۳.۲۰۲۰-۱۱۷.
25. Raziye Bakhshali , Dehkordi, Mohammad Ali Ghasemzadeh, Javad Safaei , G. Preparation and characterization of a novel DABCO-based ionic liquid supported on Fe<sup>3</sup>O<sub>4</sub>@TiO<sub>2</sub> nanoparticles and investigation of its catalytic activity in the synthesis of quinazolinones. *Applied Organometallic Chemistry*, ۲۰۲۰ ۸ ۱۲، ۱۰-۱ شماره صفحات ۱۲، ۱۰-۱ شماره ۳۴، شماره صفحات ۱۲، ۱۰-۱.
26. Javad Safaei و G. and Zeinab Akbarzadeh. Ultrasound assisted eco-friendly synthesis of ۳-cinnamoyl coumarins using CoCl<sub>2</sub>N,N'-(1,۲-phenylene)bis(۲-aminobenzamide) immobilized on mesoporous Al-SBA-۱۵ as a new and recyclable catalyst. *Green Chemistry Letters and Reviews*, مجلد ۲۰۲۰ ۲ ۱۵۴، ۲۰-۱۴۱ شماره صفحات ۲، شماره ۱۳، شماره صفحات ۱۵۴، ۲۰-۱۴۱.
27. Javad Safaei , G., Fatemeh , Sadat Bateni, Pouria Babaei. CeO<sub>2</sub>/CuO@N-GQDs@NH<sub>2</sub> nanocomposite as a high performance catalyst for the synthesis of benzo[g]chromenes. *Applied Organometallic Chemistry*, ۲۰۲۰ ۷ ۱۴، ۱-۱ شماره صفحات ۳۴، شماره ۷، شماره صفحات ۱۴، ۱-۱.
28. Javad Safaei , G., Yahya Fazeli , Mehrabani, Ali Kareem Abbas and Hossein Shahbazi , Alavi. Synthesis of Triazolothiones Using Nano-Fe<sup>3</sup>O<sub>4</sub>@ SiO<sub>2</sub>-SO<sub>3</sub>H as a Heterogeneous Catalyst. *Organic Preparations and Procedures International*, ۵ ۴۵۲، ۲۰-۴۴۶ شماره صفحات ۵، شماره ۵۲، شماره صفحات ۴۵۲، ۲۰-۴۴۶.
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30. 235. Javad Safaei , G., Fahime Eshteghal and Hossein Shahbazi , Alavi, An efficient synthesis of dihydropyrano[3,2-c]chromene and biscoumarin derivatives catalyzed by ionic liquid immobilized on FeNi<sub>3</sub> nanocatalyst, *Polycyclic Aromatic Compounds*, 2020, 40(1), 13-20.
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34. Synthesis of 3,4-Dihydropyrimidines and Octahydroquinazolinones by SBA-15 Supported Schiff-base Iron (III) Complex as Durable and Reusable Catalyst under ultrasound irradiation, *Scientific Reports*, Vol. 14, pp. 1, 2024 06 27, JCR.
35. Ionic copolymer-modified hexagonal carbon nitride tube as a high-performance catalyst for regioselective synthesis of hexahydroquinoline frameworks, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, Vol. 699, pp. 1, 2024 06 23, JCR.
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39. Melamine phosphate-modified magnetic chitosan: A novel biocompatible catalyst for the synthesis of biological tetrahydrodipyrzolo-pyridine and pyrazolo-pyranopyrimidine derivatives, *Frontiers in Chemistry*, Vol. 12, pp. 1, 2024 05 15, JCR.
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41. Fabrication of Nanoporous 3D Carbon Nitride from Poly(ionic liquid)s for Regiospecific Synthesis of Benzimidazole Frameworks, *ACS Applied Nano Materials*, Vol. 7, pp. 6536, 2024 03 01, SCOPUS, JCR.
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44. Surface Morphology Engineering GQDs-decorated Metal-oxide Magnetic Composites for Radar Absorbing, *Journal of Nanostructures*, Vol. 14, pp. 83, 2024 01 01, JCR.
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47. Sonosynthesis of spiroindolines using functionalized SBA-15, *RES CHEM INTERMEDIAT*, Vol. 47, pp. 3963, 2022 11 27, ISI-Listed.
48. Sonosynthesis of Pyrimidines as Antimicrobial Agents Using Nano-Fe<sub>3</sub>O<sub>4</sub>-L-cysteine, *Nanochemistry Research*, Vol. 7, pp. 28, 2022 09 21, ISC.
49. Synthesis of Thiazole-2(3H)-thiones as Antimicrobial Agents

- Promoted by H3PW12O40-amino-functionalized CdFe12O19@SiO2 Nanocomposite, Nanochemistry Research, Vol. 7, pp. 44, 2022 09 21, ISC.
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