

# **List of Publications**

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## List of publications

### 1-BOOKS

#### 1-1-Chapter Book(International)

- Shaabani, A.; Sarvary, A.; Maleki, A. Zwitterions and Zwitterion-Trapping Agents in Isocyanide Chemistry, *in* Isocyanide Chemistry – Applications in Synthesis and Material Science, Ch. 8, Ed. Nenajdenko, V.; Wiley-VCH, 2012.
- Shaabani, A.; Sarvary, A.; Shaabani S. Reactions Involving Electron deficient Alkynes as Electrophilic Components, in Science of Synthesis Reference Library: Multicomponent Reactions, 1<sup>st</sup> Edition, Chapter 5, Ed. Thomas, J.J. Muller, Thieme Chemistry, 2013.
- Shaabani, A.; Sarvary, A.; Shaabani S. Reactions Involving an  $\alpha,\beta$ -Unsaturated Carbonyl Compound as Electrophilic Component With Isonitrile Participation, in Science of Synthesis Reference Library: Multicomponent Reactions, 1<sup>st</sup> Edition, Chapter 6, Ed. Thomas, J.J. Muller, Thieme Chemistry, 2013.

#### 1-2-Books in Farsi (Persian)

1-A. Shaabani and N. Davari Ardekani, Geography of Science, Islamic World Science Citation Database(ISC), 2013.

2- A. Shaabani and N. Davari Ardekani, Knowledge, Universities and Development, Shahid Beheshti University (471), 2011.

3-A. Shaabani *et al.*, Basic Sciences Strategy and Action Plan, Ministry of Science Research and Technology, 2011.

4-A. Shaabani, Physical Organic Chemistry, Shahid Beheshti University (706), 2018.

### 2-Articles

#### 2-1-Articles in Farsi (Persian)

1-A. Shaabani, Chemical Outlook on Materials Genesis, Science Cultivation,10(1), 11-16, 2020.

2-A. Shaabani, Creativity and Discovery, Science Cultivation, 9(2), 54-62, 2019.

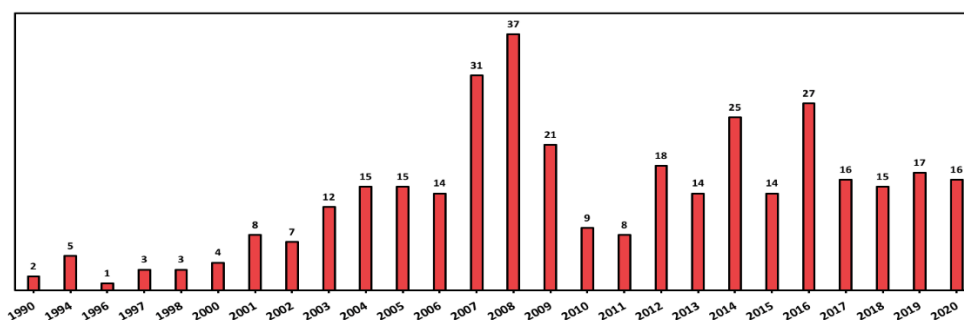
3-A. Shaabani, Renovate University Collaboration with Industry Science Cultivation, 9(1), 14-20, 2018.

4-A. Shaabani, Molecules That Will Change the Future, Science Cultivation, 8(2), 99-110, 2018.

5-A. Shaabani, Unemployment and the Emigration of Skilled Graduates, Science Cultivation, 7(1), 6-15, 2017.

6-A. Shaabani and N. Davari Ardekani, The Remarks on Knowledge-Based Wealth Production, Procedures and Mechanisms, Science Cultivation, 4(1), 35-42, 2014.

## 2-2-Articles(International)



### 2020

1. Mohammadian, R.; Amini, M. M.; **Shaabani, A.**, Thiourea-functionalized MIL-101 (Cr) metal-organic framework as a hydrogen-bond-donating heterogeneous organocatalyst for the Friedel-Crafts alkylation and Biginelli reactions. *Catalysis Communications* **2020**, *136*, 105905.
2. Nazeri, M. T.; Mohammadian, R.; Farhid, H.; **Shaabani, A.**; Notash, B., An efficient pseudo-seven component reaction for the synthesis of fully-substituted furans containing pseudopeptide based on the union of multicomponent reactions. *Tetrahedron Letters* **2020**, *61* (3), 151408.
3. Afshari, R.; Hooshmand, S. E.; Atharnezhad, M.; **Shaabani, A.**, An insight into the novel covalent functionalization of multi-wall carbon nanotubes with pseudopeptide backbones for palladium nanoparticles immobilization: A versatile catalyst towards diverse cross-coupling reactions in bio-based solvents. *Polyhedron* **2020**, *175*, 114238.
4. **Ahmad Shaabani**, Reza Mohammadian, Ronak Afshari, Seyyed Emad Hooshmand1 Mohammad Taghi Nazeri, Siamak Javanbakht, The status of isocyanide-based multi-component reactions in Iran (2010–2018), Accepted.
5. Heshmatollah Sepahvand, Ayoob Bazgir, **Ahmad Shaabani**, Cu-Catalyzed Oxidative-Reaction of Tosylmethylisocyanide and Benzyl Alcohols: Efcient Synthesis of 4-(tert-butylperoxy)-5-aryloxazol-2(3H)-ones and 5-Aryloxazol-2(5H)-ones, *Catalysis Letters*, <https://doi.org/10.1007/s10562-020-03109-y>.
6. Mirzaei, F.; Nilash, M. M.; Sepahvand, H.; Fakhari, A. R.; **Shaabani, A.**, Magnetic solid-phase extraction based on fluconazole-functionalized Fe<sub>3</sub>O<sub>4</sub>@ SiO<sub>2</sub> nanoparticles for

the spectrophotometric determination of cationic dyes in environmental water samples. *Journal of the Iranian Chemical Society* **2020**, 1-10.

7. Javanbakht, S.; Shadi, M.; Mohammadian, R.; **Shaabani, A.**; Ghorbani, M.; Rabiee, G.; Amini, M. M., Preparation of Fe<sub>3</sub>O<sub>4</sub>@ SiO<sub>2</sub>@ Tannic acid double core-shell magnetic nanoparticles via the Ugi multicomponent reaction strategy as a pH-responsive co-delivery of doxorubicin and methotrexate. *Materials Chemistry and Physics* **2020**, 122857.
8. Hajishaabanha, F.; Shaabani, S.; **Shaabani, A.**; Sangachin, M. H.; Dusek, M.; Kučeráková, M., Synthesis of imidazolium zwitterions via an efficient one-pot three-component synthetic protocol. *Journal of the Iranian Chemical Society* **2020**, 17 (3), 513-519.
9. Nazeri, M. T.; Javanbakht, S.; **Shaabani, A.**; Ghorbani, M., 5-aminopyrazole-conjugated gelatin hydrogel: A controlled 5-fluorouracil delivery system for rectal administration. *Journal of Drug Delivery Science and Technology* **2020**, 57, 101669.
10. Nazeri, M. T.; Farhid, H.; Javanbakht, S.; **Shaabani, A.**; Notash, B., Highly Efficient Chemoselective Synthesis of Pyrrolo [2, 3-*c*] pyrazole Bearing Oxindole via Sequential Condensation–Michael Addition–Intramolecular Cyclization Reactions. *Synlett* **2020**, 31 (10), 965-971.
11. Nazeri, M. T.; Farhid, H.; Mohammadian, R.; **Shaabani, A.**, Cyclic Imines in Ugi and Ugi-Type Reactions. *ACS Combinatorial Science* **2020**, 22 (8), 361-400.
12. Javanbakht, S.; Saboury, A.; **Shaabani, A.**; Mohammadi, R.; Ghorbani, M., Doxorubicin Imprinted Photoluminescent Polymer as a pH-Responsive Nanocarrier. *ACS Applied Bio Materials* **2020**, 3 (7), 4168-4178.
13. Mohammadian, R.; Kamyar, N.; Kaffashian, A.; Amini, M. M.; **Shaabani, A.**, Synthesis of Defect-Engineered Homochiral Metal-Organic Frameworks Using L-Amino Acids: A Comprehensive Study of Chiral Catalyst Performance in CO<sub>2</sub> Fixation Reaction. *ChemistrySelect* **2020**, 5 (33), 10346-10354.
14. Farhid, H.; **Shaabani, A.**, Magnetic spent coffee ground as an efficient and green catalyst for aerobic oxidation of alcohols and tandem oxidative Groebke–Blackburn–Bienaymé reaction. *Journal of the Iranian Chemical Society* **2020**, 1-11.
15. Farhid, H.; Nazeri, M. T.; **Shaabani, A.**; Armaghan, M.; Janiak, C., Isocyanide-based consecutive Bargellini/Ugi reactions: an efficient method for the synthesis of pseudo-peptides containing three amide bonds. *Amino Acids* **2020**, 1-10.
16. Javanbakht, S.; Nazeri, M. T.; **Shaabani, A.**; Ghorbani, M., Green one-pot synthesis of multicomponent-crosslinked carboxymethyl cellulose as a safe carrier for the gentamicin oral delivery. *International Journal of Biological Macromolecules* **2020**, 164, 2873-2880.

## 2019

1. Afshari, R.; Ghasemi, V.; Shaabani, S.; **Shaabani, A.**; Aladaghlo, Z.; Fakhari, A. R., Post-modification of phthalocyanines via isocyanide-based multicomponent reactions: Highly dispersible peptidomimetic metallophthalocyanines as potent photosensitizers. *Dyes and Pigments* **2019**, 166, 49-59.

2. Boroujeni, M. B.; Laeini, M. S.; Nazeri, M. T.; **Shaabani, A.**, A Novel and Green In Situ Strategy for the Synthesis of Metallophthalocyanines on Chitosan and Investigation Their Catalytic Activity in the CO<sub>2</sub> Fixation. *Catalysis Letters* **2019**, *149* (8), 2089-2097.
3. Hajishaabanha, F.; Shaabani, S.; **Shaabani, A.**; Sangachin, M. H.; Dusek, M.; Kučeráková, M., Synthesis of imidazolium zwitterions via an efficient one-pot three-component synthetic protocol. *Journal of the Iranian Chemical Society* **2019**, 1-7.
4. Hooshmand, S. E.; Ghadari, R.; Mohammadian, R.; **Shaabani, A.**; Khavasi, H. R., Rhodanine-Furan Bis-Heterocyclic Frameworks Synthesis via Green One-Pot Sequential Six-Component Reactions: A Synthetic and Computational Study. *ChemistrySelect* **2019**, *4* (40), 11893-11898.
5. Javanbakht, S.; Nezhad-Mokhtari, P.; **Shaabani, A.**; Arsalani, N.; Ghorbani, M., Incorporating Cu-based metal-organic framework/drug nanohybrids into gelatin microsphere for ibuprofen oral delivery. *Materials Science and Engineering: C* **2019**, *96*, 302-309.
6. Javanbakht, S.; **Shaabani, A.**, Multicomponent reactions-based modified/functionalized materials in the biomedical platforms. *ACS Applied Bio Materials* **2019**.
7. Javanbakht, S.; **Shaabani, A.**, Carboxymethyl cellulose-based oral delivery systems. *International journal of biological macromolecules* **2019**.
8. Javanbakht, S.; **Shaabani, A.**, Encapsulation of graphene quantum dot-crosslinked chitosan by carboxymethylcellulose hydrogel beads as a pH-responsive bio-nanocomposite for the oral delivery agent. *International journal of biological macromolecules* **2019**, *123*, 389-397.
9. Javanbakht, S.; Shadi, M.; Mohammadian, R.; **Shaabani, A.**; Amini, M. M.; Pooresmaeil, M.; Salehi, R., Facile preparation of pH-responsive k-Carrageenan/tramadol loaded UiO-66 bio-nanocomposite hydrogel beads as a nontoxic oral delivery vehicle. *Journal of Drug Delivery Science and Technology* **2019**, *54*, 101311.
10. Nazeri, M. T.; Javanbakht, S.; **Shaabani, A.**; Khavasi, H. R., Chemo-and Diastereoselective Synthesis of Pyrazolo-tetrahydropyridines via Multicomponent Sequential Aza-Diels-Alder Reactions in Water. *ChemistrySelect* **2019**, *4* (48), 14271-14275.
11. Nezhad-Mokhtari, P.; Arsalani, N.; Javanbakht, S.; **Shaabani, A.**, Development of gelatin microsphere encapsulated Cu-based metal-organic framework nanohybrid for the methotrexate delivery. *Journal of Drug Delivery Science and Technology* **2019**, *50*, 174-180.
12. **Shaabani, A.**; Khodkari, V.; Nazeri, M. T.; Ghasemi, S.; Mohammadian, R.; Shaabani, S., Vitamin C as a green and robust catalyst for the fast and efficient synthesis of valuable organic compounds via multi-component reactions in water. *Journal of the Iranian Chemical Society* **2019**, *16* (8), 1793-1800.
13. **Shaabani, A.**; Mohammadian, R.; Farhid, H.; Alavijeh, M. K.; Amini, M. M., Iron-Decorated, Guanidine Functionalized Metal-Organic Framework as a Non-heme Iron-Based Enzyme Mimic System for Catalytic Oxidation of Organic Substrates. *Catalysis Letters* **2019**, *149* (5), 1237-1249.
14. **Shaabani, A.**; Nazeri, M. T.; Afshari, R., 5-Amino-pyrazoles: potent reagents in organic and medicinal synthesis. *Molecular diversity* **2019**, *23* (3), 751-807.
15. **Shaabani, A.**; Sepahvand, H.; Ghasemi, S., Ammonium chloride-catalyzed green multicomponent synthesis of dihydropyrazine and tetrahydrodiazepine derivatives "on water". *Molecular diversity* **2019**, *23* (3), 585-592.
16. **Shaabani, A.**; Shadi, M.; Mohammadian, R.; Javanbakht, S.; Nazeri, M. T.; Bahri, F., Multi-component reaction-functionalized chitosan complexed with copper nanoparticles: An

efficient catalyst toward A3 coupling and click reactions in water. *Applied Organometallic Chemistry* **2019**, *33* (9), e5074.

17. Shaabani, S.; **Shaabani, A.**; Kucerakova, M.; Dusek, M., A One-Pot synthesis of oxazepine-quinazolinone bis-heterocyclic scaffolds via isocyanide-based three-component reactions. *Frontiers in Chemistry* **2019**, *7*, 623.

## 2018

1. Afshari, R.; **Shaabani, A.**, Materials functionalization with multicomponent reactions: state of the art. *ACS combinatorial science* **2018**, *20* (9), 499-528.
2. Matveeva, M.; Golovanov, A.; Borisova, T.; Titov, A.; Varlamov, A.; **Shaabani, A.**; Obydennik, A.; Voskressensky, L., Domino reactions of vinyl ethynyl ketones with 1-aryl-3, 4-dihydroisoquinolines—Search for selectivity. *Molecular Catalysis* **2018**, *461*, 67-72.
3. Mohammadian, R.; Alavijeh, M. K.; Kamyar, N.; Amini, M. M.; **Shaabani, A.**, Metal-organic frameworks as a new platform for molecular oxygen and aerobic oxidation of organic substrates: Recent advances. *Polyhedron* **2018**, *156*, 174-187.
4. **Shaabani, A.**; Afshari, R., Magnetic Ugi-functionalized graphene oxide complexed with copper nanoparticles: efficient catalyst toward Ullman coupling reaction in deep eutectic solvents. *Journal of colloid and interface science* **2018**, *510*, 384-394.
5. **Shaabani, A.**; Hooshmand, S. E., Diversity-oriented catalyst-free synthesis of pseudopeptides containing rhodanine scaffolds via a one-pot sequential isocyanide-based six-component reactions in water using ultrasound irradiation. *Ultrasonics sonochemistry* **2018**, *40*, 84-90.
6. **Shaabani, A.**; Hooshmand, S. E., Malononitrile dimer as a privileged reactant in design and skeletal diverse synthesis of heterocyclic motifs. *Molecular diversity* **2018**, *22* (1), 207-224.
7. **Shaabani, A.**; Hooshmand, S. E.; Afshari, R.; Shaabani, S.; Ghasemi, V.; Atharnezhad, M.; Akbari, M., Direct construction of diverse metallophthalocyanines by manifold substrates in a deep eutectic solvent. *Journal of Solid State Chemistry* **2018**, *258*, 536-542.
8. **Shaabani, A.**; Mofakham, H.; Hajishaabanha, F.; Mousavi Faraz, S.; Pedarpour Vajargahy, M., A Novel Strategy of Ugi-4CR/Huisgen 1, 3-Dipolar Synthesis of 1H-1, 2, 3-Triazole-Modified Peptidomimetics. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2018**, *37* (2), 73-84.
9. **Shaabani, A.**; Mohammadian, R.; Hashemzadeh, A.; Afshari, R.; Amini, M. M., Amine-functionalized MIL-101 (Cr) embedded with Co (ii) phthalocyanine as a durable catalyst for one-pot tandem oxidative A 3 coupling reactions of alcohols. *New Journal of Chemistry* **2018**, *42* (6), 4167-4174.
10. **Shaabani, A.**; Nazeri, M. T.; Afshari, R., 5-Amino-pyrazoles: potent reagents in organic and medicinal synthesis. *Molecular diversity* **2018**, 1-57.
11. **Shaabani, A.**; Nosrati, H.; Hezarkhani, Z.; Afshari, R., One-pot oxidative Groebke–Blackburn–Bienayme reaction of alcohols: using bio-supported and magnetically recyclable Fe 2 O 3@ cellulose and Fe 2 O 3@ cellulose–SO 3 H nanocomposites for the synthesis of 3-aminoimidazo [1, 2-a] pyridines. *Monatshefte für Chemie-Chemical Monthly* **2018**, *149* (8), 1459-1467.
12. **Shaabani, A.**; Rashidi Vahid, A.; Shaabani, S.; Mohammadian, R.; Nazeri, M. T.; Keramati Nejad, M., Vitamin B12 supported on graphene oxide: As a bio-based catalyst for selective aerobic oxidation of alcohols. *Applied Organometallic Chemistry* **2018**, *32* (10), e4510.

13. **Shaabani, A.**; Sepahvand, H.; Amini, M. M.; Hashemzadeh, A.; Boroujeni, M. B.; Badali, E., Tandem oxidative isocyanide-based cycloaddition reactions in the presence of MIL-101 (Cr) as a reusable solid catalyst. *Tetrahedron* **2018**, *74* (15), 1832-1837.
14. **Shaabani, A.**; Sepahvand, H.; Bazgir, A.; Khavasi, H. R., Tosylmethylisocyanide (TosMIC)[3+ 2] cycloaddition reactions: A facile Van Leusen protocol for the synthesis of the new class of spirooxazolines, spiropyrrrolines and Chromeno [3, 4-c] pyrrols. *Tetrahedron* **2018**, *74* (49), 7058-7067.
15. **Shaabani, A.**; Tabatabaei, A. T.; Hajishaabanha, F.; Shaabani, S.; Seyyedhamzeh, M.; Keramati nejad, M., KMnO<sub>4</sub>/guanidinium-based sulfonic acid: as an efficient Brønsted acid organocatalyst for the selective oxidation of organic compounds. *Journal of Sulfur Chemistry* **2018**, *39* (4), 367-379.

## 2017

1. Boroujeni, M. B.; Hashemzadeh, A.; **Shaabani, A.**; Amini, M. M., In situ synthesis of metallophthalocyanines into pores of MIL-101: A novel and green strategy for preparation of host-guest catalysts. *Applied Organometallic Chemistry* **2017**, *31* (10), e3715.
2. Hezarkhani, Z.; Faroghi, M. T.; **Shaabani, A.**, Manganese (II) tetrasulfophthalocyanine covalently supported on natural silk: A new highly active catalyst for synthesis of benzoxazepine derivatives in water. *Applied Organometallic Chemistry* **2017**, *31* (11), e3764.
3. Hezarkhani, Z.; **Shaabani, A.**, Au-and Ag-loaded MnO<sub>2</sub> nanostructures supported on nitrogen-and nitrogen-sulfur-doped pyroproteins: Synthesis and catalytic activity in organic transformations. *Applied Organometallic Chemistry* **2017**, *31* (6), e3624.
4. Laeini, M. S.; **Shaabani, A.**, A Transition-Metal-Free Homogeneous TEMPO-Based Catalyst: Aerobic Oxidation of Alcohols in Aqueous Media. *ChemistrySelect* **2017**, *2* (28), 9084-9087.
5. **Shaabani, A.**; Afshari, R., Synthesis of Carboxamide-Functionalized Multiwall Carbon Nanotubes via Ugi Multicomponent Reaction: Water-Dispersible Peptidomimetic Nanohybrid as Controlled Drug Delivery Vehicle. *ChemistrySelect* **2017**, *2* (18), 5218-5225.
6. **Shaabani, A.**; Afshari, R.; Hooshmand, S. E., Crosslinked chitosan nanoparticle-anchored magnetic multi-wall carbon nanotubes: a bio-nanoreactor with extremely high activity toward click-multi-component reactions. *New Journal of Chemistry* **2017**, *41* (16), 8469-8481.
7. **Shaabani, A.**; Afshari, R.; Hooshmand, S. E.; Keramati Nejad, M., Molecularly Imprinted Polymer as an Eco-Compatible Nanoreactor in Multicomponent Reactions: A Remarkable Synergy for Expedient Access to Highly Substituted Imidazoles. *ACS Sustainable Chemistry & Engineering* **2017**, *5* (10), 9506-9516.
8. **Shaabani, A.**; Hezarkhani, Z., Ferrite nanoparticles supported on natural wool in one-pot tandem oxidative reactions: strategy to synthesize benzimidazole, quinazolinone and quinoxaline derivatives. *Applied Organometallic Chemistry* **2017**, *31* (1), e3542.
9. **Shaabani, A.**; Hezarkhani, Z.; Nejad, M. K., Cr-and Zn-substituted cobalt ferrite nanoparticles supported on guanidine-modified graphene oxide as efficient and recyclable catalysts. *Journal of materials science* **2017**, *52* (1), 96-112.
10. **Shaabani, A.**; Hooshmand, S. E.; Afaridoun, H., A green chemical approach: a straightforward one-pot synthesis of 2-aminothiophene derivatives via Gewald reaction in deep eutectic solvents. *Monatshefte für Chemie-Chemical Monthly* **2017**, *148* (4), 711-716.

11. **Shaabani, A.**; Hooshmand, S. E.; Afshari, R.; Shaabani, S.; Ghasemi, V.; Atharnezhad, M.; Akbari, M., deep eutectic solvent, *Journal of Solid State Chemistry*. **2017**.
12. **Shaabani, A.**; Laeini, M. S.; Mohsenian, S.; Shokri, B.; Afshari, R., Thermal Plasma-processed Natural Hydroxyapatite-MnO<sub>2</sub> Nanoparticles as a Reusable and Green Heterogeneous Catalyst for Aerobic Oxidation of Benzylic Alkyl Arenes and Alcohols. *Organic Chemistry Research* **2017**, *3* (2), 191-204.
13. **Shaabani, A.**; Mohammadian, R.; Hooshmand, S. E.; Hashemzadeh, A.; Amini, M. M., Zirconium Metal-Organic Framework (UiO-66) as a Robust Catalyst toward Solvent-Free Synthesis of Remarkable Heterocyclic Rings. *ChemistrySelect* **2017**, *2* (35), 11906-11911.
14. **Shaabani, A.**; Sepahvand, H.; Boroujeni, M. B.; Faroghi, M. T., A green one-pot three-component cascade reaction: the synthesis of 2-amino-5, 8-dihydro-3H-pyrido [2, 3-D] pyrimidin-4-ones in aqueous medium. *Molecular diversity* **2017**, *21* (1), 147-153.
15. **Shaabani, A.**; Tabatabaei, A. T.; Hajishaabanha, F.; Shaabani, S., Synthesis, characterization, and catalytic activity of three cobalt-based nanoparticle catalysts supported on guanidineacetic acid-functionalized cellulose. *Monatshefte für Chemie-Chemical Monthly* **2017**, *148* (12), 2079-2090.
16. Shaabani, S.; Tavousi Tabatabaei, A.; **Shaabani, A.**, Copper (I) oxide nanoparticles supported on magnetic casein as a bio-supported and magnetically recoverable catalyst for aqueous click chemistry synthesis of 1, 4-disubstituted 1, 2, 3-triazoles. *Applied Organometallic Chemistry* **2017**, *31* (2), e3559.

## 2016

1. **Shaabani, A.**; Hezarkhani, Z.; Nejad, M. K., AuCu and AgCu bimetallic nanoparticles supported on guanidine-modified reduced graphene oxide nanosheets as catalysts in the reduction of nitroarenes: Tandem synthesis of benzo [b][1, 4] diazepine derivatives. *RSC Advances* **2016**, *6* (36), 30247-30257.
2. **Shaabani, A.**; Hooshmand, S. E., Choline chloride/urea as a deep eutectic solvent/organocatalyst promoted three-component synthesis of 3-aminoimidazo-fused heterocycles via Groebke–Blackburn–Bienayme process. *Tetrahedron Letters* **2016**, *57* (3), 310-313.
3. **Shaabani, A.**; Hezarkhani, Z., Cobalt (II), copper (II), and iron (II) tetrasulfophthalocyanines covalently supported on wool: Synthesis, characterization and catalytic activity. *Journal of Porphyrins and Phthalocyanines* **2016**, *20* (06), 677-688.
4. **Shaabani, A.**; Boroujeni, M. B.; Laeini, M. S., Copper (ii) supported on magnetic chitosan: a green nanocatalyst for the synthesis of 2, 4, 6-triaryl pyridines by C–N bond cleavage of benzylamines. *RSC Advances* **2016**, *6* (33), 27706-27713.
5. **Shaabani, A.**; Afshari, R.; Hooshmand, S. E.; Tabatabaei, A. T.; Hajishaabanha, F., Copper supported on MWCNT-guanidine acetic acid@ Fe<sub>3</sub>O<sub>4</sub>: synthesis, characterization and application as a novel multi-task nanocatalyst for preparation of triazoles and bis (indolyl) methanes in water. *RSC Advances* **2016**, *6* (22), 18113-18125.
6. Hezarkhani, Z.; **Shaabani, A.**, Covalently immobilization of palladium (II) tetrasulfophthalocyanine on keratin protein grafted graphene oxide nanosheets: a new high-performance catalyst for C–C coupling reactions. **2016**.



7. Hezarkhani, Z.; **Shaabani, A.**, Cr–and Zn–Substituted Cobalt Ferrite Nanoparticles Supported on Guanidine–Modified Graphene Oxide as Two Efficient and Recyclable Catalysts for Catalytic Applications. **2016**.
8. **Shaabani, A.**; Hooshmand, S. E.; Nazeri, M. T.; Afshari, R.; Ghasemi, S., Deep eutectic solvent as a highly efficient reaction media for the one-pot synthesis of benzo-fused seven-membered heterocycles. *Tetrahedron Letters* **2016**, *57* (33), 3727-3730.
9. **Shaabani, A.**; Sepahvand, H.; Hooshmand, S. E.; Borjian Boroujeni, M., Design, preparation and characterization of Cu/GA/Fe<sub>3</sub>O<sub>4</sub>@ SiO<sub>2</sub> nanoparticles as a catalyst for the synthesis of benzodiazepines and imidazoles. *Applied Organometallic Chemistry* **2016**, *30* (6), 414-421.
10. Seyyedhamzeh, M.; Shaabani, S.; Sangachin, M. H.; **Shaabani, A.**, Guanidinium-based sulfonic acid as a new Brønsted acid organocatalyst in organic synthesis in water. *Research on Chemical Intermediates* **2016**, *42* (4), 2845-2855.
11. **Shaabani, A.**; Shaabani, S.; Seyyedhamzeh, M.; Sangachin, M. H.; Hajishaabanha, F., Guanidinium-based sulfonic acid: an efficient Brønsted acid organocatalyst for the synthesis of fused polycyclic dihydropyridines in water. *Research on Chemical Intermediates* **2016**, *42* (10), 7247-7256.
12. **Shaabani, A.**; Shaabani, S.; Afaridoun, H., Highly selective aerobic oxidation of alkyl arenes and alcohols: cobalt supported on natural hydroxyapatite nanocrystals. *RSC Advances* **2016**, *6* (54), 48396-48404.
13. **Shaabani, A.**; Hooshmand, S. E., Isocyanide and Meldrum's acid-based multicomponent reactions in diversity-oriented synthesis: from a serendipitous discovery towards valuable synthetic approaches. *RSC Advances* **2016**, *6* (63), 58142-58159.
14. Boroujeni, M. B.; Hashemzadeh, A.; Faroughi, M.-T.; **Shaabani, A.**; Amini, M. M., Magnetic MIL-101-SO<sub>3</sub>H: a highly efficient bifunctional nanocatalyst for the synthesis of 1, 3, 5-triarylbenzenes and 2, 4, 6-triaryl pyridines. *RSC Advances* **2016**, *6* (102), 100195-100202.
15. **Shaabani, A.**; Laeini, M. S.; Shaabani, S.; Seyyedhamzeh, M., NaBrO<sub>3</sub>/guanidinium-based sulfonic acid: as a transition metal-and strong inorganic acid-free oxidation system for alcohols and alkyl arenes. *New Journal of Chemistry* **2016**, *40* (3), 2079-2082.
16. **Shaabani, A.**; Afaridoun, H.; Shaabani, S.; Nejad, M. K., Natural hydroxyapatite supported cobalt tetrasulfophthalocyanine: a green, renewable and biomaterial-based heterogeneous catalyst for selective aerobic oxidation of alkyl arenes and alcohols. *RSC Advances* **2016**, *6* (99), 97367-97375.
17. **Shaabani, A.**; Afaridoun, H.; Shaabani, S., Natural hydroxyapatite-supported MnO<sub>2</sub>: a green heterogeneous catalyst for selective aerobic oxidation of alkylarenes and alcohols. *Applied Organometallic Chemistry* **2016**, *30* (9), 772-776.
18. **Shaabani, A.**; Hezarkhani, Z.; Badali, E., Natural silk supported manganese dioxide nanostructures: synthesis and catalytic activity in aerobic oxidation and one-pot tandem oxidative synthesis of organic compounds. *Polyhedron* **2016**, *107*, 176-182.
19. Shaabani, S.; **Shaabani, A.**, A One-Pot synthesis of oxazepine-quinazolinone bis-heterocyclic scaffolds via isocyanide-based three-component reactions. **2016**.
20. Hezarkhani, Z.; **Shaabani, A.**, Palladium (II) tetrasulfophthalocyanine covalently immobilized on keratin protein grafted graphene oxide nanosheets as a new high-performance catalyst for C–C coupling reactions. *RSC Advances* **2016**, *6* (101), 98956-98967.

21. **Shaabani, A.**; Afshari, R.; Hooshmand, S. E., Passerini three-component cascade reactions in deep eutectic solvent: an environmentally benign and rapid system for the synthesis of  $\alpha$ -acyloxyamides. *Research on Chemical Intermediates* **2016**, *42* (6), 5607-5616.
22. BORJIAN, B. M.; KERAMATI, N. M.; **Shaabani, A.**, Phthalocyanines@ magnetic chitosan: As an efficient nanocatalyst for selective aerobic oxidation of alkyl arenes and alcohols. **2016**.
23. **Shaabani, A.**; Borjian Boroujeni, M.; Laeini, M. S., Porous chitosan–MnO<sub>2</sub> nanohybrid: a green and biodegradable heterogeneous catalyst for aerobic oxidation of alkylarenes and alcohols. *Applied Organometallic Chemistry* **2016**, *30* (3), 154-159.
24. **Shaabani, A.**; Sepahvand, H.; Nejad, M. K., A re-engineering approach: synthesis of pyrazolo [1, 2-a] pyrazoles and pyrano [2, 3-c] pyrazoles via an isocyanide-based four-component reaction under solvent-free conditions. *Tetrahedron Letters* **2016**, *57* (13), 1435-1437.
25. **Shaabani, A.**; Hooshmand, S. E.; Tabatabaei, A. T., Synthesis of fully substituted naphthyridines: a novel domino four-component reaction in a deep eutectic solvent system based on choline chloride/urea. *Tetrahedron Letters* **2016**, *57* (3), 351-353.
26. Hajishaabanha, F.; Shaabani, S.; **Shaabani, A.**, Synthesis of furan-fused quinoxaline tetracyclic scaffolds via a three-component isocyanide-based reaction. *Research on Chemical Intermediates* **2016**, *42* (5), 4109-4120.
27. **Shaabani, A.**; Hezarkhani, Z.; Faroghi, M. T., Wool-SO<sub>3</sub>H and nano-Fe<sub>3</sub>O<sub>4</sub>@ wool as two green and natural-based renewable catalysts in one-pot isocyanide-based multicomponent reactions. *Monatshefte für Chemie-Chemical Monthly* **2016**, *147* (11), 1963-1973.

## 2015

1. Hosseinzadeh-Khanmiri, R.; Moghimi, A.; **Shaabani, A.**; Valizadeh, H.; Ng, S. W., Synthesis of 2-(1, 2, 4-oxadiazol-3-yl) quinazolin-4 (3H)-ones from diaminoglyoxime-based nitrones. *Molecular diversity* **2015**, *19* (3), 501-510.
2. Keshipour, S.; **Shaabani, A.**, Selective aerobic hydrolysis of nitriles to amides using cobalt (II)/zinc. *Research on Chemical Intermediates* **2015**, *41* (8), 5071-5078.
3. Keshipour, S.; **Shaabani, A.**; Shojaei, S.; Nosrati, H.; Ng, S. W., A novel one-pot isocyanide-based three-component reaction: synthesis of highly functionalized imidazo-chromen-4-ones. *Journal of the Iranian Chemical Society* **2015**, *12* (9), 1655-1663.
4. Mahyari, M.; Laeini, M. S.; **Shaabani, A.**; Kazerooni, H., Gold nanoparticles supported on three-dimensional nitrogen-doped graphene: an efficient catalyst for selective aerobic oxidation of hydrocarbons under mild conditions. *Applied Organometallic Chemistry* **2015**, *29* (7), 456-461.
5. Sarvary, A.; Shaabani, S.; Ghanji, N.; **Shaabani, A.**, Three-component reaction of isocyanide with dialkyl acetylenedicarboxylate and alkyl mercaptan: preparation of new derivatives of stable ketenimines. *Journal of Sulfur Chemistry* **2015**, *36* (2), 117-123.
6. **Shaabani, A.**; Boroujeni, M. B.; Sangachin, M. H., Cobalt-chitosan: Magnetic and biodegradable heterogeneous catalyst for selective aerobic oxidation of alkyl arenes and alcohols. *Journal of chemical sciences* **2015**, *127* (11), 1927-1935.
7. **Shaabani, A.**; Hezarkhani, Z., A novel synthesis of highly substituted imidazo [1, 5-a] pyrazine selenone derivatives. **2015**.

8. **Shaabani, A.**; Hezarkhani, Z., Copper (II) and iron (II) tetraamino- and tetrasulfophthalocyanines supported on cellulose: synthesis, characterization and catalytic activity on aerobic oxidation of alkyl arenes and alcohols. *Cellulose* **2015**, 22 (5), 3027-3046.
9. **Shaabani, A.**; Hezarkhani, Z.; Badali, E., Wool supported manganese dioxide nano-scale dispersion: a biopolymer based catalyst for the aerobic oxidation of organic compounds. *RSC Advances* **2015**, 5 (76), 61759-61767.
10. **Shaabani, A.**; Hezarkhani, Z.; Badali, E., One-pot oxidative Ugi-type three-component reaction of aromatic hydrocarbons of petroleum naphtha: comparing catalytic effect of cellulose- and wool-SO<sub>3</sub>H supported with manganese dioxide nanostructures. *RSC Advances* **2015**, 5 (112), 91966-91973.
11. **Shaabani, A.**; Nosrati, H.; Seyyedhamzeh, M., Cellulose@ Fe<sub>2</sub>O<sub>3</sub> nanoparticle composites: magnetically recyclable nanocatalyst for the synthesis of 3-aminoimidazo [1, 2-a] pyridines. *Research on Chemical Intermediates* **2015**, 41 (6), 3719-3727.
12. **Shaabani, A.**; Seyyedhamzeh, M.; Ganji, N.; Sangachin, M. H.; Armaghan, M., One-pot four-component synthesis of highly substituted [1, 2, 4] triazolo [1, 5-a] pyrimidines. *Molecular diversity* **2015**, 19 (4), 709-715.
13. **Shaabani, A.**; Seyyedhamzeh, M.; Shaabani, S.; Ganji, N., Multi-walled carbon nanotubes sulfuric acid as a reusable heterogeneous solid acid catalyst for the rapid synthesis of imidazo [1, 2-a] pyridines. *Research on Chemical Intermediates* **2015**, 41 (4), 2377-2383.
14. Tabani, H.; Mahyari, M.; Sahragard, A.; Fakhari, A. R.; **Shaabani, A.**, Evaluation of sulfated maltodextrin as a novel anionic chiral selector for the enantioseparation of basic chiral drugs by capillary electrophoresis. *Electrophoresis* **2015**, 36 (2), 305-311.

## 2014

1. Behbahani, M.; Gorji, T.; Mahyari, M.; Salarian, M.; Bagheri, A.; **Shaabani, A.**, Application of polypropylene amine dendrimers (POPAM)-grafted MWCNTs hybrid materials as a new sorbent for solid-phase extraction and trace determination of gold (III) and palladium (II) in food and environmental samples. *Food analytical methods* **2014**, 7 (5), 957-966.
2. Behbahani, M.; Tapeh, N. A. G.; Mahyari, M.; Pourali, A. R.; Amin, B. G.; **Shaabani, A.**, Monitoring of trace amounts of heavy metals in different food and water samples by flame atomic absorption spectrophotometer after preconcentration by amine-functionalized graphene nanosheet. *Environmental monitoring and assessment* **2014**, 186 (11), 7245-7257.
3. Hajishaabanha, F.; **Shaabani, A.**, Synthesis of oxazepin-quinoxaline bis-heterocyclic scaffolds via an efficient three component synthetic protocol. *RSC Advances* **2014**, 4 (87), 46844-46850.
4. Hosseini, H.; Behbahani, M.; Mahyari, M.; Kazerooni, H.; Bagheri, A.; **Shaabani, A.**, Ordered carbohydrate-derived porous carbons immobilized gold nanoparticles as a new electrode material for electrocatalytical oxidation and determination of nicotinamide adenine dinucleotide. *Biosensors and Bioelectronics* **2014**, 59, 412-417.
5. Hosseini, H.; Mahyari, M.; Bagheri, A.; **Shaabani, A.**, Pd and PdCo alloy nanoparticles supported on polypropylenimine dendrimer-grafted graphene: a highly efficient anodic catalyst for direct formic acid fuel cells. *Journal of Power Sources* **2014**, 247, 70-77.
6. Hosseini, H.; Mahyari, M.; Bagheri, A.; **Shaabani, A.**, A novel bioelectrochemical sensing platform based on covalently attachment of cobalt phthalocyanine to graphene oxide. *Biosensors and Bioelectronics* **2014**, 52, 136-142.

7. Keshipour, S.; **Shaabani, A.**, Copper (I) and palladium nanoparticles supported on ethylenediamine-functionalized cellulose as an efficient catalyst for the 1, 3-dipolar cycloaddition/direct arylation sequence. *Applied organometallic chemistry* **2014**, *28* (2), 116-119.
8. Keshipour, S.; **Shaabani, A.**; Pedarpour, M.; Sarvary, A., An oxy-Michael addition: 2, 5-dihydroxy-1, 4-benzoquinone-assisted synthesis of 1-[ethoxy (phenyl) methyl]-2-naphthol and 5-[ethoxy (phenyl) methyl]-6-hydroxyquinoline derivatives. *Research on Chemical Intermediates* **2014**, *40* (1), 149-156.
9. Khanmiri, R. H.; Moghimi, A.; **Shaabani, A.**; Valizadeh, H.; Ng, S. W., Diaminoglyoxime as a versatile reagent in the synthesis of bis (1, 2, 4-oxadiazoles), 1, 2, 4-oxadiazolyl-quinazolines and 1, 2, 4-oxadiazolyl-benzothiazinones. *Molecular diversity* **2014**, *18* (4), 769-776.
10. Mahyari, M.; Laeini, M. S.; **Shaabani, A.**, Aqueous aerobic oxidation of alkyl arenes and alcohols catalyzed by copper (II) phthalocyanine supported on three-dimensional nitrogen-doped graphene at room temperature. *Chemical Communications* **2014**, *50* (58), 7855-7857.
11. Mahyari, M.; **Shaabani, A.**, Nickel nanoparticles immobilized on three-dimensional nitrogen-doped graphene as a superb catalyst for the generation of hydrogen from the hydrolysis of ammonia borane. *Journal of Materials Chemistry A* **2014**, *2* (39), 16652-16659.
12. Mahyari, M.; **Shaabani, A.**, Graphene oxide-iron phthalocyanine catalyzed aerobic oxidation of alcohols. *Applied Catalysis A: General* **2014**, *469*, 524-531.
13. Mahyari, M.; **Shaabani, A.**, AEROBIC OXIDATION OF ARENES AND ALCOHOLS CATALYZED BY COPPER (II) PHTHALOCYANINE SUPPORTED ON THREE-DIMENSIONAL NITROGEN-DOPED GRAPHENE. **2014**.
14. Mahyari, M.; **Shaabani, A.**; Behbahani, M.; Bagheri, A., Thiol-functionalized fructose-derived nanoporous carbon as a support for gold nanoparticles and its application for aerobic oxidation of alcohols in water. *Applied Organometallic Chemistry* **2014**, *28* (8), 576-583.
15. **Shaabani, A.**; Ganji, N.; Seyyedhamzeh, M.; Mofakham, H., Cellulose Sulfuric Acid: As an Efficient Bio Polymer Based Catalyst for the Selective Oxidation of Sulfides and Thiols by Hydrogen Peroxide. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2014**, *33* (3), 1-7.
16. **Shaabani, A.**; Ghadari, R.; Arabieh, M., Synthesis of a New Library of Pyrano-phenazine Derivatives via a Novel Three-Component Protocol. *Helvetica Chimica Acta* **2014**, *97* (2), 228-236.
17. **Shaabani, A.**; Hezarkhani, Z.; Shaabani, S., Cellulose supported manganese dioxide nanosheet catalyzed aerobic oxidation of organic compounds. *RSC Advances* **2014**, *4* (110), 64419-64428.
18. **Shaabani, A.**; Keshipour, S.; Hamidzad, M.; Seyyedhamzeh, M., Cobalt (II) supported on ethylenediamine-functionalized nanocellulose as an efficient catalyst for room temperature aerobic oxidation of alcohols. *Journal of chemical sciences* **2014**, *126* (1), 111-115.
19. **Shaabani, A.**; Keshipour, S.; Hamidzad, M.; Shaabani, S., Cobalt (II) phthalocyanine covalently anchored to cellulose as a recoverable and efficient catalyst for the aerobic oxidation of alkyl arenes and alcohols. *Journal of molecular catalysis A: Chemical* **2014**, *395*, 494-499.
20. **Shaabani, A.**; Mahyari, M.; Hajishaabanha, F., The synthesis of xanthenes and benzoxanthenes on graphene oxide and sulfated graphene nanosheets in water. *Research on Chemical Intermediates* **2014**, *40* (8), 2799-2810.

21. **Shaabani, A.**; Mahyari, M.; Hajishaabanha, F.; Mofakham, H., Synthesis of fully functionalized iminolactones via an isocyanide-based three-component reaction. *Journal of the Iranian Chemical Society* **2014**, *11* (4), 1183-1187.
22. **Shaabani, A.**; NOSRATI, H.; SHAABANI, S., CELLULOSE@ FE 2 O 3-SO 3 H NANOCOMPOSITES AS A BIO-SUPPORTED AND MAGNETICALLY RECYCLABLE SOLID ACID NANOCATALYST FOR THE SYNTHESIS OF AMINOIMIDAZOPYRIDINES. *Cellulose* **2014**, *2* (R3), 1-2.
23. **Shaabani, A.**; Seyyedhamzeh, M.; Ganji, N.; Ng, S. W., Catalyst-free rapid synthesis of benzo [4, 5] imidazo [1, 2-a]-pyrimidine-3-carboxamides via four-component coupling in one pot. *Journal of the Iranian Chemical Society* **2014**, *11* (2), 481-487.
24. SHAABANI, S.; **Shaabani, A.**; NG, S. W., ONE-POT SIX-COMPONENT SYNTHESIS OF 1, 2, 3-TRIAZOLE-COUMARIN DERIVATIVES VIA SEQUENTIAL KNEOVENOGEL/UGI-MCR/CLICK REACTION. **2014**.
25. Shaabani, S.; **Shaabani, A.**; Ng, S. W., One-pot synthesis of coumarin-3-carboxamides containing a triazole ring via an isocyanide-based six-component reaction. *ACS combinatorial science* **2014**, *16* (4), 176-183.

## 2013

1. Ahmar, H.; Keshipour, S.; Hosseini, H.; Fakhari, A. R.; **Shaabani, A.**; Bagheri, A., Electrocatalytic oxidation of hydrazine at glassy carbon electrode modified with ethylenediamine cellulose immobilized palladium nanoparticles. *Journal of Electroanalytical Chemistry* **2013**, *690*, 96-103.
2. Hajishaabanha, F.; Mahyari, M.; **Shaabani, A.**, The synthesis of xanthenes and benzoxanthenes on graphene oxide and sulfated graphene nanosheets in water. **2013**.
3. Keshipour, S.; Shojaei, S.; **Shaabani, A.**, Palladium nano-particles supported on ethylenediamine-functionalized cellulose as a novel and efficient catalyst for the Heck and Sonogashira couplings in water. *Cellulose* **2013**, *20* (2), 973-980.
4. Mahyari, M.; **Shaabani, A.**; Bide, Y., Gold nanoparticles supported on supramolecular ionic liquid grafted graphene: a bifunctional catalyst for the selective aerobic oxidation of alcohols. *RSC Advances* **2013**, *3* (44), 22509-22517.
5. Mahyari, M.; Shaabani, S.; **Shaabani, A.**; Weng Ng, S., A Passerini-Type Condensation: A Carboxylic Acid-Free Approach for the Synthesis of the  $\alpha$ -Acylloxycarboxamides. *Combinatorial chemistry & high throughput screening* **2013**, *16* (10), 858-864.
6. Mofakham, H.; Ghadari, R.; **Shaabani, A.**; Pedarpour, M.; Ghasemi, S., "On-water" organic synthesis: l-proline catalyzed synthesis of pyrimidine-2, 4-dione-, benzo [g]-and dihydropyrano [2, 3-g] chromene derivatives in aqueous media. *Journal of the Iranian Chemical Society* **2013**, *10* (2), 307-317.
7. Moghimi, A.; Khanmiri, R. H.; Omrani, I.; **Shaabani, A.**, A new library of 4 (3H)-and 4, 4'(3H, 3H')-quinazolinones and 2-(5-alkyl-1, 2, 4-oxadiazol-3-yl) quinazolin-4 (3H)-one obtained from diaminoglyoxime. *Tetrahedron Letters* **2013**, *54* (30), 3956-3959.
8. Moghimi, A.; Khanmiri, R. H.; **Shaabani, A.**; Hamadani, H., A green synthesis of nitrones from diamino glyoxime using aldehydes and ketones. *Journal of the Iranian Chemical Society* **2013**, *10* (5), 929-936.

9. **Shaabani, A.**; Farhangi, E.; Shaabani, S., A Rapid Combinatorial Library Synthesis of Benzazolo [2, 1-b] quinazolinones and Triazolo [2, 1-b] quinazolinones. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2013**, *32* (1), 3-10.
10. **Shaabani, A.**; Hezarkhani, Z.; Mofakham, H.; Ng, S. W., Synthesis of Highly Regioselective Bifunctional Tricyclic Tetrazole-1H-benzo [b][1, 4] diazepins. *Synlett* **2013**, *24* (12), 1485-1492.
11. **Shaabani, A.**; Mahyari, M., PdCo bimetallic nanoparticles supported on PPI-grafted graphene as an efficient catalyst for Sonogashira reactions. *Journal of Materials Chemistry A* **2013**, *1* (32), 9303-9311.
12. **Shaabani, A.**; Mahyari, M., PdAu Alloy Nanoparticles Encapsulated by PPI-g-MWCNTs as a Novel Catalyst for Chemoselective Hydrogenation of Alkenes Under Mild Conditions. *Catalysis letters* **2013**, *143* (12), 1277-1284.
13. **Shaabani, A.**; Mahyari, M.; Aghaei, M.; Keshipour, S.; Ng, S. W., A Remarkable One-Pot Sequential Four-Component Synthesis of Tetrahydroquinazolines via an Isocyanide-Based Multicomponent Reaction. *Synlett* **2013**, *24* (15), 1968-1972.
14. **Shaabani, A.**; Shaabani, S.; Mahyari, M., A passerini-type condensation: a carboxylic acid-free approach for the synthesis of the  $\alpha$ -acyloxycarboxamides. **2013**.

## 2012

1. Behbahani, M.; Mofakham, H.; Ahmar, H.; Bagheri, A.; Fakhari, A. R.; **Shaabani, A.**, A novel electrochemical method for the synthesis of 2, 4-diamino-6-hydroxybenzofuro [2, 3-b] pyridine-3-carbonitrile derivatives. *Journal of Electroanalytical Chemistry* **2012**, *676*, 48-52.
2. Ghadari, R.; Arabieh, M.; **Shaabani, A.**; Zahedi, M., Investigation of origin of stereoselectivity of BF<sub>3</sub>· Et<sub>2</sub>O-promoted allylboration of aldehydes in the presence of (R)-pinanediol by computational method. *Computational and Theoretical Chemistry* **2012**, *999*, 28-33.
3. Ghadari, R.; Arabieh, M.; Zahedi, M.; **Shaabani, A.**, An in silico study on the ring-size effect in ring enlargement Bellus-Claisen rearrangement. *Computational and Theoretical Chemistry* **2012**, *981*, 25-30.
4. Ghadari, R.; Hajishaabanha, F.; Aghaei, M.; **Shaabani, A.**; Ng, S. W., A facile three- and four-component procedure toward the synthesis of functionalized pyrano-and benzo [f] quinoxaline derivatives. *Molecular diversity* **2012**, *16* (3), 453-461.
5. Ghadari, R.; Hajishaabanha, F.; Mahyari, M.; **Shaabani, A.**; Khavasi, H. R., An unexpected route toward the synthesis of spiro-benzo [b] acridine-furan derivatives. *Tetrahedron Letters* **2012**, *53* (31), 4018-4021.
6. Ghadari, R.; **Shaabani, A.**, A density functional theory approach toward substituent effect in Meerwein–Eschenmoser–Claisen rearrangement. *Journal of molecular modeling* **2012**, *18* (1), 319-328.
7. Keshipour, S.; Shaabani, S.; **Shaabani, A.**, A novel one-pot pseudo five-component isocyanide-based reaction: synthesis of 2, 6-bis (alkylamino)-benzofuro [5, 6-b] furan-4, 8-dione derivatives. *Tetrahedron Letters* **2012**, *53* (52), 7085-7087.
8. Keshipour, S.; Shojaei, S.; **Shaabani, A.**, A novel one-pot isocyanide-based four-component reaction: synthesis of highly functionalized 1H-pyrazolo [1, 2-b] phthalazine-1, 2-dicarboxylates and 1H-pyrazolo [1, 2-a] pyridazine-1, 2-dicarboxylates. *Tetrahedron* **2012**, *68* (31), 6141-6145.

9. Mofakham, H.; Hezarkhani, Z.; **Shaabani, A.**, Cellulose-SO<sub>3</sub>H as a biodegradable solid acid catalyzed one-pot three-component Ugi reaction: Synthesis of  $\alpha$ -amino amide, 3, 4-dihydroquinoxalin-2-amine, 4H-benzo [b][1, 4] thiazin-2-amine and 1, 6-dihydropyrazine-2, 3-dicarbonitrile derivatives. *Journal of Molecular Catalysis A: Chemical* **2012**, *360*, 26-34.
10. Mofakham, H.; **Shaabani, A.**; Mousavifaraz, S.; Hajishaabanha, F.; Shaabani, S.; Ng, S. W., A novel one-pot pseudo-five-component condensation reaction towards bifunctional diazepine-tetrazole containing compounds: synthesis of 1H-tetrazolyl-1H-1, 4-diazepine-2, 3-dicarbonitriles and 1H-tetrazolyl-benzo [b][1, 4] diazepines. *Molecular diversity* **2012**, *16* (2), 351-356.
11. Seyyedhamzeh, M.; Ganji, N.; **Shaabani, A.**, Controlled microwave-assisted synthesis of metallophthalocyanines. *Journal of Porphyrins and Phthalocyanines* **2012**, *16* (10), 1110-1113.
12. **Shaabani, A.**; Hajishaabanha, F.; Mofakham, H.; Mahyari, M.; Lali, B., Isocyanide-Based Three-Component Synthesis of Highly Substituted 1, 6-Dihydro-6, 6-dimethylpyrazine-2, 3-dicarbonitrile, 3, 4-Dihydrobenzo [g] quinoxalin-2-amine, and 3, 4-Dihydro-3, 3-dimethylquinoxalin-2-amine Derivatives. *Helvetica Chimica Acta* **2012**, *95* (2), 246-254.
13. **Shaabani, A.**; Keshipour, S.; Aghaei, M.; Khodabandeh, M. H.; Zahedi, M., Synthesis of a new class of highly functionalized phosphorus ylides containing heterocyclic compounds. *Chinese Journal of Chemistry* **2012**, *30* (8), 1893-1900.
14. **Shaabani, A.**; Keshipour, S.; Shaabani, S.; Mahyari, M., Zinc chloride catalyzed three-component Ugi reaction: Synthesis of n-cyclohexyl-2-(2-hydroxyphenylamino) acetamide derivatives. *Tetrahedron Letters* **2012**, *53* (13), 1641-1644.
15. **Shaabani, A.**; Mofakham, H.; Mousavifaraz, S., A Two-Step Synthesis of 1H-Tetrazolyl-1H-1, 4-benzonitriles and 1H-Tetrazolyl-benzo [b][1, 4] diazepines. *Synlett* **2012**, *23* (05), 731-736.
16. **Shaabani, A.**; Mofakham, H.; Rahmati, A.; Farhangi, E., 1-Butyl-3-Methylimidazolium Bromide Promoted Selectively Oxidation of Sulfur Compounds by NaBrO<sub>3</sub>. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2012**, *31* (1), 1-8.
17. **Shaabani, A.**; Sarvary, A.; Maleki, A., Zwitterions and zwitterion-trapping agents in isocyanide chemistry. *Isocyanide chemistry: applications in synthesis and material science*. Weinheim: Wiley-VCH Verlag GmbH. Available from <http://onlinelibrary.wiley.com/doi/10.1002/9783527652532.ch8/summary> **2012**.
18. **Shaabani, A.**; Sarvary, A.; Mousavi-Faraz, S.; Ng, S. W., Synthesis of 1, 2-dihydroquinolin-2-ylphosphonates and 1, 2-dihydroisoquinolin-1-ylphosphonates via three-component reactions. *Monatshefte für Chemie-Chemical Monthly* **2012**, *143* (7), 1061-1065.

## 2011

1. Fakhari, A. R.; Ahmar, H.; Hosseiny Davarani, S. S.; **Shaabani, A.**; Nikjah, S.; Maleki, A., Electro-Organic Synthesis of 2-Amino-3-cyano-benzofuran Derivatives Using Hydroquinones and Malononitrile. *Synthetic Communications* **2011**, *41* (4), 561-568.
2. Sarvary, A.; Shaabani, S.; **Shaabani, A.**; Ng, S., A two-step synthesis of 1, 5-disubstituted tetrazoles containing a siloxy or sulfonamide group. *Tetrahedron letters* **2011**, *52* (45), 5930-5933.
3. **Shaabani, A.**; Ghadari, R.; Rezayan, A. H., Synthesis of functionalized coumarins. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2011**, *30* (4), 19-22.

4. **Shaabani, A.**; Hajishaabanha, F.; Mahyari, M.; Mofakham, H.; Ng, S. W., A novel one-pot pseudo-four-component isocyanide-based reaction: an unexpected approach for the synthesis of tetrahydrodiisoindoloquinolines and tetrahydrobenzodiisoindoloquinolines. *Tetrahedron* **2011**, *67* (43), 8360-8366.
5. **Shaabani, A.**; Mahyari, M.; Seyyedhamzeh, M.; Keshipour, S.; Ng, S. W., A one-pot pseudo nine-component isocyanide-based reaction: synthesis of a new class of zinc 1, 5-disubstituted 1H-tetrazol-5-yl coordination complexes. *Tetrahedron letters* **2011**, *52* (34), 4388-4391.
6. **Shaabani, A.**; Maleki, A.; Rezayan, A. H.; Sarvary, A., Recent progress of isocyanide-based multicomponent reactions in Iran. *Molecular diversity* **2011**, *15* (1), 41-68.
7. **Shaabani, A.**; Rahmati, A.; Rezayan, A.; Khavasi, H., A stereoselective three-component reaction: The facile synthesis of fluorinated tetrahydropyrimido [1, 2-b] benzothiazoles. *Journal of the Iranian Chemical Society* **2011**, *8* (1), 24-30.
8. **Shaabani, A.**; Sarvary, A.; Ghasemi, S.; Rezayan, A. H.; Ghadari, R.; Ng, S. W., An environmentally benign approach for the synthesis of bifunctional sulfonamide-amide compounds via isocyanide-based multicomponent reactions. *Green Chemistry* **2011**, *13* (3), 582-585.

## 2010

1. Ghadari, R.; **Shaabani, A.**, Investigation of substituent effect on the Johnson–Claisen rearrangement: A DFT approach. *Journal of Molecular Structure: THEOCHEM* **2010**, *961* (1-3), 83-87.
2. Hajimohammadi, M.; Safari, N.; Mofakham, H.; **Shaabani, A.**, A new and efficient aerobic oxidation of aldehydes to carboxylic acids with singlet oxygen in the presence of porphyrin sensitizers and visible light. *Tetrahedron Letters* **2010**, *51* (31), 4061-4065.
3. **Shaabani, A.**; Amini, M. M.; Ghasemi, S.; Ghadari, R.; Rezayan, A. H.; Fazaeli, Y.; Feizi, S., Pyridine-functionalized MCM-41 as an efficient and recoverable catalyst for the synthesis of pyran annulated heterocyclic systems. *Chemical and Pharmaceutical Bulletin* **2010**, *58* (2), 270-272.
4. **Shaabani, A.**; Ghadari, R., Direct Sulfonation of Methane to Methanesulfonic Acid. *Industrial & Engineering Chemistry Research* **2010**, *49* (16), 7685-7686.
5. **Shaabani, A.**; Hajishaabanha, F.; Mofakham, H.; Maleki, A., A new one-pot three-component synthesis of 2, 4-diamino-5H-chromeno [2, 3-b] pyridine-3-carbonitrile derivatives. *Molecular diversity* **2010**, *14* (1), 179-182.
6. **Shaabani, A.**; Mofakham, H.; Maleki, A.; Hajishaabanha, F., Novel isocyanide-based one-pot multicomponent syntheses of tetrahydrobenzo [b][1, 4] oxazepine and malonamide derivatives. *Journal of combinatorial chemistry* **2010**, *12* (5), 630-632.
7. **Shaabani, A.**; Rezayan, A. H.; Sarvary, A.; Keshipour, S.; Khavasi, H. R., An unexpected coupling reaction between isocyanides and carboxylic acids: a method for the synthesis of highly stable symmetrical and unsymmetrical alkylamidine and arylamidine carbocations. *Tetrahedron Letters* **2010**, *51* (31), 4091-4094.
8. **Shaabani, A.**; Sarvary, A.; Keshipour, S.; Rezayan, A. H.; Ghadari, R., Unexpected Knoevenagel self-condensation reaction of tetronic acid: synthesis of a new class of organic heterocyclic salts. *Tetrahedron* **2010**, *66* (10), 1911-1914.



9. **Shaabani, A.**; Seyyedhamzeh, M.; Maleki, A.; Hajishaabanha, F., Diketene as an alternative substrate for a new Biginelli-like multicomponent reaction: one-pot synthesis of 5-carboxamide substituted 3, 4-dihydropyrimidine-2 (1H) ones. *Tetrahedron* **2010**, *66* (23), 4040-4042.

## 2009

1. **Shaabani, A.**; Behnam, M.; Rezayan, A. H., Tungstophosphoric acid (H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>) catalyzed oxidation of organic compounds with NaBrO<sub>3</sub>. *Catalysis Communications* **2009**, *10* (7), 1074-1078.
2. **Shaabani, A.**; Farhangi, E., Cobalt (II) phthalocyanine catalyzed aerobic regeneration of carbonyl compounds from the corresponding oximes in 1-butyl-3-methylimidazolium bromide. *Applied Catalysis A: General* **2009**, *371* (1-2), 148-152.
3. **Shaabani, A.**; Ghadari, R.; Ghasemi, S.; Pedarpour, M.; Rezayan, A. H.; Sarvary, A.; Ng, S. W., Novel one-pot three-and pseudo-five-component reactions: synthesis of functionalized benzo [g]-and dihydropyrano [2, 3-g] chromene derivatives. *Journal of Combinatorial Chemistry* **2009**, *11* (6), 956-959.
4. **Shaabani, A.**; Ghadari, R.; Rahmati, A.; Rezayan, A., Coumarin synthesis via Knoevenagel condensation reaction in 1, 1, 3, 3-N, N', N', N'-tetramethylguanidinium trifluoroacetate ionic liquid. *Journal of the Iranian Chemical Society* **2009**, *6* (4), 710-714.
5. **Shaabani, A.**; Ghadari, R.; Sarvary, A.; Rezayan, A. H., Synthesis of highly functionalized bis (4 H-chromene) and 4 H-benzo [g] chromene derivatives via an isocyanide-based pseudo-five-component Reaction. *The Journal of organic chemistry* **2009**, *74* (11), 4372-4374.
6. **Shaabani, A.**; Maleki, A.; Hajishaabanha, F.; Mofakham, H.; Seyyedhamzeh, M.; Mahyari, M.; Ng, S. W., Novel syntheses of tetrahydrobenzodiazepines and dihydropyrazines via isocyanide-based multicomponent reactions of diamines. *Journal of combinatorial chemistry* **2009**, *12* (1), 186-190.
7. **Shaabani, A.**; Maleki, A.; Mofakham, H., One-Pot Three-Component Synthesis of Tetrahydro-1H-1, 5-benzodiazepines. *Synfacts* **2009**, *2009* (02), 0133-0133.
8. **Shaabani, A.**; Maleki, A.; Mofakham, H., A novel synthesis of highly substituted imidazo [1, 5-a] pyrazine derivatives by 3-CR/2-CR sequence. *Molecular diversity* **2009**, *13* (1), 63-67.
9. **Shaabani, A.**; Maleki, A.; Soudi, M. R.; Mofakham, H., Xanthan sulfuric acid: A new and efficient bio-supported solid acid catalyst for the synthesis of  $\alpha$ -amino nitriles by condensation of carbonyl compounds, amines, and trimethylsilylcyanide. *Catalysis Communications* **2009**, *10* (6), 945-949.
10. **Shaabani, A.**; Rezayan, A. H.; Behnam, M.; Heidary, M., Green chemistry approaches for the synthesis of quinoxaline derivatives: Comparison of ethanol and water in the presence of the reusable catalyst cellulose sulfuric acid. *Comptes Rendus Chimie* **2009**, *12* (12), 1249-1252.
11. **Shaabani, A.**; Rezayan, A. H.; Ghasemi, S.; Sarvary, A., A mild and efficient method for the synthesis of 2, 5-dihydro-5-imino-2-methylfuran-3, 4-dicarboxylates via an isocyanide-based multicomponent reaction. *Tetrahedron Letters* **2009**, *50* (13), 1456-1458.
12. **Shaabani, A.**; Rezayan, A. H.; Keshipour, S.; Sarvary, A.; Ng, S. W., A Novel one-pot three-(in situ five-) component condensation reaction: an unexpected approach for the synthesis

of tetrahydro-2, 4-dioxo-1 h-benzo [b][1, 5] diazepine-3-yl-2-methylpropanamide derivatives. *Organic letters* **2009**, *11* (15), 3342-3345.

13. **Shaabani, A.**; Rezayan, A. H.; Sarvary, A.; Heidary, M.; Ng, S. W., Synthesis of highly stable unusual charge-separated pyridinium-, isoquinolinium-, quinolinium-, and N-methylimidazolium-tetronic acid zwitterions. *Tetrahedron* **2009**, *65* (31), 6063-6068.
14. **Shaabani, A.**; Sarvary, A.; Rezayan, A.; Keshipour, S., Three-Component Synthesis of Pyrano [2, 3-c] pyrazoles. *Synfacts* **2009**, *2009* (06), 0606-0606.
15. **Shaabani, A.**; Sarvary, A.; Rezayan, A. H.; Keshipour, S., Synthesis of fully substituted pyrano [2, 3-c] pyrazole derivatives via a multicomponent reaction of isocyanides. *Tetrahedron* **2009**, *65* (17), 3492-3495.
16. **Shaabani, A.**; Seyyedhamzeh, M.; Maleki, A.; Behnam, M., A four-component, one-pot synthesis of highly substituted 1, 4-dihydro-1, 8-naphthyridine-3-carboxamides. *Tetrahedron Letters* **2009**, *50* (46), 6355-6357.
17. **Shaabani, A.**; Seyyedhamzeh, M.; Maleki, A.; Behnam, M.; Rezazadeh, F., Synthesis of fully substituted pyrazolo [3, 4-b] pyridine-5-carboxamide derivatives via a one-pot four-component reaction. *Tetrahedron Letters* **2009**, *50* (24), 2911-2913.
18. **Shaabani, A.**; Seyyedhamzeh, M.; Maleki, A.; Rezazadeh, F., Cellulose sulfuric acid: an efficient biopolymer-based catalyst for the synthesis of oxazolines, imidazolines and thiazolines under solvent-free conditions. *Applied Catalysis A: General* **2009**, *358* (2), 146-149.
19. **Shaabani, A.**; Seyyedhamzeh, M.; Maleki, A.; Rezazadeh, F.; Behnam, M., New one-pot four-component synthesis of disubstituted pyrido [2, 3-d] pyrimidine-6-carboxamide derivatives. *Journal of combinatorial chemistry* **2009**, *11* (3), 375-377.
20. **Shaabani, A.**; Soleimani, E.; Maleki, A.; Moghimi-Rad, J., A novel class of extended pi-conjugated systems: one-pot synthesis of bis-3-aminoimidazo [1, 2-a] pyridines, pyrimidines and pyrazines. *Molecular diversity* **2009**, *13* (2), 269.
21. **Shaabani, A.**; Soleimani, E.; Sarvary, A.; Rezayan, A. H.; Maleki, A., Tin (II) Chloride Dihydrate Catalyzed Groebke Condensation: An Efficient Protocol for the Synthesis of 3-Aminoimidazo [1, 2-a] pyridines. *Chinese Journal of Chemistry* **2009**, *27* (2), 369-371.

## 2008

1. Davarani, S. S. H.; Fakhari, A. R.; **Shaabani, A.**; Ahmar, H.; Maleki, A.; Fumani, N. S., A facile electrochemical method for the synthesis of phenazine derivatives via an ECECC pathway. *Tetrahedron Letters* **2008**, *49* (39), 5622-5624.
2. **SHAABANI, A.**, BOOK READING IN PRISON AS REPORTED BY IMPRISONED WRITERS DURING THE REIGN OF REZA SHAH. **2008**.
3. **Shaabani, A.**, Frontier orbitals aromaticity: A simple approach to the analysis of pericyclic reactions. *Journal of the Iranian Chemical Society* **2008**, *5* (1), S47-S53.
4. **Shaabani, A.**; Bijanzadeh, H. R.; Karimi, A. R.; Teimouri, M. B.; Soleimani, K., Synthesis and tautomerization study of pseudonitrosites to 1, 2-nitroximes. *Canadian Journal of Chemistry* **2008**, *86* (3), 248-252.
5. **Shaabani, A.**; Farhangi, E.; Rahmati, A., Aerobic oxidation of alkyl arenes and alcohols using cobalt (II) phthalocyanine as a catalyst in 1-butyl-3-methyl-imidazolium bromide. *Applied Catalysis A: General* **2008**, *338* (1-2), 14-19.

6. **Shaabani, A.**; Farhangi, E.; Rahmati, A., Ionic liquid promoted selective oxidation of organic compounds with NaBrO<sub>3</sub>. *Monatshefte für Chemie-Chemical Monthly* **2008**, *139* (8), 905-908.
7. **Shaabani, A.**; Hossein Rezayan, A.; Sarvary, A.; Rahmati, A., Isocyanide-Catalyzed Reaction of Tetracyanoethylene and Activated 1, 3-Dicarbonyl CH-Acid Compounds: A Rapid and Efficient Synthesis of Pyran Annulated Heterocyclic Systems. *Synthetic Communications* **2008**, *38* (2), 274-281.
8. **Shaabani, A.**; Maleki, A., Monatsch. Chem. Monatsch. Chem. 138, 51-56, 2007. *Chemical & pharmaceutical bulletin* **2008**, *56* (1), 79-81.
9. **Shaabani, A.**; Maleki, A., Green and efficient synthesis of quinoxaline derivatives via ceric ammonium nitrate promoted and in situ aerobic oxidation of  $\alpha$ -hydroxy ketones and  $\alpha$ -keto oximes in aqueous media. *Chemical and Pharmaceutical Bulletin* **2008**, *56* (1), 79-81.
10. **Shaabani, A.**; Maleki, A., Comprehensive Organic Synthesis, Combining CC  $\pi$ -Bonds Comprehensive Organic Synthesis, Combining CC  $\pi$ -Bonds, 1991. *Chemical & pharmaceutical bulletin* **2008**, *56* (1), 79-81.
11. **Shaabani, A.**; Maleki, A., Comprehensive Heterocyclic Chemistry Comprehensive Heterocyclic Chemistry, 1984. *Chemical & pharmaceutical bulletin* **2008**, *56* (1), 79-81.
12. **Shaabani, A.**; Maleki, A.; Behnam, M., Tandem oxidation process using ceric ammonium nitrate: Three-component synthesis of trisubstituted imidazoles under aerobic oxidation conditions. *Synthetic Communications®* **2008**, *39* (1), 102-110.
13. **Shaabani, A.**; Maleki, A.; Mofakham, H., Novel multicomponent one-pot synthesis of tetrahydro-1 H-1, 5-benzodiazepine-2-carboxamide derivatives. *Journal of combinatorial chemistry* **2008**, *10* (4), 595-598.
14. **Shaabani, A.**; Maleki, A.; Mofakham, H., Click Reaction: highly efficient synthesis of 2, 3-dihydroquinazolin-4 (1 H)-ones. *Synthetic Communications®* **2008**, *38* (21), 3751-3759.
15. **Shaabani, A.**; Maleki, A.; Mofakham, H.; Khavasi, H. R., Novel isocyanide-based three-component synthesis of 3, 4-dihydroquinoxalin-2-amine derivatives. *Journal of combinatorial chemistry* **2008**, *10* (2), 323-326.
16. **Shaabani, A.**; Maleki, A.; Mofakham, H.; Khavasi, H. R., Novel isocyanide-based three-component one-pot synthesis of cyanophenylamino-acetamide derivatives. *Journal of combinatorial chemistry* **2008**, *10* (6), 883-885.
17. **Shaabani, A.**; Maleki, A.; Mofakham, H.; Moghimi-Rad, J., A novel one-pot pseudo-five-component synthesis of 4, 5, 6, 7-tetrahydro-1 H-1, 4-diazepine-5-carboxamide derivatives. *The Journal of organic chemistry* **2008**, *73* (10), 3925-3927.
18. **Shaabani, A.**; Rahmati, A., Aerobic oxidation of alkyl arenes using a combination of N-hydroxy phthalimide and recyclable cobalt (II) tetrasulfophthalocyanine supported on silica. *Catalysis Communications* **2008**, *9* (8), 1692-1697.
19. **Shaabani, A.**; Rahmati, A.; Badri, Z., Sulfonated cellulose and starch: New biodegradable and renewable solid acid catalysts for efficient synthesis of quinolines. *Catalysis Communications* **2008**, *9* (1), 13-16.
20. **Shaabani, A.**; Rahmati, A.; Moghimirad, J., Synthesis of a novel class of 3-(2'-benzothiazolyl)-2, 3-dihydroquinazolin-4 (1H)-ones under solvent-free and catalyst-free conditions. *Journal of Heterocyclic Chemistry* **2008**, *45* (6), 1629-1632.
21. **Shaabani, A.**; Rahmati, A.; Rad, J. M., Ionic liquid promoted synthesis of 3-(2'-benzothiazolo)-2, 3-dihydroquinazolin-4 (1H)-ones. *Comptes Rendus Chimie* **2008**, *11* (6-7), 759-764.

22. **Shaabani, A.**; Rezayan, A. H.; Heidary, M.; SARVARY, A., Comprehensive Organic Synthesis Comprehensive Organic Synthesis 2, 341-394, 1991. *Chemical & pharmaceutical bulletin* **2008**, 56 (10), 1480-1482.
23. **Shaabani, A.**; Rezayan, A. H.; Heidary, M.; Sarvary, A., Meldrum's acid catalyzed reaction of tetracyanoethylene and aldehydes in water: A novel approach to arylidenemalononitrile. *Chemical and Pharmaceutical Bulletin* **2008**, 56 (10), 1480-1482.
24. **Shaabani, A.**; Rezayan, A. H.; Heidary, M.; Sarvary, A., Aerobic oxidative deprotection of silyl ethers to carbonyl compounds with cobalt (II) tetrasulfophthalocyanine as a catalyst in ionic liquid. *Catalysis Communications* **2008**, 10 (2), 129-131.
25. **Shaabani, A.**; Rezayan, A. H.; Heidary, M.; Sarvary, A., A mild and efficient approach for the selective deprotection of benzyl and phenyl trimethylsilyl ethers in 1-butyl-3-methylimidazolium chloride. *Monatshefte für Chemie-Chemical Monthly* **2008**, 139 (12), 1471.
26. **Shaabani, A.**; Rezayan, A. H.; Sarvary, A.; Khavasi, H. R., A novel pyridine-based three-component condensation reaction: synthesis of highly substituted quinolizines. *Tetrahedron Letters* **2008**, 49 (9), 1469-1472.
27. **Shaabani, A.**; Rezayan, A. H.; Sarvary, A.; Rahmati, A.; Khavasi, H. R., Pyridine catalyzed reaction of tetracyanoethylene and activated 1, 3-dicarbonyl CH-acid compounds: A rapid and efficient synthesis of pyran annulated heterocyclic systems. *Catalysis Communications* **2008**, 9 (6), 1082-1086.
28. **Shaabani, A.**; Rezazadeh, F.; Soleimani, E., Ammonium chloride catalyzed one-pot synthesis of imidazo [1, 2-a] pyridines. *Monatshefte für Chemie-Chemical Monthly* **2008**, 139 (8), 931-933.
29. **Shaabani, A.**; Safari, N.; Shoghpour, S.; Rezayan, A. H., Silica-supported cobalt (II) tetrasulfophthalocyanine catalyzed aerobic oxidation of thiols to disulfides under neutral conditions. *Monatshefte für Chemie-Chemical Monthly* **2008**, 139 (6), 613.
30. **Shaabani, A.**; Sarvary, A.; Soleimani, E.; Rezayan, A. H.; Heidary, M., A novel method for the synthesis of substituted 3, 4-dihydrocoumarin derivatives via isocyanide-based three-component reaction. *Molecular diversity* **2008**, 12 (3-4), 197.
31. **Shaabani, A.**; Soleimani, E.; Khavasi, H. R., Synthesis of 1-aminoimidazo [5, 1-a] isoquinolinium salts based on multicomponent reactions of isocyanides. *Journal of combinatorial chemistry* **2008**, 10 (3), 442-446.
32. **Shaabani, A.**; Soleimani, E.; Maleki, A.; Moghimi-Rad, J., Rapid Synthesis of 3-Aminoimidazo [1, 2-a] Pyridines and Pyrazines. *Synthetic Communications* **2008**, 38 (7), 1090-1095.
33. **Shaabani, A.**; Soleimani, E.; Moghimi-Rad, J., A novel three-component reaction for the synthesis of 1, 2-dihydroisoquinolines via the reaction of isoquinoline and isocyanides with strong CH-acids in water. *Tetrahedron Letters* **2008**, 49 (7), 1277-1281.
34. **Shaabani, A.**; Soleimani, E.; Rezayan, A.; Sarvary, A.; Khavasi, H., Four-Component Synthesis of 3, 4-Dihydro-coumarin Derivatives. *Synfacts* **2008**, 2008 (09), 0921-0921.
35. **Shaabani, A.**; Soleimani, E.; Rezayan, A. H.; Sarvary, A.; Khavasi, H. R., Novel isocyanide-based four-component reaction: A facile synthesis of fully substituted 3, 4-dihydrocoumarin derivatives. *Organic letters* **2008**, 10 (12), 2581-2584.
36. **Shaabani, A.**; Soleimani, E.; Sarvary, A., Synthesis of fully substituted iminolactones via a three-component condensation of isocyanides and acetylenic esters with 2-bromo-1-(4-bromophenyl) ethanone. *Monatshefte für Chemie-Chemical Monthly* **2008**, 139 (6), 629-632.

37. **Shaabani, A.**; Soleimani, E.; Sarvary, A.; Rezayan, A. H., A simple and efficient approach to the synthesis of 4H-furo [3, 4-b] pyrans via a three-component reaction of isocyanides. *Bioorganic & medicinal chemistry letters* **2008**, *18* (14), 3968-3970.

## 2007

1. **Shaabani, A.**; Maleki, A., Cellulose sulfuric acid as a bio-supported and recyclable solid acid catalyst for the one-pot three-component synthesis of  $\alpha$ -amino nitriles. *Applied Catalysis A: General* **2007**, *331*, 149-151.
2. **Shaabani, A.**; Maleki, A., Ionic liquid promoted one-pot three-component reaction: synthesis of annulated imidazo [1, 2-a] azines using trimethylsilylcyanide. *Monatshefte für Chemie-Chemical Monthly* **2007**, *138* (1), 51-56.
3. **Shaabani, A.**; Maleki, A., Three-component, one-pot synthesis of 3, 4-dihydropyrimidin-2-(1H)-ones catalyzed by bromodimethylsulfonium bromide. *Chemical Papers* **2007**, *61* (4), 333-336.
4. **Shaabani, A.**; Maleki, A., A fast and efficient method for the synthesis of 1, 5-benzodiazepine derivatives under solvent-free conditions. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2007**, *26* (4), 93-97.
5. **SHAABANI, A.**; MALEKI, A.; MOGHIMI, R.; SOLEIMANI, E., オレオサイエンス =/Japan oil chemists' society 1 (7), 743-755, 2001-07-01. *Chemical & pharmaceutical bulletin* **2007**, *55* (6), 957-958.
6. **SHAABANI, A.**; MALEKI, A.; MOGHIMI, R.; SOLEIMANI, E., Special Topics in Heterocyclic Chemistry Special Topics in Heterocyclic Chemistry, 1977. *Chemical & pharmaceutical bulletin* **2007**, *55* (6), 957-958.
7. **SHAABANI, A.**; MALEKI, A.; MOGHIMI, R.; SOLEIMANI, E., Green Chemistry and Technology Green Chemistry and Technology, 2002. *Chemical & pharmaceutical bulletin* **2007**, *55* (6), 957-958.
8. **SHAABANI, A.**; MALEKI, A.; MOGHIMI, R.; SOLEIMANI, E., Heterocyclic Systems with Bridgehead Nitrogen Atoms Heterocyclic Systems with Bridgehead Nitrogen Atoms Part I, 460, 1961. *Chemical & pharmaceutical bulletin* **2007**, *55* (6), 957-958.
9. **Shaabani, A.**; Maleki, A.; Moghimi-Rad, J., A novel isocyanide-based three-component reaction: synthesis of highly substituted 1, 6-dihydropyrazine-2, 3-dicarbonitrile derivatives. *The Journal of organic chemistry* **2007**, *72* (16), 6309-6311.
10. **Shaabani, A.**; Maleki, A.; Rad, J. M.; Soleimani, E., Cellulose sulfuric acid catalyzed one-pot three-component synthesis of imidazoazines. *Chemical and pharmaceutical bulletin* **2007**, *55* (6), 957-958.
11. **Shaabani, A.**; Maleki-Moghaddam, R.; Maleki, A.; Rezayan, A., Microwave assisted synthesis of metal-free phthalocyanine and metallophthalocyanines. *Dyes and pigments* **2007**, *74* (2), 279-282.
12. **Shaabani, A.**; Mirzaei, P., Microwave-Assisted Three Component Cyclocondensation Reaction: A Facile Synthesis of Highly Functionalized Cyclohexene Derivatives. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2007**, *26* (4), 59-61.
13. **Shaabani, A.**; Rahmati, A.; Farhangi, E., Water promoted one-pot synthesis of 2'-aminobenzothiazolomethyl naphthols and 5-(2'-aminobenzothiazolomethyl)-6-hydroxyquinolines. *Tetrahedron Letters* **2007**, *48* (41), 7291-7294.

14. **Shaabani, A.**; Rahmati, A.; Farhangi, E.; Badri, Z., Silica sulfuric acid promoted the one-pot synthesis of trisubstituted imidazoles under conventional heating conditions or using microwave irradiation. *Catalysis Communications* **2007**, 8 (7), 1149-1152.
15. **Shaabani, A.**; Rahmati, A.; Farhangi, E.; Rezayan, A. H., One-step Synthesis of 3, 4-Dihydrobenzimidazo [2, 1-b] quinazolin-1 (2H)-ones in an Ionic Liquid. *Monatshefte für Chemie-Chemical Monthly* **2007**, 138 (6), 615-618.
16. **Shaabani, A.**; Rahmati, A.; Naderi, S., An easy one-pot procedure for the synthesis of N-sulfonyl phosphorous ylides and sulfonyl iminophosphoranes. *Monatshefte für Chemie-Chemical Monthly* **2007**, 138 (6), 553-557.
17. **Shaabani, A.**; Rahmati, A.; Naderi, S., Ultrasound-Promoted Rapid Oxidative Cleavage of Oximes with NaBrO<sub>3</sub>/Ion Exchange Resin. *Synthetic Communications* **2007**, 37 (22), 4035-4042.
18. **Shaabani, A.**; Rahmati, A.; Rezayan, A. H.; Darvishi, M.; Badri, Z.; Sarvari, A., Clean Synthesis in Water: Uncatalyzed Three-Component Condensation Reaction of 3-Amino-1, 2, 4-triazole or 2-Aminobenzimidazole with Aldehyde in the Presence of Activated CH-Acids. *QSAR & Combinatorial Science* **2007**, 26 (9), 973-979.
19. **Shaabani, A.**; Rahmati, A.; Sharifi, M.; Rad, J. M.; Aghaaliakbari, B.; Farhangi, E.; Lee, D. G., Green oxidations. Manganese (II) sulfate aided oxidations of organic compounds by potassium permanganate. *Monatshefte für Chemie-Chemical Monthly* **2007**, 138 (7), 649-651.
20. **Shaabani, A.**; Rezayan, A. H., Silica sulfuric acid promoted selective oxidation of sulfides to sulfoxides or sulfones in the presence of aqueous H<sub>2</sub>O<sub>2</sub>. *Catalysis Communications* **2007**, 8 (7), 1112-1116.
21. **Shaabani, A.**; Rezayan, A. H.; Rahmati, A.; Sarvary, A., A novel isocyanide-based three-component condensation reaction: Synthesis of fully substituted imino-and spiroiminocyclopentenes. *Synlett* **2007**, 2007 (09), 1458-1460.
22. **Shaabani, A.**; Samadi, S.; Rahmati, A., One-Pot, Three-Component Condensation Reaction in Water: an Efficient and Improved Procedure for the Synthesis of Pyran Annulated Heterocyclic Systems. *Synthetic communications* **2007**, 37 (3), 491-499.
23. **Shaabani, A.**; Sarvary, A.; Rahmati, A.; Rezayan, A. H., Ionic liquid/silica sulfuric acid promoted fast synthesis of a Biginelli-like scaffold reaction. *Letters in Organic Chemistry* **2007**, 4 (1), 68-71.
24. **Shaabani, A.**; Soleimani, E., Synthesis a novel class of unsaturated cyclic compounds containing phosphorus atom using pseudo four-component condensation reactions. *Journal of the Iranian Chemical Society* **2007**, 4 (4), 497-502.
25. **Shaabani, A.**; Soleimani, E.; Badri, Z., Trifluoroacetic acid as an efficient catalyst for the synthesis of quinoline. *Synthetic communications* **2007**, 37 (4), 629-635.
26. **Shaabani, A.**; Soleimani, E.; Darvishi, M., Ionic liquid promoted one-pot synthesis of furo [2, 3-d] pyrimidine-2, 4 (1H, 3H)-diones. *Monatshefte für Chemie-Chemical Monthly* **2007**, 138 (1), 43-46.
27. **Shaabani, A.**; Soleimani, E.; Khavasi, H. R., An unexpected, novel, three-component reaction between isoquinoline, an isocyanide and strong CH-acids in water. *Tetrahedron letters* **2007**, 48 (27), 4743-4747.
28. **Shaabani, A.**; Soleimani, E.; Maleki, A., One-pot three-component synthesis of 3-aminoimidazo [1, 2-a] pyridines and-pyrazines in the presence of silica sulfuric acid. *Monatshefte für Chemie-Chemical Monthly* **2007**, 138 (1), 73-76.

29. **Shaabani, A.**; Soleimani, E.; Mofakham, H., Microwave-Assisted Synthesis of the Quinolin-2 (1H)-One Derivatives. *Letters in Organic Chemistry* **2007**, *4* (7), 515-518.
30. **Shaabani, A.**; Soleimani, E.; Rezayan, A. H., A novel approach for the synthesis of alkyl and aryl sulfonamides. *Tetrahedron letters* **2007**, *48* (12), 2185-2188.
31. **Shaabani, A.**; Soleimani, E.; Rezayan, A. H., A novel approach for the synthesis of aryl amides. *Tetrahedron letters* **2007**, *48* (35), 6137-6141.

## 2006

1. Amini, M. M.; **Shaabani, A.**; Bazgir, A., Tangstophosphoric acid (H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>): An efficient and eco-friendly catalyst for the one-pot synthesis of dihydropyrimidin-2 (1H)-ones. *Catalysis Communications* **2006**, *7* (11), 843-847.
2. **Shaabani, A.**; Dabiri, M.; Bazgir, A.; Gharanjig, K., Microwave-assisted rapid synthesis of 1, 4-diketo-pyrrolo [3, 4-c]-pyrroles' derivatives under solvent-free conditions. *Dyes and pigments* **2006**, *71* (1), 68-72.
3. **Shaabani, A.**; Farhangi, E.; Rahmati, A., Synthesis of tetrahydrobenzimidazo [1, 2-b] quinazolin-1 (2H)-one and tetrahydro-1, 2, 4-triazolo [5, 1-b] quinazolin-8 (4H)-one ring systems under solvent-free conditions. *Combinatorial chemistry & high throughput screening* **2006**, *9* (10), 771-776.
4. **Shaabani, A.**; Maleki, A., Rapid and efficient synthesis of metal-free phthalocyanine derivatives. *Journal of Porphyrins and Phthalocyanines* **2006**, *10* (11), 1253-1258.
5. **Shaabani, A.**; Rahmati, A., Silica sulfuric acid as an efficient and recoverable catalyst for the synthesis of trisubstituted imidazoles. *Journal of Molecular Catalysis A: Chemical* **2006**, *249* (1-2), 246-248.
6. **Shaabani, A.**; Rahmati, A.; Aghaaliakbari, B.; Safaei-Ghomi, J., 1, 1, 3, 3-N, N, N', N'-Tetramethylguanidinium Trifluoroacetate Ionic Liquid-Promoted Efficient One-Pot Synthesis of Trisubstituted Imidazoles. *Synthetic communications* **2006**, *36* (1), 65-70.
7. **Shaabani, A.**; Rahmati, A.; Aghaaliakbari, B.; Safaei# ghomi, J., 1, 1, 3, 3# 8 2 0 8 i> N/i>, i> N/i>, i> N/i># 8 2 4 2, i> N/i># 8 2 4 2# 8 2 0 8 T etra-methylguanidinium T rifluoroacetate I onic L iqui. *Synthetic Communications* **2006**, *36* (1-3), 65-70.
8. **Shaabani, A.**; Rahmati, A.; Farhangi, E., Selective and efficient oxidation of sulfides and thiols with a 1, 1, 3, 3-tetramethylguanidine/Br<sub>2</sub> complex. *Journal of Sulfur Chemistry* **2006**, *27* (4), 287-291.
9. **Shaabani, A.**; Rezayan, A. H.; Rahmati, A.; Sharifi, M., Ultrasound-accelerated synthesis of 1, 4-dihydropyridines in an ionic liquid. *Monatshefte für Chemie/Chemical Monthly* **2006**, *137* (1), 77-81.
10. **Shaabani, A.**; Soleimani, E., A novel three component reaction: The synthesis of stable, highly functionalized 1, 4-diionic nitrogen betaines. *Phosphorus, Sulfur, and Silicon and the Related Elements* **2006**, *181* (11), 2475-2482.
11. **Shaabani, A.**; Soleimani, E.; Badri, Z., Silica sulfuric acid as an inexpensive and recyclable solid acid catalyzed efficient synthesis of quinolines. *Monatshefte für Chemie/Chemical Monthly* **2006**, *137* (2), 181-184.
12. **Shaabani, A.**; Soleimani, E.; Khavasi, H. R.; Hoffmann, R.-D.; Rodewald, U. C.; Poettgen, R., An isocyanide-based three-component reaction: synthesis of fully substituted N-alkyl-2-triphenylphosphoranylidene glutarimides. *Tetrahedron letters* **2006**, *47* (31), 5493-5496.

13. **Shaabani, A.**; Soleimani, E.; Maleki, A., Ionic liquid promoted one-pot synthesis of 3-aminoimidazo [1, 2-a] pyridines. *Tetrahedron letters* **2006**, *47* (18), 3031-3034.
14. Teimouri, M. B.; **Shaabani, A.**; Bazhrang, R., Reaction between alkyl isocyanides and dialkyl acetylenedicarboxylates in the presence of benzoyl cyanides: one-pot synthesis of highly functionalized iminolactones. *Tetrahedron* **2006**, *62* (8), 1845-1848.

## 2005

1. Bazgir, A.; **Shaabani, A.**; Sefdkon, F., Composition of the essential oil of *Diplotaenia cachrydifolia* Boiss. from Iran. *Journal of essential oil research* **2005**, *17* (5), 525-526.
2. Bazgir, A.; **Shaabani, A.**; Sefidkon, F., Composition of the essential oil of *Peucedanum cervariifolium* CA Mey. from Iran. *Journal of essential oil research* **2005**, *17* (4), 380-381.
3. KEYVANI, A.; EMAMI, M.; SAREMI, M.; SINA, H.; MAHTA, M.; MIR, M. L.; ALAVI, S.; GHADIRI, M.; SALHI, R.; POURBABAEI, A., List Of Journal Paper (s). *IRANIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING (IJCCE)* **2005**, *24* (3).
4. Safari, N.; Jamaat, P. R.; Shirvan, S. A.; Shoghpour, S.; Ebadi, A.; Darvishi, M.; **Shaabani, A.**, Rapid and efficient synthesis of metallophthalocyanines in ionic liquid. *Journal of Porphyrins and Phthalocyanines* **2005**, *9* (04), 256-261.
5. **Shaabani, A.**; Bazgir, A.; Arab Ameri, S.; Sharifi Kiasaraie, M.; Samadi, S., Comparison of catalytic effect of alkali and alkaline earth metals hydrogen sulfate: as the promoter for an efficient synthesis of 3, 4-dihydropyrimidin-2 (1H)-ones under solvent-free conditions. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2005**, *24* (3), 67-71.
6. **Shaabani, A.**; Lee, D. G., Solvent free oxidations using manganese dioxide, barium manganate and potassium permanganate. *ChemInform* **2005**, *36* (20), no-no.
7. **Shaabani, A.**; Naderi, S.; Rahmati, A.; Badri, Z.; Darvishi, M.; Lee, D. G., Cleavage of oximes, semicarbazones, and phenylhydrazones with supported potassium permanganate. *Synthesis* **2005**, *2005* (18), 3023-3025.
8. **Shaabani, A.**; Rahmati, A., Ionic liquid promoted efficient synthesis of 3, 4-dihydropyrimidin-2-(1 H)-ones. *Catalysis letters* **2005**, *100* (3), 177-179.
9. **Shaabani, A.**; Rahmati, A.; Naderi, S., A novel one-pot three-component reaction: Synthesis of triheterocyclic 4H-pyrimido [2, 1-b] benzazoles ring systems. *Bioorganic & medicinal chemistry letters* **2005**, *15* (24), 5553-5557.
10. **Shaabani, A.**; Rezayan, A. H., A very fast and easy procedure for the synthesis of metallophthalocyanines. *Journal of Porphyrins and Phthalocyanines* **2005**, *9* (09), 617-620.
11. **Shaabani, A.**; Samadi, S.; Badri, Z.; Rahmati, A., Ionic liquid promoted efficient and rapid one-pot synthesis of pyran annulated heterocyclic systems. *Catalysis Letters* **2005**, *104* (1), 39-43.
12. **Shaabani, A.**; Tavasoli-Rad, F.; Lee, D. G., Potassium permanganate oxidation of organic compounds. *Synthetic communications* **2005**, *35* (4), 571-580.
13. **Shaabani, A.**; Teimouri, M. B.; Samadi, S.; Soleimani, K., Microwave-assisted three-component condensation on montmorillonite K10: Solvent-free synthesis of furopyrimidines, furocoumarins, and fuopyranones. *Synthetic communications* **2005**, *35* (4), 535-541.
14. Teimouri, M.; **Shaabani, A.**; Sefidkon, F., Analysis/Composition-Composition of the Essential Oils of *Pycnocycla aucherana* Decne. ex Boiss. var. *aucherana* and *Pycnocycla*



musiformis Hedge et Lamond from Iran. *Journal of Essential Oil Research* **2005**, *17* (5), 473-474.

15. Teimouri, M. B.; **Shaabani, A.**; Sefidkon, F., Composition of the Essential Oils of *Pycnocycla aucherana* Decne. ex Boiss. var. *aucherana* and *Pycnocycla musiformis* Hedge et Lamond from Iran. *Journal of Essential Oil Research* **2005**, *17* (5), 473-474.

## 2004

1. Safari, N.; Jamaat, P. R.; Pirouzmand, M.; **Shaabani, A.**, Synthesis of metallophthalocyanines using microwave irradiation under solvent free and reflux conditions. *Journal of Porphyrins and Phthalocyanines* **2004**, *8* (10), 1209-1213.
2. Safari, N.; Jamaat, P. R.; Pirouzmand, M.; **Shaabani, A.**; Monfared, H. H.; Dini, S.; Samadi, A. A.; Amini, M. M., شناسنامه علمی. *J. Porphyrins Phthalocyanines* **2004**, *8*, 1209.
3. Sefidkon, F.; **Shaabani, A.**, Essential oil composition of *Nepeta meyeri* Benth. from Iran. *Flavour and fragrance journal* **2004**, *19* (3), 236-238.
4. **Shaabani, A.**; Bazgir, A., Microwave-assisted efficient synthesis of spiro-fused heterocycles under solvent-free conditions. *Tetrahedron Letters* **2004**, *45* (12), 2575-2577.
5. **Shaabani, A.**; Bazgir, A.; Arab-Ameri, S., Tetrabutylammonium hydrogen sulfate: An efficient catalyst for the synthesis of 3, 4-dihydropyrimidin-2 (1 H)-ones under solvent-free conditions. *Phosphorus, Sulfur, and Silicon* **2004**, *179* (11), 2169-2175.
6. **Shaabani, A.**; Bazgir, A.; Bijanzadeh, H. R., A reexamination of Biginelli-like multicomponent condensation reaction: One-pot regioselective synthesis of spiro heterobicyclic rings. *Molecular diversity* **2004**, *8* (2), 141-145.
7. **Shaabani, A.**; Bazgir, A.; Lee, D. G., Oxidation of organic compounds by potassium permanganate supported on montmorillonite K10. *Synthetic Communications* **2004**, *34* (19), 3595-3607.
8. **Shaabani, A.**; Bazgir, A.; Tavasoli-Rad, F.; Bijanzadeh, H. R.; Razmara, F., Reaction between nitrogen-containing heterocycles and dialkyl acetylenedicarboxylate with strong CH-acid: synthesis of stable highly functionalised 1, 4-diionic nitrogen betaines. *Journal of Chemical Research* **2004**, *2004* (2), 133-134.
9. **Shaabani, A.**; Mirzaei, P.; Lee, D., The beneficial effect of manganese dioxide on the oxidation of organic compounds by potassium permanganate. *Catalysis letters* **2004**, *97* (3-4), 119-123.
10. **Shaabani, A.**; Mirzaei, P.; Naderi, S.; Lee, D. G., Green oxidations. The use of potassium permanganate supported on manganese dioxide. *Tetrahedron* **2004**, *60* (50), 11415-11420.
11. **Shaabani, A.**; Soleimani, K.; Bazgir, A., Silica sulfuric acid catalysis the oxidation of organic compounds with sodium bromate. *Synthetic communications* **2004**, *34* (18), 3303-3315.
12. **Shaabani, A.**; Teimouri, M.; Bijanzadeh, H., An efficient one-pot synthesis of triamides and amidodiester. *Russian journal of organic chemistry* **2004**, *40* (7), 976-981.
13. **Shaabani, A.**; Teimouri, M. B.; Arab-Ameri, S., A novel pseudo four-component reaction: unexpected formation of densely functionalized pyrroles. *Tetrahedron letters* **2004**, *45* (45), 8409-8413.
14. **Shaabani, A.**; Teimouri, M. B.; Bijanzadeh, H. R., A novel three-component tetrahydrobenzofuran synthesis. *Monatshefte für Chemie/Chemical Monthly* **2004**, *135* (4), 441-446.

15. **Shaabani, A.**; Teimouri, M. B.; Bijanzadeh, H. R., One-pot three-component condensation reactions in water. An efficient and improved procedure for the synthesis of furan annulated heterocycles. *Monatshefte für Chemie/Chemical Monthly* **2004**, *135* (5), 589-593.

## 2003

1. **Shaabani, A.**; Bazgir, A.; Soleimani, K.; Salehi, P., Solvent effects in the oxidation of sulfides with NaBrO<sub>3</sub>/Mg (HSO<sub>4</sub>)<sub>2</sub>. *Synthetic communications* **2003**, *33* (17), 2935-2944.
2. **Shaabani, A.**; Bazgir, A.; Teimouri, F., Ammonium chloride-catalyzed one-pot synthesis of 3, 4-dihydropyrimidin-2-(1H)-ones under solvent-free conditions. *Tetrahedron Letters* **2003**, *44* (4), 857-859.
3. **Shaabani, A.**; Lee, D., Selective oxidation of sulfides under solvent-free conditions. *Sulfur Letters* **2003**, *26* (2), 43-46.
4. **Shaabani, A.**; Lee, D. G., Solvent free ion exchange catalysis in the oxidation of organic compounds with sodium bromate. *Synthetic communications* **2003**, *33* (8), 1255-1260.
5. **Shaabani, A.**; Lee, D. G., Cerium (III) bromate as a new reagent in oxidation of organic compounds. *Synthetic communications* **2003**, *33* (11), 1845-1854.
6. **Shaabani, A.**; Maleki, A., Green and Efficient Synthesis of Quinoxaline Derivatives via Ceric Ammonium Nitrate Promoted and in Situ Aerobic Oxidation of  $\alpha$ -Hydroxy Ketones and  $\alpha$ -Keto Oximes in Aqueous Media. *Synth. Commun* **2003**, *33*, 1845-1854.
7. **Shaabani, A.**; Safari, N.; Bazgir, A.; Bahadoran, F.; Sharifi, N.; Rajabali Jamaat, P., Synthesis of the tetrasulfo- and tetranitrophthalocyanine complexes under solvent-free and reflux conditions using microwave irradiation. *Synthetic communications* **2003**, *33* (10), 1717-1725.
8. **Shaabani, A.**; Teimouri, F.; Lee, D. G., Ion exchange catalysis in oxidation of organic compounds with KMnO<sub>4</sub>. *Synthetic communications* **2003**, *33* (6), 1057-1065.
9. **Shaabani, A.**; Teimouri, M. B., Microwave-assisted rapid synthesis of furan annulated heterocycles. *Journal of Chemical Research* **2003**, *2003* (11), 732-733.
10. **Shaabani, A.**; Teimouri, M. B.; Bazgir, A.; Bijanzadeh, H. R., Introducing a novel class of four-component reactions. *Molecular diversity* **2003**, *6* (3-4), 199-206.
11. **Shaabani, A.**; Teimouri, M. B.; Bijanzadeh, H. R., Novel dispiro iminodioxolane derivatives: synthesis by reaction of isocyanides with ninhydrin. *Journal of Chemical Research* **2003**, *2003* (9), 578-579.
12. **Shaabani, A.**; Teimouri, M. B.; Mirzaei, P.; Bijanzadeh, H. R., The reaction of isocyanides and dialkyl acetylenedicarboxylates with isatoic anhydride: one-pot synthesis of highly functionalised ketenimines. *Journal of Chemical Research* **2003**, *2003* (2), 82-84.

## 2002

1. **Shaabani, A.**; Bazgir, A.; Abdoli, M., Conversion of alkylbenzenes to carbonyl compounds by NaBrO<sub>3</sub> in the presence of NH<sub>4</sub>Cl and Bu<sub>4</sub>NHSO<sub>4</sub>. *Synthetic communications* **2002**, *32* (5), 675-678.
2. **Shaabani, A.**; Bazgir, A.; Soleimani, K.; Bijanzadeh, H. R., Reaction between alkyl isocyanides and 1, 1, 1, 5, 5, 5-hexafluoropentane-2, 4-dione in the presence of water: one-pot synthesis of highly fluorinated  $\gamma$ -dihydroxy- $\alpha$ -hydroxy amides and  $\gamma$ -keto- $\alpha$ -hydroxy amides. *Journal of fluorine chemistry* **2002**, *116* (1), 93-95.

3. **Shaabani, A.**; Bazgir, A.; Teimouri, F.; Lee, D. G., Selective oxidation of alkylarenes in dry media with potassium permanganate supported on montmorillonite K10. *Tetrahedron letters* **2002**, *43* (29), 5165-5167.
4. **Shaabani, A.**; Bazgir, A.; Teimouri, M. B.; Bijanzadeh, H. R., Introduction of a Novel Reaction of Triacetylmethane: One-Pot Synthesis of Dialkyl-2-(3, 1-hydroxyethylidene-2, 4-pentanedione-3-yl)-3-(triphenylphosphoranylidene)-butanedioate. *Phosphorus, Sulfur, and Silicon and the Related Elements* **2002**, *177* (4), 833-839.
5. **Shaabani, A.**; Karimi, A. R.; Alamshahi, A. R., Selective removal of silyl protecting groups from hydroxyl functions with ammonium chloride in aqueous acetonitrile. **2002**.
8. **Shaabani, A.**; Teimouri, M. B., The reaction of alkyl isocyanides and benzylidene Meldrum's acid derivatives in the presence of water: a one-pot synthesis of 4-(alkylamino)-3-aryl-4-oxobutanoic acids. *Journal of Chemical Research* **2002**, *2002* (9), 433-435.
6. **Shaabani, A.**; Teimouri, M. B.; Bijanzadeh, H. R., The reaction of alkyl isocyanides and dialkylacetylene dicarboxylates with phthalic anhydride derivatives: a novel synthesis of  $\gamma$ -spiroiminolactones. *Journal of Chemical Research* **2002**, *2002* (8), 381-383.
7. **Shaabani, A.**; Teimouri, M. B.; Bijanzadeh, H. R., One-pot three component condensation reaction in water: an efficient and improved procedure for the synthesis of furo [2, 3-d] pyrimidine-2, 4 (1H, 3H)-diones. *Tetrahedron letters* **2002**, *43* (50), 9151-9154.

## 2001

1. **Shaabani, A.**; Ajabi, S., NaBrO<sub>3</sub>-FeCl<sub>3</sub> as a new reagent for oxidation of benzylic and secondary alcohols to carbonyl compounds. **2001**.
2. **Shaabani, A.**; Bahadoran, F.; Safari, N., Synthesis of phthalocyanine derivatives of the Ru, Rh, Pt and Pd metals under solvent free conditions using microwave irradiation. **2001**.
3. **Shaabani, A.**; Karimi, A.-R., Oxidation deprotection of trimethylsilyl ethers to carbonyl compounds by NaBrO<sub>3</sub>-NH<sub>4</sub>Cl reagent in aqueous acetonitrile. *Synthetic Communications* **2001**, *31* (5), 759-765.
4. **Shaabani, A.**; Lee, D. G., Solvent free permanganate oxidations. *Tetrahedron Letters* **2001**, *42* (34), 5833-5836.
5. **Shaabani, A.**; Safaei, H. R.; Bijanzadeh, H. R., Reaction of 2-aminobenzimidazol: A simple one-pot synthesis of stable heterocyclic phosphorus ylides. *Synthetic Communications* **2001**, *31* (17), 2639-2644.
6. **Shaabani, A.**; Safaei, H. R.; Hemyari, K.; Moghimi, A., One-pot Synthesis and Dynamic Studies of Stable Dialkyl-2-(1 H-Isoindol-1, 3 (2 H)-dione-2-yl)-3-(Triphenylphosphoranylidene) Butanedioate ylides. *Journal of Chemical Research* **2001**, *2001* (5), 192-194.
7. **Shaabani, A.**; Yavari, I.; Teimouri, M. B.; Bazgir, A.; Bijanzadeh, H. R., New and efficient synthesis of dialkyl 2-[1-p-nitrophenyl-2-(alkylamino)-2-oxoethyl] malonates. *Tetrahedron* **2001**, *57* (7), 1375-1378.
8. Zahedi, M.; **Shaabani, A.**; Reza, M.; Zadeh, S., Semiempirical molecular orbital calculations of configurational properties of dihalogenated sulfur diimides. **2001**.

## 2000

1. **Shaabani, A.**; Sadeghi Nejad, F.; Yavari, I., Rates of Acid-Catalyzed NH Proton Exchange of Enaminones, an <sup>1</sup>H NMR Study. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **2000**, *19* (1), 29-31.
2. **Shaabani, A.**; Teimouri, M. B.; Safaei, H. R., A simple and efficient procedure for oxidation of sulfides to sulfoxides by hexamethylenetetramine-bromine complex (HMTAB). *Synthetic Communications* **2000**, *30* (2), 265-271.
3. **Shaabani, A.**; Teimouri, M. B.; Yavari, I.; Arasi, H. N.; Bijanzadeh, H. R., 1, 4-Diionic organophosphorus compounds: Stereoselective synthesis of dialkyl 2-(1, 1, 1, 5, 5, 5-hexafluoro-2, 4-dioxo-pentane-3-yl-3-ylidene)-3-triphenylphosphoniobutane-1, 4-dioates. *Journal of Fluorine Chemistry* **2000**, *103* (2), 155-157.
4. **Shaabani, A.**; Zahedi, M., Semiempirical molecular orbital calculation of azobenzene: stability study of isomers and mechanism of E/Z isomerization. *Journal of Molecular Structure: THEOCHEM* **2000**, *506* (1-3), 257-261.

## 1998

1. **Shaabani, A.**, Synthesis of metallophthalocyanines under solvent-free conditions using microwave irradiation. *Journal of Chemical Research, Synopses* **1998**, (10), 672-673.
2. **Shaabani, A.**; Ameri, M., Oxidation of benzylic and secondary alcohols to carbonyl compounds by NaBrO<sub>3</sub>-NH<sub>4</sub>Cl reagent in aqueous acetonitrile. *Journal of Chemical Research, Synopses* **1998**, (2), 100-101.
3. Zahedi, M.; **Shaabani, A.**; Safari, N., Semiempirical molecular orbital calculations of biliverdin: stability study of various isomers and conformation analysis. *Journal of Molecular Structure: THEOCHEM* **1998**, *452* (1-3), 125-131.

## 1997

1. **Shaabani, A.**; Farrokhzad, F., [1+ 4] Cycloaddition of Isocyanides with 3-(1-Hydroxyethylidene) pentane-2, 4-dione. A Convenient Synthesis of Iminolactones. *Journal of Chemical Research, Synopses* **1997**, (9), 344-344.
2. Yavari, I.; Baharfar, R.; **Shaabani, A.**, Dynamics of Cyclic Allenes. Conformational Energy Surface of Cyclodeca-1, 2, 4, 5-tetraene. *Journal of Chemical Research, Synopses* **1997**, (5), 162-163.
3. Yavari, I.; **Shaabani, A.**; Maghsoodlou, M., On the reaction between alkyl isocyanides and 3-benzylidene-2, 4-pentanedione. A convenient synthetic route to densely functionalized furans. *Monatshefte für Chemie/Chemical Monthly* **1997**, *128* (6-7), 697-700.

## 1996

1. Yavari, I.; **Shaabani, A.**; Soliemani, H.; Nourmohammadian, F.; Bijanzadeh, H. R., Effect of Internal Hydrogen Bonding on Base-Catalyzed NH Proton-Exchange Reactions of Isomeric Enamines. *Magnetic resonance in chemistry* **1996**, *34* (12), 1003-1006.

## 1994

1. **Shaabani, A.**; Yavari, I.; Nori-Shargh, D., Configurational properties of sulfur diimide, methyl sulfur diimide and dimethyl sulfur diimide. *Journal of Molecular Structure: THEOCHEM* **1994**, 310, 279-286.
2. YAVARI, I.; AGHAJANI, F.; **Shaabani, A.**, Conformational energy surface of cyclonona-1, 2, 5, 6-tetraene. *Journal of chemical research. Synopses* **1994**, (3), 110-111.
3. Yavari, I.; Asghari, S.; **Shaabani, A.**, Dynamics of cyclic allenes. Iterative molecular mechanics calculations of 1, 2, 5, 6-cyclodecatetraene. *Journal of Molecular Structure: THEOCHEM* **1994**, 309 (1), 53-57.
4. Yavari, I.; Mousavi, M. F.; **Shaabani, A.**; NORI-SHARGH, D., Conformations of (Z, Z)-Cyclohepta-1, 3-diene and (Z, Z)-Cyclohepta-1, 4-diene. *ChemInform* **1994**, 25 (46), no-no.
5. Yavari, I.; **Shaabani, A.**, Oxidation of Primary and Secondary Alcohols to Carbonyl Compounds Using Hexamethylenetetramine-Bromine. *ChemInform* **1994**, 25 (46), no-no.

## 1990

1. Ghalamkar Moazzam, M.; **Shaabani, A.**, Addition of Ethyl Alcohol to Triethyl Propargyl Ammonium Bromide. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **1990**, 9 (1), 53-56.
2. Moazzam, G.; **Shaabani, A.**, Synthesis of Triethyl Propargyl Ammonium Bromide from Triethyl Amine With Propargyl Bromide. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)* **1990**, 9 (1), 57-58.

### 3-Conferences

- [1]A. **Shaabani**, I. Yavari, "CONFIGURATIONAL PROPERTIES OF SULFURDIIMIDE, METHYL SULFURDIIMIDE, AND DIMETHYL SULFURDIIMIDE" *The Third World Congress of Theoretical Organic Chemists*, **1993**, Toyohashi, Japan.
- [2]A. **Shaabani**, I. Yavari "OXIDATION OF PRIMARY AND SECONDARY ALCOHOLS TO CARBONYL COMPOUNDS BY HMTA- Br<sub>2</sub> COMPLEX" *Firs International Congress of Chemistry and Chemical Engineering*, **1993**, Shahid Beheshty Univ., Tehran, Iran.
- [3]ALCULATION OFHALOMETHYL METHYL ETHERS AND BIS- HALOMETHYL METHYL ETHERS; (b) APPLICATION OF MNDO- MO CALCULATIONS TO THE STRUCTURAL MOIETIES OF CARBOHYDRATES", *Sixth Iranian Chemistry and Chemical Engineering Congress*, **1991**, Tehran Univ., Tehran, Iran.

- [4] **A. Shaabani**, I. Yavari, "REACTION BETWEEN ALKYL ISOCYANIDES AND 1,1,1,5,5,5-HEXAFLUOROPENTANE-2,4-DIONE", *9th Iranian Chemistry and Chemical Engineering Congress, Assr Enghelab Research Center, 1994*, Tehran, Iran.
- [5] **A. Shaabani**, I. Yavari, "ONE-STEP SYNTHESIS OF STRICALLY CROWDED FURAN RING SYSTEMS" *9th Iranian Chemistry and Chemical Engineering Congress, Assr Enghelab Research Center, 1994*, Tehran, Iran.
- [6] **A. Shaabani**, I. Yavari , H. Soliemani, "EFFECT ON INTERNAL HYDROGEN BONDING ON BASE-CATALYZED N-H PROTON-EXCHANGE REACTIONS OF ISOMERIC ENAMINES" *9th Iranian Chemistry and Chemical Engineering Congress, Assr Enghelab Research Center, 1994* ,Tehran, Iran.
- [7] **A. Shaabani**, I. Yavari, "CONFORMATIONAL STUDIES OF BIS-ENAMINO- KETON OF PIPERAZINE BY DYNAMIC NMR SPECTROSCOPY" *4th Iranian Seminar Of Organic Chemistry* , **1995**, Mashhad University.
- [8] **A. Shaabani**, F. Farrokhzad, "THE [1+4] CYCLOADDITION REACTION OF ISOCYANIDES WITH TRIACETYLMETHANE AND ACETYLBENZOQUINONE" *5th Iranian Seminar Of Organic Chemistry, 1996*, Isfahan University of Technology.
- [9] **A. Shaabani**, M. Ameri, "SYNTHESIS AND KINETIC STUDY OF STYRENEPSEDONITROSITE TRANSFORMATION" *6th Iranian Seminar Of Organic Chemistry, 1997*, Tabriz University.
- [10] **A. Shaabani**, I. Yavari and F. Sadeghi Nejat "APPLICATION OF PROTON NMR SPECTROSCOPY TO STUDY THE RATES OF NH PROTON EXCHANGE REACTIONS OF ENAMINONES" *The second International and 12th National Congress of Chemistry and Chemical Engineering of Iranian,., 1997*, Shahid Bahonar Univ. of Kerman.

- [11] **A. Shaabani**, F. Bahadoran, N. Safari “SYNTHESIS OF METALLOPHthalOCYANINES UNDER SOLVENT -FREE CONDITIONS USING MICROWAVE IRRADIATION” 33<sup>rd</sup> International Conference on Coordination Chemistry, **1998**, Italy.
- [12] **A. Shaabani**, M. Zahedi “SEMIEMPIRICAL MOLECULAR ORBITAL CALCULATION OF AZOBENZENE: STABILITY STUDY OF ISOMERS AND MECHANISM OF E/Z ISOMERIZATION” *The 5th World Congress of Theoretically Oriented Chemists*, **1-6 Aug.1999**, Imperial College, London.
- [13] M. Zahedi, **A. Shaabani**, N. Safari, “SEMIEMPIRICAL MOLECULAR ORBITAL CALCULATION OF BILIVERDINE: STABILITY STUDY OF VARIOUS ISOMERS AND CONFORMATIONAL ANALYSIS” *The 5th World Congress of Theoretically Oriented Chemists*, **1-6 Aug.1999**, Imperial College, London.
- [14] **Ahmad Shaabani**, Mohammad Bagher Teimouri, Hamid Reza Safai, Ayoob Bazgir “OXIDATION OF SULFIDES TO SULFOXIDES WITH NaBrO<sub>3</sub>/NH<sub>4</sub>Cl and HMTA/Br<sub>2</sub>” *The 13th Iranian Chemistry and Chemical Engineering Congress*, **1999**, Tarbiat Modarres Univ.
- [15] **Ahmad Shaabani**, M. Ameri “ FROM DUAL PROPERTIES OF CERIUM (IV)AMMONIUM NITRATE(CAN) TO DUAL PROPERTIES OF AMMONIUM CHLORIDE” *The 13th Iranian Chemistry and Chemical Engineering Congress*, **1999**, Tarbiat Modarres Univ.
- [16] **Ahmad Shaabani**, S. Ajami “OXIDATION OF ALCOHOLS BY NaBrO<sub>3</sub>/FeCl<sub>3</sub>” ” *The 13th Iranian Chemistry and Chemical Engineering Congress*, **1999**, Tarbiat Modarres Univ.
- [17] **Ahmad Shaabani**, F. Bahadoran, N. Safari “SYNTHESIS OF PHTHALOCYANINES USING MICROWAVE IRRADIATION” *The 13th Iranian Chemistry and Chemical Engineering Congress*, **1999**, Tarbiat Modarres Univ.

- [18] **Ahmad Shaabani**, P. Salehi, M. Abdoli "CONVERSION OF ALDEHYDES TO CORRESPONDING ALCOHOLS WITH NaBrO<sub>3</sub>/Bu<sub>4</sub>NHSO<sub>4</sub>" 9th Iranian Seminar Of Organic Chemistry, **2001**, Imam Hussein University.
- [19] **Ahmad Shaabani**, Mohammad Bagher Teimouri, Hamid Reza Bijanzadeh, "The reaction of alkyl isocyanides and dialkylacetylene dicarboxylates with phthalic anhydride derivatives: a novel synthesis of  $\alpha$ -spiroiminolactones" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [20] **Ahmad Shaabani**, Ayoob Bazgir, Kamal Soleimani, Peyman Salehi, "Solvent Effects in the Oxidation of Sulfides with NaBrO<sub>3</sub>/Mg(HSO<sub>4</sub>)<sub>2</sub>" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [21] **Ahmad Shaabani**, Ayoob Bazgir, Fatemeh teimori, Donald G. Lee, "Selective Oxidation of Alkylarenes in Dry Media with Potassium Permanganate Supported on Montmorillonite K10" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [22] **Ahmad Shaabani**, Ayoob Bazgir, Kamal Soleimani, "Reaction between alkyl isocyanides and 1,1,1,5,5,5-hexafluoropentane-2,4-dione in the presence of water: one-pot synthesis of highly fluorinated  $\alpha$ -dihydroxy- $\beta$ -hydroxy amides and  $\alpha$ -keto- $\beta$ -hydroxy amides" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [23] **Ahmad Shaabani**, Fatemeh teimori, Donald G. Lee, "Ion Exchange Catalysis in Oxidation of Organic Compounds with KMnO<sub>4</sub>" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [24] **Ahmad Shaabani**, Mohammad Bagher Teimouri "Multi-Component reactions with Isocyanides" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [25] **Ahmad Shaabani**, Hamid Reza Safaei and Hamid Reza Bijanzadeh "REACTION OF 2-



- AMINO BENZIDAZOL: A SIMPLE ONE-POT SYNTHESIS OF STABLE HETEROCYCLIC PHOSPHOR YLIDES" *The 10th Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [26] **Ahmad Shaabani**, Hmid Reza Safaei, Kiana Hamyari, Abolghasem Mogimi "ONE-POT SYNTHESIS AND DYNAMIC STUDIES OF STABLE DIALKYL-2- (1H-ISOINDOL-1,3-(2H)-DIONE-2-YL-3- (TRIPHENYLPHOSPHORANYLIDIENE) BUTANEDIOATE YLIDES" *The 10<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2002**, Guilan University, Iran.
- [27] **Ahmad Shaabani**, A. Bazgir, N. Safari "METALLOPHTHALOCYANINES" *1<sup>st</sup>. Colorant Manufacturing & Environmental Protection Seminar*, **2002**, Iran Color Research Institute.
- [28] **Ahmad Shaabani**, Mohammad Bagher Teimouri "ONE-POT THREE COMPONENT REACTIONS OF ISOCYANIDES IN WATER" *Second International Conference on Multi-Component Reactions, Combinatorial and Related Chemistry*, **2003**, Genova, Italy.
- [29] **Ahmad Shaabani**, Mohammad Bagher Teimouri, Ayoub Bazgir "ONE-POT FOUR-COMPONENT CONDENSATION REACTIONS OF ISOCYANIDES: A SIMPLE AND EFFICIENT ROUTE TO TRIAMIDE AND AMIDODIESTER COMPOUNDS" *Second International Conference on Multi-Component Reactions, Combinatorial and Related Chemistry*, **2003**, Genova, Italy.
- [30] **Ahmad Shaabani**, Ayoub Bazgir "ONE-POT SYNTHESIS OF SPIRO HETEROCYCLIC RINGSTHREE" *Second International Conference on Multi-Component Reactions, Combinatorial and Related Chemistry*, **2003**, Genova, Italy.
- [31] **Ahmad Shaabani** "Isocyanide-Based Multi-Component Reactions" *14<sup>th</sup> Iranian Chemistry and Chemical Engineering Congress*, **2004**, Tarbiat Moallem Univ., Tehran, Iran.
- [32] **Ahmad Shaabani**, Mohammad Bagher Teimouri, Sima Samadi, Kamal Soleimani

Microwave-Assisted Three-Component Condensation on Montmorillonite K10: Solvent-Free Synthesis of Furopyrimidines, Furocoumarins and Fuopyranones" *14<sup>th</sup> Iranian Chemistry and Chemical Engineering Congress*, **2004**, Tarbiat Moallem Univ., Tehran, Iran.

[33] **Ahmad Shaabani** "Isocyanide-based unexpected multi-component reactions" *11<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2005**, Isfahan University of Technology.

[34] **Ahmad Shaabani** "Permanganate: A green and versatile oxidant " *11<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2005**, Isfahan University of Technology.

[35] **Ahmad Shaabani** "Ionic liquid (ILs) promoted efficient synthesis of organic chemistry" *12<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.

[36] **Ahmad Shaabani** " An isocyanide-based three-component reaction: synthesis of fully substituted *N* -alkyl-2-triphenylphosphoranylidene glutarimides " *12<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.

[37] **Ahmad Shaabani**, Soleimani, Ebrahim " A Novel Three Component Reaction: Synthesis of Stable 1,4-Diionic Nitrogen Betaines " *12<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.

[38] **Ahmad Shaabani**, Rahmati Abbas, Farhangi Elham " Selective and efficient oxidation of sulfides and thiols by 1,1,3,3-N,N,N',N'-tetramethylguanidine/Br<sub>2</sub> complex " *12<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.

[39] **Ahmad Shaabani**, Rahmati Abbas, Moghimi-Rad Jafar " KAl(SO<sub>4</sub>)<sub>2</sub>.12H<sub>2</sub>O and CuSO<sub>4</sub> supported on alumina are efficient catalysts for One-pot synthesis of trisubstituted imidazoles " *12<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.

- [40] **Ahmad Shaabani**, Soleimani Ebrahim, Badri Zahra " Trifluoro Acetic Acid Catalyzed Efficient Synthesis of Quinolines " *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [41] **Ahmad Shaabani**, Rezayan Ali Hossein "A very fast and easy procedure for the synthesis of metallophthalocyanines" *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [42] **Ahmad Shaabani**, Rezayan Ali Hossein "A very fast and easy procedure for the synthesis of metallophthalocyanines" *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [43] **Ahmad Shaabani**, Maleki Ali "Microwave assisted synthesis of metal-free phthalocyanine and Metallophthalocyanines " *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [44] **Ahmad Shaabani**, Rahmati Abbas "Ionic liquid catalyzed aerobic oxidation of alkylarenes and benzylic compounds " *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [45] **Ahmad Shaabani**, Rahmati Abbas, Darvishi Maria" A novel one-pot three-component reaction in water: Synthesis of triheterocyclic 4Hpyrimido[2,1-b]benzazoles ring systems" *12<sup>h</sup> Iranian Seminar of Organic Chemistry*, **2006**, Ahvaz Jundi Shapour University of Medical Sciences.
- [46] **Ahmad Shaabani** " Development a Novel Approach to the Analysis of Pericyclic Reactions" *13<sup>th</sup> Iranian Seminar of Organic Chemistr*, **2006**, Bu-Ali Sina University.
- [47] **Ahmad Shaabani**, Ali Maleki "Bromodimethylsulfonium bromide catalyzed efficient three-component one-pot synthesis of 3,4-dihydropyrimidin-2-(1*H*)-one derivatives " *13<sup>th</sup> Iranian*

*Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*

- [48] **Ahmad Shaabani**, Ali Maleki " Ionic liquid promoted one-pot three-component reaction: Synthesis of 3-aminoimidazo[1,2-*a*]pyridines, pyrazines and pyrimidines using trimethylsilylcyanoide" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [49] **Ahmad Shaabani**, Afshin Sarvary, Abbas Rahmati, Ali Hossein Rezayan " Ionic liquids in conjunction with silica sulfuric acid: rapid synthesis of 4-aryl-7,7-dimethyl/1,7,7-trimethyl-1,2,3,4,5,6,7,8-octahydroquinazoline-2,5-dione derivatives" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [50] **Ahmad Shaabani**, Elham Farhangi, Abbas Rahmati " Synthesis a family of tetraheterocyclic benzimidazo[1,2- *a*]quinazolin-4(1*H*)-one ring systems undersolvent-free conditions" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [51] **Ahmad Shaabani**, Ebrahim Soleimani " A novel pseudo four-component condensation reaction: A one-pot synthesis of bisalkylidenephosphorenes" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [52] **Ahmad Shaabani**, Zahra Badri, Abbas Rahmati " Stereoselective synthesis a family of heterocyclic 4,5,6,7-tetrahydro [1,2,4] triazolo [1,5-*a*]pyrimidine ring systems in water" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [53] **Ahmad Shaabani**, Maria Darvishi, Abbass Rahmati " Ionic liquid promoted one-pot synthesis of triheterocyclic 4*H*-pyrimido [2,1-*b*] benzazoles" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [54] **Ahmad Shaabani**, Abbass Rahmati, Elham Farhangi, Ali Hossein Rezayan, " Ionic liquid promoted the synthesis of poly heterocyclic ring systems with different aminoazoles" *13<sup>th</sup> Iranian Seminar of Organic Chemistr, 2006, Bu-Ali Sina University.*
- [55] **Ahmad Shaabani**, Ali Hossein Rezayan, Abbass Rahmati, Elham Farhangi, "

- Astereoselective three-component reaction: a facile synthesis of a novel class of fluorinated (7,8*H*)benzothiazolo[3,2-*a*]pyrimidines and 1,2,4-triazolo[4,3-*a*]pyrimidines" *13<sup>th</sup> Iranian Seminar of Organic Chemistr*, **2006**, Bu-Ali Sina University.
- [56] **Ahmad Shaabani** "An isocyanide-based three-component reaction: synthesis of fully substituted *N*-alkyl-2-triphenylphosphoranylidene glutarimides" *3<sup>rd</sup> International Conference Multi-Component Reaction and Related Chemistry*, **2006**, Amesterdam, Netherlands.
- [57] **Ahmad Shaabani** "A novel isocyanide-based three-component reaction: synthesis of highly substituted..." *8<sup>th</sup> Tetrahedron Symposium*, **2007**, Berlin, Germany.
- [58] **Ahmad Shaabani**, Ali Maleki, Jafar Moghimi-Rad "A novel isocyanide-based three-component reaction: synthesis of highly substituted 1,6-dihydropyrazine-2,3-dicarbonitriles" *8<sup>th</sup> Tetrahedron Symposium*, **2007**, Berlin, Germany.
- [59] **Ahmad Shaabani**, Ali Maleki, Hamid Mofakham "Design and Development of Novel Isocyanide-Based MCRs: Synthesis of Highly Substituted Imidazo[1,5-*a*]pyrazine Derivatives" *15<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Kermanshah, Iran.
- [60] **Ahmad Shaabani**, Ali Maleki, Hamid Mofakham "Novel Isocyanide-Based Three-Component One-Pot Synthesis of Cyanophenylamino-acetamide Derivatives" *15<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Kermanshah, Iran.
- [61] **Ahmad Shaabani**, Ali Maleki, Hamid Mofakham, Fatemeh Hajishaabanha "Novel Isocyanide-Based Three-Component One-Pot Synthesis of Benzoxazines and Benzothiazines Derivatives" *15<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Kermanshah, Iran.
- [62] **Ahmad Shaabani**, Ali Maleki, Fahimeh Rezazadeh "Water-promoted One-pot Synthesis of Pyrido[2',1':2,3]imidazo[4,5-*c*]isoquinolin-5(6*H*)-ones" *15<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Kermanshah, Iran.
- [63] **Ahmad Shaabani**, Ali Hossein Rezayan, Afshin Sarvary, Marjan Heidary, Seik Weng Ng,

Synthesis of highly stable unusual charge separated pyridinium-, isoquinolinium-, quinolinium-, and *N*-methylimidazolium-tetronic acid zwitterions, *4th International Conference on Multi-Component Reactions and Related Chemistry (MCR 2009)*, **2009** Ekaterinberg, Russia.

- [64] **Ahmad Shaabani**, Rahim Ghadari, Afshin Sarvary, Ali Hossein Rezayan “A simple and one-pot method for the synthesis of highly functionalized bis(4H-chromene-) and 4H-benzo[*g*]chromene derivatives *via* an isocyanide based multicomponent reaction” **2009**, *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.
- [65] **Ahmad Shaabani**, Mostafa Mohammadpour Amini, Sabrie Ghasemi, Ali Hossein Rezayan, Yousef Fazaeli “Pyridine-functionalized MCM-41 as efficient and recoverable catalysts to synthesis of pyran annulated heterocyclic systems” *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.
- [66] **Ahmad Shaabani**, Sajjad Keshipour, Ali Hossein Rezayan, Afshin Sarvary “Knoevenagel self-condensation reaction of tetronic acid in the presence of *tert*-amine: synthesis of organic nitrogen heterocyclic salts” *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.
- [67] **Ahmad Shaabani**, Ali Hossein Rezayan, Afshin Sarvary, Ebrahim Soleimani “Recent challenge about two-component reaction of isonitriles with carboxylic acids” *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.
- [68] **Ahmad Shaabani**, Afshin Sarvary, Sajjad Keshipour, Ali Hossein Rezayan “A novel one-pot three-(in situ five-)-component condensation reaction: An unexpected method to synthesis of tetrahydro-2,4-dioxo-1H-benzo[*b*][1,4]diazepine-3-yl)-2-methylpropanamide derivatives” *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.
- [69] **Ahmad Shaabani** “Recent progress of isocyanide-based multicomponent reactions in Iran” *16<sup>th</sup> Iranian Seminar of Organic Chemistry*, **2008**, Zanzan, Iran.

- [70] **Ahmad Shaabani**, Milad Pedarpour, Rahim Ghadari " Synthesis of functionalized benzo[g]chromene derivatives" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [71] **Ahmad Shaabani**, Fatemeh Hajishaabanha, Mozhdeh Seyyedhamzeh " "On water" organic synthesis: A clean and highly efficient synthesis of tetrahydrobenzodiazepines and dihydropyrazines *via* isocyanide-based multicomponent reactions of diamines" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [72] Afshin Sarvary, **Ahmad Shaabani**, Sajjad Keshipour " Synthesis of pyrano[3,2-d]isoxazole derivatives *via* multicomponent reactions" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [73] **Ahmad Shaabani**, Mozhdeh Seyyedhamzeh " Diketene-based multicomponent reactions" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [74] Rahim Ghadari, **Ahmad Shaabani**, Milad Pedarpour" Synthesis of functionalized pyrimidine-benzo[g]chromene derivatives" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [75] **Ahmad Shaabani**, Sajjad Keshipour, Afshin Sarvary, Milad Pedarpour " An unexpected oxamichael additon of ethoxy group to 1-benzylidenenaphthalen-2(1*H*)-one derivatives in the presence of 2,5-dihydroxycyclohexa-2,5-diene-1,4-dione" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010
- [76] **Ahmad Shaabani**, Bagher Laali Sarab and Hamid Mofakham " An efficient synthesis of 2*H*-benzo[*b*]xanthene-triones and dodecahydrochromeno[2,3-*b*]xanthene-1,6,8,13-tetraone derivatives catalyzed by L-proline in aqueous media" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.

- [77] **Ahmad Shaabani**, Hamid Mofakham "Isocyanide-based three-component synthesis of highly substituted 3,4-dihydro-benzo[g]quinoxalin-2-amine derivatives" *17<sup>th</sup> Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [78] **Ahmad Shaabani**, Mojtaba Mahyari, Mozhdeh Seyyedhamzeh "A novel and one-pot synthesis of tetrahydronaphthodiazepine derivatives" *17th Iranian Seminar of Organic Chemistr*, 13-15 October 2010 Mazandaran University, 2010.
- [79] **Ahmad Shaabani**, Fatemeh Hajishaabanha "Environmentally Benign of Highly Substituted 1,6-Dihydro-6,6- dimethylpyrazine-2,3-dicarbonitrile Derivatives Synthesis in Water" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.
- [80] **Ahmad Shaabani**, Morteza Aghaei, Sajjad keshipour "Development of Phosphorus Ylides Library via Multicomponent Reactions and Determining the Stability of Isomers by <sup>1</sup>H NMR Study and DFT Calculations" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.
- [81] **Shabnam Shaabani**, Afshin Sarvari, Ahmad Shaabani "A remarkable two-step synthesis of 1,5-disubstituted tetrazoles containing siloxy or sulfonamide group" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.
- [82] **Ahmad Shaabani**, Sajjad Keshipour "Zinc chloride promoted the synthesis of N-alkyl-2-(dimethylamino)-2-(2-hydroxy-aryl)-2-methoxyacetamide derivatives" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.
- [83] Sajjad Mousavifaraz, Afshin Sarvari, Rahim Ghadari, **Ahmad Shaabani** "A facile stereoselective synthesis of 1,2-dihydroquinolin-2-ylphosphonates *via* three component reaction" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.
- [84] Abolghasem Moghimi, Rahim Hosseinzadeh Khanmiri, **Ahmad Shaabani**, Hamedani "Synthesis of new vicinal-dioximes bearing two urea functionality" *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011*.



- [85] Abolghasem Moghimi, Rahim Hosseinzadeh Khanmiri, **Ahmad Shaabani**, Hamedani “Synthesis of nitrene derivatives based on diaminoglyoxim and aldehydes or ketones” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [86] **Ahmad Shaabani**, Hamid Mofakham “New strategy of Ugi reaction for syntheses of 1*H*-1,2,3-triazole derivatives with an active aldehyde side *via* a click reaction” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [87] Rahim Ghadari, Afshin Sarvari, **Ahmad Shaabani** “Solvatochromic behavior of the pyrano[3,2-*f*]quinoxaline derivatives” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [88] Afshin Sarvari, Shabnam Shaabani, Peyman Mirzaei, Rahim Ghadari, **Ahmad Shaabani** “Study of solvent and field strength effect on the <sup>1</sup>H chemical shift of non-equivalent isochronous protons” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [89] Rahim Ghadari, Afshin Sarvari, **Ahmad Shaabani** “*In-silico* investigation of substituent effect in Eschenmoser–Claisen rearrangement” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [90] **Ahmad Shaabani**, Mojtaba Mahyari, Sajjad Keshipour “A new efficient approach to the synthesis of 3*H*-benzo[*e*][1,4]diazepin derivatives via isocyanide based multicomponent reaction” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [91] Mozhddeh Seyyedhamzeh, **Ahmad Shaabani** “Synthesis of new tetrazole derivatives with using of azides via isocyanide-based multicomponent reactions” *15th Iranian Chemistry Congress, Bu-Ali Sina, Hamedan, Iran, 4-6 September, 2011.*
- [92] **Ahmad Shaabani**, Fatemeh Hajishaabanha, Mojtaba Mahyari, Hamid Mofakham, Shabnam Shaabani “A novel pseudo-four-component one-pot isocyanide-based reaction of diamines: Synthesis of new tetrahydrodiisoindoloquinoxaline and tetrahydrobenzodiisoindoloquinoxaline derivatives” *12th Tetrahedron Symposium 2011, Spanish.*

- [93] Hamid Mofakham, Zeinab Hezarkhani, **Ahmad Shaabani** "A new entry of copper-catalyzed five-component reaction: Synthesis of phenylacetamides and 1,4-diazepan" *19<sup>th</sup> Iranian Seminar on Organic Chemistry, Vali-e-Asr University, Rafsanjan, Iran, 5-7 September, 2012.*
- [94] **Ahmad Shaabani**, Shabnam Shaabani "A novel one-pot pseudo five-component isocyanide-based reaction: synthesis of 2,6-bis(alkylamino)-benzofuro[5,6-*b*]furan-4,8-dione derivatives" *19<sup>th</sup> Iranian Seminar on Organic Chemistry, Vali-e-Asr University, Rafsanjan, Iran, 5-7 September, 2012.*
- [95] Fatemeh Hajishaabanha, **Ahmad Shaabani** "An unexpected route toward the synthesis of spiro-benzo[*b*]acridine-furan derivative" *19<sup>th</sup> Iranian Seminar on Organic Chemistry, Vali-e-Asr University, Rafsanjan, Iran, 5-7 September, 2012.*
- [96] mojtaba mahyari, **Ahmad Shaabani** "Sulfated graphene and graphene oxide mediated efficient synthesis of benzodiazepine and quinoxaline derivatives" *19<sup>th</sup> Iranian Seminar on Organic Chemistry, Vali-e-Asr University, Rafsanjan, Iran, 5-7 September, 2012.*
- [97] salman shojaei, Sajjad Keshipour, **Ahmad Shaabani** "A novel one-pot isocyanide-based three-component reaction: synthesis of highly functionalized chromeno[2,3-*b*]pyrrol-4(1H)-one and chromeno [2,3-*b*]pyrrol-4(1H)-one" *19<sup>th</sup> Iranian Seminar on Organic Chemistry, Vali-e-Asr University, Rafsanjan, Iran, 5-7 September, 2012.*
- [98] **Ahmad Shaabani**, Zeinab Hezarkhani, Hamid Mofakham "Synthesis of Highly Regioselective Bifunctional Tricyclic Tetrazole-1*H*-benzo[*b*][1,4]diazepins " *20<sup>th</sup> Iranian Seminar on Organic Chemistry, Bu-Ali Sina University, Hamedan, Iran, 3-5 July, 2013.*
- [99] **Ahmad Shaabani**, Shabnam Shaabani, Mojtaba Mahyari "A Passerini-type condensation: a carboxylic acid-free approach for the synthesis of the  $\alpha$ -acyloxycarboxamides " *20<sup>th</sup> Iranian Seminar on Organic Chemistry, Bu-Ali Sina University, Hamedan, Iran, 3-5 July, 2013.*
- [100] Fatemeh Hajishaabanha, Mojtaba Mahyari, **Ahmad Shaabani** "The synthesis of

xanthenes on graphene oxide and sulfated graphene nanosheets in water” *20<sup>th</sup> Iranian Seminar on Organic Chemistry, Bu-Ali Sina University, Hamedan, Iran, 3-5 July, 2013.*

[101] Sajjad Keshipour, **Ahmad Shaabani** “Palladium nanoparticles supported on ethylenediamine-functionalized cellulose as a novel and efficient catalyst for the Heck and Sonogashira couplings in water” *16<sup>th</sup> Iranian Chemistry Congress (ICC 2013), Yazd University, Yazd, Iran, 1-3 September, 2013.*

[102] **Ahmad Shaabani**, Zeinab Hezarkhani, Sajjad Keshipour “Magnetic DNA-Template Palladium Nanowires Catalyzed Aerobic Oxidation of Organic Compounds” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[103] **Ahmad Shaabani**, Zeinab Hezarkhani, Hamid Mofakham “A New Entry of Copper-Catalyzed Five-Component Reactions: Synthesis of Carbonimidic-N-acetimidic Selenoanhydrides and Selenonanesulfonamides” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[104] **Ahmad Shaabani**, Mahmoud Borjian Borujeni “Synthesis of Magnetic and Biodegradable Heterogeneous Catalyst for Selective Aerobic Oxidation of Alcohols and Alkyl Arenes” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[105] Shabnam Shaabani, **Ahmad Shaabani** and Seik Weng Ng “One-Pot Six-Component Synthesis of 1,2,3-Triazole-Coumarin Derivatives via Sequential Knoevenogel/Ugi-MCR/Click Reaction” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[106] **Ahmad Shaabani**, Hamed Nosrati and Shabnam Shaabani “Cellulose@Fe<sub>2</sub>O<sub>3</sub>-SO<sub>3</sub>Hnanocomposites as a bio-supported and magnetically recyclable solid acid nanocatalyst for the synthesis of aminoimidazopyridines” *The 22nd Iranian Seminar of*

*Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[107] Mojtaba Mahyari, **Ahmad Shaabani** “Aerobic oxidation of arenes and alcohols catalyzed by copper(II) phthalocyanine supported on three-dimensional nitrogen-doped graphene” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[108] Mojtaba Mahyari, **Ahmad Shaabani** “Bifunctional catalyst for the selective aerobic oxidation of alcohols” *The 22nd Iranian Seminar of Organic Chemistry, Tabriz University, Tabriz, Iran, 19-21 August, 2014.*

[109] **Ahmad Shaabani** and Zeinab Hezarkhani “A novel synthesis of highly substituted imidazo[1,5-a]pyrazine selenone derivatives” *18<sup>th</sup> Iranian Chemistry Congress (ICC 2015), Semnan University, Semnan, Iran, August 30 - September 1, 2015.*

[110] **Ahmad Shaabani** and Zeinab Hezarkhani “Copper(II) and iron(II) tetraamino- and tetrasulfophthalocyanines supported on cellulose: Synthesis, characterization and catalytic activity on aerobic oxidation of alkyl arenes and alcohols” *18<sup>th</sup> Iranian Chemistry Congress (ICC 2015), Semnan University, Semnan, Iran, August 30 - September 1, 2015.*

[111] Zeinab Hezarkhani and Ahmad Shaabani “Covalently immobilization of palladium(II) tetrasulfophthalocyanine on keratin protein grafted graphene oxide nanosheets: a new high-performance catalyst for C–C coupling reactions” *The 24th Iranian Seminar of Organic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran, 24-26 August, 2016.*

[112] Zeinab Hezarkhani and Ahmad Shaabani “Cr– and Zn– substituted cobalt ferrite nanoparticles supported on guanidine–modified graphene oxide as two efficient and recyclable catalysts for catalytic applications” *The 24th Iranian Seminar of Organic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran, 24-26 August, 2016.*

[113] Mahmoud Borjian Boroujeni, Mina Keramati Nejad, Ahmad Shaabani “Phthalocyanines@

magnetic chitosan: As an efficient nanocatalyst for selective aerobic oxidation of alkyl arenes and alcohols” The 24th Iranian Seminar of Organic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran, 24-26 August, 2016.

[114] Shabnam Shaabani, Ahmad Shaabani “A one-pot synthesis of oxazepine-quinazolinone bis-heterocyclic scaffolds via isocyanide-based three-component reactions” 24nd Iranian Seminar of Organic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran, 24-26 August, 2016.

[115] Shabnam Shaabani, Azadeh Tavousi Tabatabaei, Ahmad Shaabani “Copper(I) oxide nanoparticles supported on magnetic casein as a bio-supported and magnetically recoverable catalyst for aqueous click chemistry synthesis of 1,4-disubstituted 1,2,3-triazoles” 24nd Iranian Seminar of Organic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran, 24-26 August, 2016.

[116] **Ahmad Shaabani**, “Isocyanide-based reactons developments in Shaabani Lab.” Mini Symposium: Recent Advances in MCR Chemistry, University of Groningen, Netherlands 21.03.2017.

[117] **Ahmad Shaabani**, “The status of isocyanide based multicomponent reactions in Iran” The Fourth International Scientific Conference “Advances in Synthesis and Complexing”, University of RUDN, Moscow, Russia, 24-28 April 2017.

[118] A. Shaabani, Molecules That Will Change the Future, The Second Catalyst Conference of the Iranian Chemical Society (ICC 2020), Kharazmi University, Tehran, Iran, 19 and 20 Feb. 2020.

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