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Associate Prof. of Organic Chemistry
Persian Gulf University
Bushehr, 75169, Iran

Curriculum Vitae

Personal Information:

Name: Alireza Hasaninejad

Place and Date of Birth: Abadeh, Iran, Jun 23, 1973.

Marital Status: Married. I have two sons Amir Reza (9 years old) and Amir Mohammad (3 years old).

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Education:

B.Sc.: Teaching Chemistry, Sistan and Balouchestan University, Iran, 1997.

M.Sc.: Organic Chemistry, Shiraz University, Iran, 2000.

Ph.D. (Advisor: Prof. H. Sharghi), Organic Chemistry, Shiraz University, Iran 2005.

Research Interest:

Green chemistry protocols in organic reactions such as ionic liquids, microwave, biodegradable polymeric catalysts and multi-component reactions

Synthesis of novel potentially biological active heterocyclic compounds and spiro compounds.

Awards:

١. Academic visitor at green chemistry centre, Monash university, Australia (March-September 2012).
٢. Top student in Ph.D. Course
٣. Distinguished Researcher of Persian Gulf University (2008)
٤. Distinguished Researcher of Persian Gulf University (2009)
٥. Distinguished Researcher of Bushehr State (2008)
٦. Distinguished Researcher of faculty of sciences, Persian Gulf University (2012)

National & International Seminars and Conferences:

١. 5th Australian Symposium on Ionic Liquids May 3-4, **2012**, Melbourne, **Australia**.
٢. International Symposium on Catalysis and Fine Chemicals Dec. 4-8, **2011**, Nara, **Japan**.
٣. International Conference catalysis for renewable sources: fuel, energy, chemicals, June 28-July 2, **2010**, Tsars Village, St. Petersburg suburb, **Russia**.
٤. 16th Iranian Conference of Organic Chemistry, August 18-20, **2009**, Zanzan University, **Iran**.
٥. Second International Symposium on Organic Chemistry, December 13-16, **2008**, Sofia, **Bulgaria**
٦. International Catalysis Conference, April 28-30, **2008**, Shahid Beheshti University, Tehran, **Iran**.
٧. 5th Eurasian Meeting on Heterocyclic Chemistry, March 1-6, **2008**, Kuwait, **Kuwait**.
٨. Eighth Tetrahedron Symposium, June 27-29, **2007** Berlin, **Germany**

۹. 13th Iranian Seminar of Organic Chemistry September 7-9, **2006**, Bu-Ali Sina University, Hamedan, **Iran**.
۱۰. First Seminar of Medicinal & Natural Products Chemistry 10-11 May, **2005**, Shiraz, **Iran**.
۱۱. 2th International Conference on Chemistry & its Applications December 6-9, **2003**, Doha-**Qatar**.

Publications:

Book:

Synthesis of Heterocycles Based on Green Chemistry, **Alireza Hasaninejad**, **2016**, Persian Gulf University, In Press.

Research Papers:

۱. Application of PEG-400 as a green biodegradable polymeric medium for the catalyst-free synthesis of spiro-dihydropyridines and their use as acetyl and butyrylcholinesterase inhibitors, Ammar Maryamabadi, · **Alireza Hasaninejad**, · Najmeh Nowrouzi · Gholamhossein Mohebbi · Behvar Asghari, *Biorg. Med. Chem.* **2016**, 24, 1408-1417.
۲. Aluminium dodecyl sulfate trihydrate [Al(DS)₃].3H₂O: An efficient Lewis acid-surfactant-combined catalyst for synthesis of 1,8-dioxo-octahydroxanthens and 1,8-dioxo-decahydroacridines, **Alireza Hasaninejad**, · Tahere Yousefy, · Somayeh Firoozi, *Iran. J. Sci. and Technol. Transaction. A.*, **2015**, 39, 129-140.

۳. Sulfonated polyethylene glycol (PEG-SO₃H) as eco-friendly and potent water soluble solid acid for facile and green synthesis of 1,8-dioxo-octahydroxanthene and 1,8-dioxo-decahydroacridine derivatives, **Alireza Hasaninejad**, Mohsen Shekouhy, Marziyeh Miar, Somayeh Firoozi, *Synth. React. Inorg. Metal Org.* **2015**, DOI:10.1080/15533174.2014.900799.
۴. Chemometrics-Enhanced Micelle-Mediated Extraction Spectrophotometric Method for Simultaneous Determination of Cu²⁺ and Zn²⁺ in Medicinal Plant, Rice and Water Samples Using Continuous Wavelet Transform, Maryam Abbasi Tarighat, · **Alireza Hasaninejad**, · Gholamreza Abdi, *Food Analytical Methods*, **2015**, 1-11, DOI: 10.1007/s12161-015-0372-7.
۵. Facile preparation of a nanostructured functionalized catalytically active organosalt, Ahmad Reza Moosavi-Zare, Mohammad Ali Zolfigol, Vahid Khakyzadeh, Christoph Böttcher, Mohammad Hassan Beyzavi, Abdolkarim Zare, **Alireza Hasaninejad**, Rafael Luque, *J. Mat. Chem. A.* **2014**, 2, 770-777.
۶. Silica-bonded 5-*n*-propyl-octahydro-pyrimido[1,2-*a*]azepinium chloride (SB-DBU)Cl as a highly efficient, heterogeneous and recyclable silica-supported ionic liquid catalyst for the synthesis of benzo[*b*]pyran, bis(benzo[*b*]pyran) and spiro-pyran derivatives, **Alireza Hasaninejad**, Nooshin Golzar, Maryam Beyrati, Abdolkarim Zare, Mohammad Mahdi Doroodmand, *J. Mol. Cat. A.: Chem.* **2013**, 372, 137-150.
۷. An efficient synthesis of novel spiro[benzo[*c*]pyrano[3,2-*a*]phenazines] via domino multi-component reactions using L-proline as a bifunctional organocatalyst, **Alireza Hasaninejad**, Somayeh Firoozi, Fatemeh Mandegani, *Tetrahedron Lett.* **2013**, 54, 2791-2794.
۸. Design, characterization and application of new ionic liquid 1-sulfo-pyridinium chloride as an efficient catalyst for tandem Knoevenagel–Michael reaction of 3-methyl-1-phenyl-1H-pyrazol-5(4H)-one with aldehydes, Ahmad Reza Moosavi-Zare, Mohammad Ali Zolfigol, Mahmood Zarei, Abdolkarim Zare, Vahid Khakizadeh, **Alireza Hasaninejad**, *Appl. Cat. A. General*, **2013**, 467, 61-68.
۹. One-pot, sequential four-component synthesis of benzo[*c*]pyrano[3,2-*a*] phenazine, bis-benzo[*c*]pyrano[3,2-*a*]phenazine and oxospiro benzo[*c*]pyrano[3,2-*a*] phenazine

- derivatives using 1,4-diazabicyclo[2.2.2]octane (DABCO) as an efficient and reusable solid base catalyst, **Alireza Hasaninejad**, Somayeh Firoozi, *Mol. Divers.* **2013**, 17, 499-513.
١٠. Efficient Preparation of Sulfonylimines, Imidazoles and bis(Indolyl)methanes Catalyzed by [Et₃NSO₃H]Cl, Abdolkarim Zare, Firoozeh Bahrami, Maria Merajoddin, Marzieh Bandari, Ahmad Reza Moosavi-Zare, Mohammad Ali Zolfigol, **Alireza Hasaninejad**, Mohsen Shekouhy, Mohammad Hassan Beyzavi, Vahid Khakyzadeh, Mohammad Mokhlesi, Zhila Asgari, *Org. Prep. Proced. Int.* **2013**, 45, 211-219.
 ١١. One-Pot, Four-Component Synthesis of Novel Spiro[indeno[2,1-b]quinoxaline-11,4'-pyran]-2'-amines, **Alireza Hasaninejad**, Nooshin Golzar, Abdolkarim Zare, *J. Heterocycl. Chem.* **2013**, 50, 608-614.
 ١٢. Design of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as a dual-catalyst for the one-pot multi-component synthesis of 1,2,4,5-tetrasubstituted imidazoles, Mohammad Ali Zolfigol, Ardeshir Khazaei, Ahmad Reza Moosavi-Zare, Abdolkarim Zare, Zhila Asgari, Vahid Khakyzadeh, **Alireza Hasaninejad**, *J. Indust. Enginer. Chem.* **2013**, 19, 721-726.
 ١٣. Catalyst-free, one-pot, three-component synthesis of 5-amino-1,3-aryl-1-H-pyrazole-4-carbonitriles in green media, **Alireza Hasaninejad**, Somayeh Firoozi, *Mol. Divers.* **2013**, 17, 459-469.
 ١٤. Study of in situ generation of carbocationic system from trityl chloride (Ph₃CCl) which efficiently catalyzed cross-aldol condensation reaction, Abdolkarim Zare, Maria Merajoddin, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zare, Vahid Khakizadeh, *Comptes Rendus Chimie*, **2013**, 16, 380-384.
 ١٥. Saccharin Sulfonic Acid (SASA) as a Highly Efficient Catalyst for the Condensation of 2-Naphthol With Arylaldehydes and Amides (Thioamides or Alkyl Carbamates) Under Green, Mild, and Solvent-Free Conditions, Abdolkarim Zare, Hamideh Kaveh, Maria Merajoddin, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, Mohammad Ali Zolfigol, *Phosphorus, Sulfur Silicon Relat. Elem.* **2013**, 188, 573-584.

١٦. Silica Nanoparticles Efficiently Catalyzed Synthesis of Quinolines and Quinoxalines, **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, *Cat. Sci. Technol.* **2012**, 2, 201-2014.
١٧. Triethylamine-bonded sulfonic acid {[Et₃N-SO₃H]Cl} as an efficient and homogeneous catalyst for the synthesis of 12 aryl-8,9,10,12-tetrahydrobenzo[a]xanthen-11-ones, Abdolkarim Zare, Roghayyeh Khanivar, Maria Merajoddin, Masoud Kazem-Rostami, Mohammad Mahdi Ahmad-Zadeh, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, *Iran. J. Cat.* **2012**, 2, 107-114.
١٨. Silica-Supported Phosphorus-Containing Catalysts Efficiently Promoted Synthesis of 1,8-Dioxo-octahydro- xanthenes under Solvent-Free Conditions, **Alireza Hasaninejad**, Marjan Dadar, Abdolkarim Zare, *Chem Sci. Trans.* **2012**, 1, 233-238.
١٩. Efficient Synthesis of 12-Aryl-8,9,10,12-tetrahydrobenzo[a]-xanthen-11-ones using Ionic Liquid Pyrazinium Di(hydrogen sulfate) {Py(HSO₄)₂} as a Novel, Green and Homogeneous Catalyst, Abdolkarim Zare, Roghayyeh Khanivar, Marzieh Hatami, Mohammad Mokhlesi, Mohammad Ali Zolfigol, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, Ardeshir Khazaei, Vahid Khakyzadeh, *J. Mex. Chem. Soc.* **2012**, 56, 389-394.
٢٠. Trityl Chloride (TrCl): Efficient and Homogeneous Organocatalyst for the Solvent-Free Synthesis of 14-Aryl-14H-dibenzo[a,j]xanthenes by in situ Formation of Carbocationic System, Abdolkarim Zare, Maria Merajoddin, Fereshteh Abi, Ahmad Reza Moosavi-Zare, Mohammad Mokhlesi, Mohammad Ali. Zolfigol, Zhila Asgari, Vahid Khakyzadeh, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Abolfath Parhami, *J. Chinese hem. Soc.* **2012**, 59, 860-865.
٢١. Preparation of various xanthen derivatives over sulfonic acid functionalized imidazolium salts (SAFIS) as novel, highly efficient and reusable catalysts, Mohammad Ali Zolfigol, Vahid Khakyzadeh, Ahmad Reza Moosavi-Zare, Abdolkarim Zare, Seyedeh Bahareh Azimi, Zhila Asgari, **Alireza Hasaninejad**, *Comptes Rendus Chimie*, **2012**, 15, 719-736.
٢٢. Triethylamine-bonded sulfonic acid ([Et₃N-SO₃H]Cl): A highly efficient and homogeneous catalyst for the condensation of 2-naphthol with arylaldehydes and amides (alkyl carbamates or thioamides), Abdolkarim Zare, Shayesteh Akbarzadeh,

- Elmira Foroozani, Hamideh Kaveh, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, Mohammad Mokhlesi, Mohammad Hassan Beyzavi, Mohammad Ali Zolfigol, *J. Sulfur Chem.* **2012**, 33, 1-14.
۲۳. [Synthesis of Benzo\[b\]pyrane Derivatives Using Supported Potassium Fluoride as an Efficient and Reusable Catalytic System](#), **Alireza Hasaninejad**, Nasrolah Jafarpour, Mohammad Mohammadnejad, *E-J. Chem.* **2012**, 9, 2000-2005.
۲۴. [Solvent-Free Synthesis of 1,8-Dioxo-octahydroxanthenes and 14-Aryl-14H-dibenzo\[a,j\]xanthenes using Saccharin Sulfonic Acid as an Efficient and Green Catalyst](#), Abdolkarim Zare, Mohammad Mokhlesi, **Alireza Hasaninejad**, Tahereh Hekmat-Zadeh, *E-J. Chem.* **2012**, 9, 1854-1863.
۲۵. [Solid-supported sulfonic acid-containing catalysts efficiently promoted one-pot multi-component synthesis of \$\beta\$ -acetamido carbonyl compounds](#), M.A. Zolfigol, Ardeshir Khazaei, Abdolkarim Zare, Mohammad Mokhlesi, Tahereh Hekmat-Zadeh, **Alireza Hasaninejad**, Fatemeh Derakhshan-Panah, Ahmad Reza Moosavi-Zare, Hassan Keypour, Ahmad Ali Dehghani-Firouzabadi, Maria Merajoddin, *J. Chem. Sci.* **2012**, 124, 501-508.
۲۶. [Ionic liquid triethylamine-bonded sulfonic acid \$\{\[Et_3N-SO_3H\]Cl\}\$ as a novel, highly efficient and homogeneous catalyst for the synthesis of \$\beta\$ -acetamido ketones, 1,8-dioxo-octahydroxanthenes and 14-aryl-14H-dibenzo\[a,j\]xanthenes](#), Abdolkarim Zare, Ahmad Reza Moosavi-Zare, Maria Merajoddin, Mohammad Ali Zolfigol, Tahereh Hekmat-Zadeh, **Alireza Hasaninejad**, Ardeshir Khazaei, Mohammad Mokhlesi, Vahid Khakyzadeh, Fatemeh Derakhshan-Panah, Mohammad Hassan Beyzavi, Esmael Rostami, Azam Arghoon, Razieh Roohandeh, *J. Mol. Liq.* **2012**, 167, 69-77.
۲۷. [Preparation of 4,4'-\(Arylmethylene\)-bis\(3-methyl-1-phenyl-1H-pyrazol-5-ol\)s over 1,3-Disulfonic Acid Imidazolium Tetrachloroaluminate as a Novel Catalyst](#), Ardeshir Khazaei, Mohammad Ali Zolfigol, Ahmad Reza Moosavi-Zare, Zhila Asgari, Mohsen Shekouhy, Abdolkarim Zare, **Alireza Hasaninejad**, *RSC Advances*, **2012**, 2, 8010-8013.
۲۸. [Zirconium Nitrate: A Reusable Water Tolerant Lewis Acid Catalyst for the Synthesis of N-Substituted Pyrroles in Aqueous Media](#), **Alireza Hasaninejad**,

- Mohsen Shekouhy, Mohammad Reza Mohammadizadeh, Abdolkarim Zare, *RSC Advances* **2012**, 2, 6174-6177.
۲۹. Coated wire lead(II)-selective electrode based on a Schiff base ionophore for low concentration measurements Ahmad Soleymanpour, Bitā Shafaatian, Kamalodin Kor, **Alireza Hasaninejad**, *Monatsh Chem.* **2012**, 143, 181-188.
۳۰. Solvent-free, one-pot, four-component synthesis of 2H-indazolo[2,1-b]phthalazine-triones using sulfuric acid-modified PEG-6000 as a green recyclable and biodegradable polymeric catalyst, **Alireza Hasaninejad**, Maryam Rasekhi Kazerooni, Abdolkarim Zare, *Catal. Today*, **2012**, 196, 148-155.
۳۱. Ultrasound-promoted catalyst-free one-pot four component synthesis of 2H-indazolo[2,1-b]phthalazine-triones in neutral ionic liquid 1-butyl-3-methylimidazolium bromide, Mohsen Shekouhy, **Alireza Hasaninejad**, *Ultrason. Sonochem.* **2012**, 19, 307-313.
۳۲. Sulfonic acid functionalized imidazolium salts/ FeCl₃ as novel and highly efficient catalytic systems for the synthesis of benzimidazoles at room temperature, Ardeshir Khazaei, Mohammad Ali Zolfigol, Ahmad Reza Moosavi-Zare, Abdolkarim Zare, Ezat Ghaemi, Vahid Khakyzadeh, Zhila Asgari, **Alireza Hasaninejad**, *Scientia Iranica*, **2011**, 18, 1365-1371.
۳۳. Ionic liquid 1-butyl-3-methylimidazolium bromide ([Bmim]Br) as a green and neutral reaction media for the catalyst-free synthesis of 1-amidoalkyl-2-naphthols, Abdolkarim Zare, **Alireza Hasaninejad**, Alireza Salimi Beni, Ahmad Reza Moosavi-Zare, Maria Merajoddin, Elaheh Kamali, Mahbobeh Akbari-Seddigh, Zahra Parsaee, *Scientia Iranica*, **2011**, 18, 433-438.
۳۴. Silica bonded *n*-propyl-4-aza-1-azoniabicyclo[2.2.2]octane chloride (SB-DABCO): A highly efficient, reusable and new heterogeneous catalyst for the synthesis of 4*H*-benzo[*b*]pyran derivatives, **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Mahdi Doroodmand, Mohsen Shekouhy, Nooshin Golzar *Applied Catalysis A.: General* **2011**, 402, 11-22.
۳۵. Diversity-Oriented Synthesis of Novel 2'-Aminospiro[11*H*-indeno[1,2-*b*]quinoxaline-11,4'-[4*H*]pyran] Derivatives via a One-Pot Four-Component

- Reaction, **Alireza Hasaninejad** Nooshin Golzar, Mohsen Shekouhy, Abdolkarim Zare, *Helvetica Chimica Acta*, **2011**, 94, , 2289-2294.
۳۶. Uronium Hydrogen Sulfate/Urea-Hydrogen Peroxide as a Green and Metal-Free Catalytic System for the Efficient, Chemo-, and Homoselective Oxidation of Sulfides to Sulfoxides, **Alireza Hasaninejad**, Gholamabbas Chehardoli, Mohammad Ali Zolfigol, Abbas Abdoli, *Phosphorus, Sulfur, and Silicon* **2011**, 186, 271-280.
۳۷. Sulfuric Acid-Modified PEG-6000 (PEG-OSO₃H): An Efficient, Biodegradable and Reusable Polymeric Catalyst for the Solvent-Free Synthesis of Poly-Substituted Quinolines under Microwave Irradiation **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, Javad Ameri-Rad *Green Chemistry* **2011**, 13, 958-964.
۳۸. Highly efficient synthesis of triazolo[1,2-*a*]indazole-triones and novel spiro triazolo[1,2-*a*]indazole-tetraones under solvent-free conditions **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, *Tetrahedron* **2011**, 67, 390-400.
۳۹. Efficient Synthesis of 4,4'-(Arylmethylene)-bis(3-methyl-1-phenyl-pyrazol-5-ol) Derivatives in PEG-400 under Catalyst-Free Conditions, **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, Nooshin Golzar, *Org. Prep. Proced. Int.* **2011**, 43, 131-137.
۴۰. Synthesis of Poly-Substituted Quinolines via Friedländer Hetero-Annulation Reaction using Silica-Supported P₂O₅ under Solvent-Free Conditions, **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Ali Zolfigol, Marzieh Abdeshah, Fatemeh Nami-Ana, Arash Ghaderi, *Iran. J. Chem. Chem. Eng.* **2011**, 30, 73-81.
۴۱. PEG-SO₃H as a New, Highly Efficient and Homogeneous Polymeric Catalyst for the Synthesis of Bis(indolyl)methanes and Bis(pyrazolyl)methanes in water, **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, Sayyed Mohammad Saleh Hoseini Ghattali, Nooshin Golzar, *J. Iran. Chem. Soc.* **2011**, 8, 411-423.
۴۲. A catalyst-free one-pot four component synthesis of polysubstituted imidazoles in neutral ionic liquid [Bmim]Br, **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, Javad Ameri Rad, *J. Comb. Chem.* **2010**, 12, 844-849.

٤٣. Application of metalloporphyrins as new catalysts for the efficient, mild and regioselective synthesis of quinoxaline derivatives Khosro Mohammadi, **Alireza Hasaninejad**, Mahmud Niad, Mojtaba Najmi *J. Porphyrins Phthalocyanines* **2010**, 14, 1052-1058.
٤٤. Solvent-Free Cross-Aldol Condensation Reaction using Silica-Supported Phosphorus-Containing Reagents Leading to α,α' -Bis(arylidene)cycloalkanones, **Alireza Hasaninejad**, Abdolkarim Zare, Laleh Balooty, Hadis Mehregan, *Synth. Commun.* **2010**, 40, 3488-3495.
٤٥. Lithium bromide as an efficient, green and inexpensive catalyst for the synthesis of quinoxaline derivatives at room temperature, **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Reza Mohammadizadeh, Mohsen Shekouhy, *Green Chem. Lett. Rev.* **2010**, 3, 143-148.
٤٦. Potentiometric behavior of Co(II)-meso-tetraarylporphyrin derivatives as ionophores in anion-selective electrodes. Cross sensitivity studies, Mojtaba Shamsipur, Javad Tashkhourian, **Alireza Hasaninejad**, Hashem Sharghi, *Anal. Lett.* **2010**, 43, 161-175.
٤٧. A Green Solventless Protocol for the Synthesis of β -Enaminones and β -Enamino Esters Using Silica Sulfuric Acid as a Highly Efficient, Heterogeneous and Reusable Catalyst, **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Reza Mohammadizadeh, Mohsen Shekouhy, Ahmad Reza Moosavi-Zare, *E. J. Chem.* **2010**, 7, 1546-1554.
٤٨. Ionic liquid 1-butyl-3-methylimidazolium bromide ([bmim]Br): A green and neutral reaction media for the efficient, catalyst-free synthesis of quinoxaline derivatives, Abdolkarim Zare, **Alireza Hasaninejad**, Abolfath Parhami, Ahmad Reza Moosavi-Zare, Fatemeh Khedri, Zahra Parsaee, Masoomeh Abolalipoor-Sartoli, Masoomeh Khedri, Mehrnoosh Roshankar, Hanafieh Deisi, *J. Serb. Chem. Soc.* **2010**, 75, 1315-1324.
٤٩. Molybdato-phosphoric acid as an efficient catalyst for the catalytic and chemoselective oxidation of sulfides to sulfoxides using urea hydrogen peroxide as a commercially available oxidant, **Alireza Hasaninejad**, Mohammad Ali Zolfigol,

- Gholamabbas Chehardoli, Mohammad Mokhlesi, *J. Serb. Chem. Soc.* **2010**, 75, 307-316.
- ٠. Synthesis of some new bis-3,4-dihydropyrimidin-2(1*H*)-ones by using silica-supported tin chloride and titanium tetrachloride, Khodabakhsh Niknam, **Alireza Hasaninejad**, Madihe Arman, *Chinese Chem. Lett.* **2010**, 21, 399-402.
- ١. PEG-SO₃H as a New, Highly Efficient and Homogeneous Polymeric Catalyst for the Synthesis of Acylals from Aldehydes and Acetic Anhydride, Abdolkarim Zare, **Alireza Hasaninejad**, Esmael Rostami, Ahmad Reza Mosavi-Zare, Maria Merajoddin, *Scientia Iranica*, **2010**, 17, 24-30.
- ٢. A highly efficient protocol for the synthesis of N-aryl nucleobases using zinc oxide in ionic liquids, Abdolkarim Zare, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Ahmad Reza Moosavi-Zare, Mohammad Hasan Beyzavi, Fatemeh Khedri, Fatemeh Asadi, N. Hayati, A. Asifi, *J. Iran. Chem. Soc.* **2010**, 7, 461-469.
- ٣. Silica-supported LiHSO₄ as a highly efficient, heterogeneous and reusable catalytic system for the solvent-free synthesis of β-enaminones and β-enamino esters, **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Reza Mohammadizadeh, Mohsen Shekouhy, *J. Iran. Chem. Soc.* **2010**, 7, 69-76.
- ٤. An Efficient Solvent-Free Protocol for the Synthesis of 1-Amidoalkyl-2-naphthols using Silica-Supported Molybdato-phosphoric Acid, Abdolkarim Zare, **Alireza Hasaninejad**, Esmael Rostami, Ahmad Reza Mosavi-Zare, Nasrin Pishahang, Mehrnoosh Roshankar, Fatemeh Khedri, Maasoomah Khedri, *E- J. Chem.* **2010**, 7, 1162-1169.
- ٥. A novel, fast and efficient one-pot four-component procedure for preparation of some alkyl spiro[indeno[1,2-b]quinoxaline-11,3'-pyrrolizine]-2'-carboxylates, Ali Alizadeh Khansalary, Mohammad Reza Mohammadizadeh, **Alireza Hasaninejad**, A. A. Mohammadi, A. R. Karimi, *J. Iran. Chem. Soc.* **2010**, 45-50.
- ٦. Trifluoroacetic acid as an efficient catalyst for one-pot four- component synthesis of 1,2,4,5-tetrasubstituted imidazoles under microwave-assisted solvent-free conditions; Mohammad Reza Mohammadizadeh, **Alireza Hasaninejad**, M. Bahramzadeh, *Synth. Commun.* **2009**, 39, 3232-3242.

٥٧. Silica-supported LiHSO_4 as a highly efficient, mild, heterogeneous and reusable catalytic system for the solvent-free synthesis of bis(indolyl)methanes, **Alireza Hasaninejad**, Abdolkarim Zare, Hashem Sharghi, Reza Khalifeh, Mohsen Shekouhy, *Phosphorus, Sulfur, and Silicon*, **2009**, 184, 2508-2515.
٥٨. Green, catalyst-free protocol for the efficient synthesis of N-sulfonyl aldimines and ketimines in ionic liquid [Bmim]Br, Abdolkarim Zare, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, Abolfath Parhami, Ali Khalafi-Nezhad, Mohammad Hasan Beyzavi, *Synth. Commun.* **2009**, 39, 3156-3165.
٥٩. Potassium Fluoride as an efficient and reusable reagent for the synthesis of N,N-dialkylsulfonamides via aza-conjugate addition reaction under microwave irradiation, **Alireza Hasaninejad**, Abdolkarim Zare, Abolfath Parhami, Ahmad Reza Moosavi-Zare, Raheleh Bargebid, Mohammad Hasan Beyzavi, Ali Khalafi-Nezhad, Azam Arghanoon, Maria Merajoddin, Sayyed Ali Moosavi, Abdoreza Dara, Mohsen Shekouhy, *Org. Prep. Proced. Int.* **2009**, 41, 291-298.
٦٠. An eco-friendly procedure for the efficient synthesis of bis(indolyl)methanes in aqueous media, Sara Sobhani, Elham Safaei, **Alireza Hasaninejad**, Soodabeh Rezazadeh, *J. Organometallic Chem.* **2009**, 694, 3027-3031.
٦١. $\text{P}_2\text{O}_5/\text{SiO}_2$ as an Efficient, Green and Heterogeneous Catalytic System for the Solvent-Free Synthesis of 3,4-Dihydropyrimidin-2-(1 H)-ones (and -Thiones), **Alireza Hasaninejad**, Abdolkarim Zare, Farhad Jafari, Ahmad Reza Moosavi-Zare, *E-J. Chem.* **2009**, 6, 459-465.
٦٢. $\text{KF}/\text{Al}_2\text{O}_3$ as an efficient, green and reusable catalytic system for the solvent-free synthesis of N-alkyl derivatives of sulfonamides via Michael reactions; Abdolkarim Zare, **Alireza Hasaninejad**, Mohammad Hasan Beyzavi, Ahmad Reza Moosavi Zare, Ali Khalafi-Nezhad, Mehrnoosh Roshankar, Fatemeh Fiouzi, Sedigeh Azad *Phosphorus, Sulfur, and Silicon*, **2009**, 184, 1702-1712.
٦٣. $\text{KF}/\text{Al}_2\text{O}_3$ as a highly efficient, green, heterogeneous and reusable catalytic system for the solvent-free synthesis of carboacyclic nucleosides via Michael addition reaction; Abdolkarim Zare, **Alireza Hasaninejad**, Mohammad Hasan Beyzavi, Ahmad Reza Moosavi Zare, Ali Khalafi-Nezhad, Fatemeh Asadi, Leila Baramaki,

- Sedigheh Jomhori-Angali, Rokhsareh Ghaleh-Golabi, *Synth. Commun.* **2009**, 39, 139-157.
٦٤. P₂O₅/SiO₂ as a new, efficient and reusable catalyst for preparation of β-enaminones under solvent-free conditions, Mohammad Reza Mohammadizadeh, **Alireza Hasaninejad**, Mojtaba Bahramzadeh, Zahra Sardari Khanjarlou, *Synth. Commun.* **2009**, 39, 1152-1155.
٦٥. P₂O₅/SiO₂ an efficient, green and heterogeneous catalytic system for the solvent-free synthesis of 3,4-dihydropyrimidin-2-(1*H*)-ones (and thiones); **Alireza Hasaninejad**, Abdolkarim Zare, Farhad Jafari, Ahmad Reza Moosavi-Zare, *E-J. Chem.*, **2009** 6, 459-465.
٦٦. A catalyst-free protocol for the green and efficient condensation of indoles with aldehydes in ionic liquids, Abdolkarim Zare, Abolfath Parhami, Ahmad Reza Moosavi-Zare, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Mohammad Hasan Beyzavi, *Can. J. Chem.* **2009**, 87, 416-421.
٦٧. Synthesis of Quinoxaline Derivatives via Condensation of Aryl 1,2-Diamines with 1,2-Diketones Using (NH₄)₆Mo₇O₂₄.4H₂O as an Efficient, Mild and Reusable Catalyst; **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Reza Mohammadizadeh, Zahra Karami, *J. Iran. Chem. Soc.* **2009**, 6, 153-158.
٦٨. Zirconium Tetrakis(dodesyl sulfate) [Zr(DS)₄] as an efficient Lewis acid- surfactant combined catalyst for the synthesis of quinoxaline derivatives in aqueous media; **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Ali Zolfigol, Mohsen Shekouhy, *Synth. Commun.* **2009**, 39, 569-579.
٦٩. Bentonite Clay K-10 as an Efficient Reagent for the Synthesis of Quinoxaline Derivatives at Room Temperature, **Alireza Hasaninejad**, Abdolkarim Zare, Mohsen Shekouhy, and Ahmad Reza Moosavi-Zare, *E-J. Chem.* **2009**, 6, S247-S253.
٧٠. LiHSO₄/SiO₂ as a New, Efficient and Reusable Catalytic System for the Chemoselective Conversion of Aldehydes to Acylals under Solvent-Free Conditions, Abdolkarim Zare, Alireza Hasaninejad, Esmael Rostami, Ahmad Reza Moosavi-Zare, Maria Merajoddin, Azam Arghoon, Nasrin Pishahang, and Mohsen Shekouhy, *E-J. Chem.* **2009**, 6, S390-S396.

٧١. A green solventless protocol for the synthesis of N-sulfonyl imines in the presence of silica sulfuric acid as an efficient, heterogeneous and reusable catalyst; Abdolkarim Zare, **Alireza Hasaninejad**, Mohsen Shekouhy, Ahmad Reza Moosavi Zare, *Org. Prep. Proced. Int.* **2008**, 40, 457- 460.
٧٢. Quaternary ammonium salts as highly efficient and green alkylating agents for N-alkylation of azaheterocycles under microwave irradiation, Ali Khalafi-Nezhad, Abdolkarim Zare, Abolfathe Parhami, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zare, *J. Iran. Chem. Soc.* **2008**, 5, S40-S46.
٧٣. Ionic liquid-accelerated synthesis of some N-alkyl derivatives of phthalimide and sulfonamides, **Alireza Hasaninejad**, Abdolkarim Zare, Ali Khalafi-Nezhad, Hashem Sharghi, Ahmad Reza Moosavi-Zare, Abolphath Parhami, *J. Chil. Chem. Soc.* **2008**, 53, 1663-1666.
٧٤. Highly selective transport of silver ion through a supported liquid membrane using calix[4]pyrroles as suitable ion carriers; Ali Asghar Amiri, Afsaneh Safavi, **Alireza Hasaninejad**, Hasaem Sharghi, Mojtaba Shamsipur; *J. Membrane Sci.* **2008**, 325, 295-300.
٧٥. KF/Al₂O₃ as a highly efficient reagent for the synthesis of N-aryl derivatives of pyrimidine and purine nucleobases; Abdolkarim Zare, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zare, Mohammad Hasan Beyzavi, Ali Khalafi-Nezhad, Nasrin Pishahang, Zahra Parsaee, Parvin Mahdavinassab, Nahid Hayati; *Arkivoc*, **2008**, (xvi) 178-188.
٧٦. A green solventless protocol for the synthesis of N-sulfonyl imines in the presence of silica sulfuric acid as an efficient, heterogeneous and reusable catalyst; Abdolkarim Zare, **Alireza Hasaninejad**, Mohsen Shekouhy, Ahmad Reza Moosavi Zare, *Org. Prep. Proced. Int.* **2008**, 40, 457-463.
٧٧. Ionic liquid-accelerated Michael addition of pyrimidine and purine nucleobases to α,β -unsaturated esters: a rapid approach to carboacyclic nucleosides synthesis; Abdolkarim Zare, **Alireza Hasaninejad**, Roholla Safinejad, Ahmad Reza Moosavi Zare, Ali Khalafi-Nezhad, Mohammad Hassan Beyzavi, Mojtaba Miralai-Moredi, Esmail Dehghani, Parvin Kazerooni-Mojarrad, *Arkivoc* **2008**,(xvi), 61-74.

٧٨. Silphox [POCl_{3-n}(SiO₂)_n] as a new, efficient and heterogeneous reagent for the Synthesis of Benzimidazole Derivatives Under Microwave Irradiation; **Alireza Hasaninejad**, Khodabakhsh Niknam, Abdolkarim Zare, Ehsan Farsimadan, Mohsen Shekouhy, *Phosphorus, Sulfur Silicon Relat. Elem.* **2008**, 184, 147-155.
٧٩. An Efficient Solventless Method for the Synthesis of *N,N*-Dialkyl Sulfonamide Derivatives; Abdolkarim Zare, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zare, Ali Khalafi-Nezhad, Abolfath Parhami, *J. Iran. Chem. Soc.* **2008**, 5, 617-622.
٨٠. Triarylmethyl chlorides as novel, efficient and mild organic catalysts for the synthesis of *N*-sulfonyl imines under neutral conditions; Ali Khalafi-Nezhad, Abolfath Parhami, Abdolkarim Zare, Amir Nasrolahi Shirazi, Ahmad Reza Moosavi Zare, **Alireza Hasaninejad**, *Can. J. Chem.* **2008**, 86, 456-461.
٨١. Preparation of *N*-Sulfonyl Imines from Sulfonamides and Aryl Aldehydes Using Magnesium Oxide as a Heterogeneous and Reusable Catalyst Under Solvent-Free Conditions; **Alireza Hasaninejad**, Abdolkarim Zare, Ahmad Reza Moosavi Zare, Abolfath Parhami, Hashem Sharghi, Ali Khalafi-Nezhad, *Phosphorus, Sulfur Silicon Relat. Elem.* **2008**, 183, 2769-2776.
٨٢. Oxalic acid as an efficient, cheap, and reusable catalyst for the preparation of quinoxalines via condensation of 1,2-diamines with α -diketones at room temperature; **Alireza Hasaninejad**, Abdolkarim Zare, Mohammad Reza Mohammadzadeh, Mohsen Shekouhy, *Arkivoc* **2008**,(xiii), 28-35.
٨٣. P₂O₅/SiO₂ an efficient, green and heterogeneous catalytic system for the solvent-free synthesis of *N*-sulfonyl imines; **Alireza Hasaninejad**, Abdolkarim Zare, Hashem Sharghi, Mohsen Shekouhy, *Arkivoc* **2008** (xi) 64-74.
٨٤. Microwave-Assisted Michael Addition of Amides to α,β -Unsaturated Esters under Solvent-Free Conditions; Abdolkarim Zare, **Alireza Hasaninejad**, Abolfath Parhami, Ahmad Reza Moosavi Zare, Ali Khalafi-Nezhad, *Polish J. Chem.* **2008**, 82, 1059-1066.
٨٥. Zinc oxide-tetrabutylammonium bromide tandem as a highly efficient, green, and reusable catalyst for the Michael addition of pyrimidine and purine nucleobases to α,β -unsaturated esters under solvent-free conditions; Abdolkarim Zare, **Alireza Hasaninejad**, Mohammad Hassan Beyzavi, Abolfath Parhami, Ahmad Reza

- Moosavi Zare, Ali Khalafi-Nezhad, Hashem Sharghi, *Can. J. Chem.* **2008**, 86, 317-324.
- ⁸⁶. Trityl Chloride as a Novel and Efficient Organic Catalyst For Room Temperature Preparation of Bis(indolyl)methanes Under Solvent-free Conditions in Neutral Media; Ali Khalafi-Nezhad, Abolfath Parhami, Abdolkarim Zare, Ahmad Reza Moosavi Zare, **Alireza Hasaninejad**, Farhad Panahi, *Synthesis* **2008**, 617-621.
- ⁸⁷. Magnesium sulfate as an Efficient and Very Cheap Reagent for the Preparation of Bis(indolyl)methanes; **Alireza Hasaninejad**, Abolfath Parhami, Abdolkarim Zare, Ali Khalafi-Nezhad, Amir Nasrolahi Shirazi, Ahmad Reza Moosavi Zare, *Polish J. Chem.* **2008**, 82, 565-569.
- ⁸⁸. A solventless Protocol for the Michael Addition of Aromatic Amides to α,β -Unsaturated Esters Promoted by Microwave Irradiation; Abdolkarim Zare, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Abolfath Parhami, Ahmad Reza Moosavi Zare, *J. Iran. Chem. Soc.* **2008**, 5, 100-105.
- ⁸⁹. Zinc oxide as a new, highly efficient, green and reusable catalyst for microwave-assisted Michael addition of sulfonamides to α,β -unsaturated esters in ionic liquids; Abdolkarim Zare, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zare, Abolfath Parhami, Hashem Sharghi, and Ali Khalafi-Nezhad, *Can. J. Chem.* **2007**, 85, 438-444.
- ⁹⁰. Michael Addition of Phthalimide and Saccharin to α,β -Unsaturated Esters Under Solvent-Free Conditions; G.H. Imanzadeh, A. Khalafi-Nezhad, A. Zare, **A. Hasaninejad**, A.R. Moosavi Zare, A. Parhami, *J. Iran. Chem. Soc.* **2007**, 4, 229-237.
- ⁹¹. Microwave-Assisted Michael Addition of Sulfonamides to α,β -Unsaturated Esters: A Rapid Entry to Protected β -Amino Acid Synthesis; Gholam Hassan Imanzadeh, Abdolkarim Zare, Ali Khalafi-Nezhad, **Alireza Hasaninejad**, Ahmad Reza Moosavi Zarea, Abolfath Parhami, *J. Iran. Chem. Soc.* **2007**, 4, 467-475.
- ⁹². Silphox [$\text{POCl}_{3-n}(\text{SiO}_2)_n$] as a new, efficient and heterogeneous reagent for the preparation of *N*-sulfonyl imines under solvent-free conditions; **Alireza Hasaninejad**, Abdolkarim Zare, *J. Sulfur Chem.* **2007**, 28, 357-364.

۹۳. Organic reactions in ionic liquids: MgO efficient and reusable catalyst for the Michael addition of sulfonamides to α,β -unsaturated esters under microwave irradiation; Abdolkarim Zare, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Ahmad Reza Moosavi Zare, Abolfath Parhami, *Arkivoc* **2007**, (xiii) 105-115.
۹۴. A green solventless protocol for Michael addition of phthalimide and saccharin to acrylic acid esters in the presence of zinc oxide as a heterogeneous and reusable catalyst; Abdolkarim Zare, **Alireza Hasaninejad**, Ali Khalafi-Nezhad, Ahmad Reza Moosavi Zare, Abolfath Parhami, Gholam Reza Nejabat, *Arkivoc* **2007** (i) 58-69.
۹۵. P_2O_5/SiO_2 as an efficient, mild, and heterogeneous catalytic system for the condensation of indoles with carbonyl compounds under solvent-free conditions; **Alireza Hasaninejad**, Abdolkarim Zare, Hashem Sharghi, Khodabakhsh Niknam, Mohsen Shekouhy, *Arkivoc* **2007**, (xiv) 39-50.
۹۶. A solvent-free protocol for facile condensation of indoles with carbonyl compounds using silica chloride as a new, highly efficient and mild catalyst; **Alireza Hasaninejad**, Abdolkarim Zare, Hashem Sharghi, Mohsen Shekouhy, Reza Khalifeh, Alireza Salimi Beni, and Ahmad Reza Moosavi Zare, *Can. J. Chem.* **2007**, 85, 416-420.
۹۷. A convenient and efficient method for the preparation of *N*-sulfonyl aldimines from aromatic aldehydes under solvent-free conditions; **Alireza Hasaninejad**, Hashem Sharghi, *Phosphorus, Sulfur Silicon Relat. Elem.* **2007**, 182, 873-880.
۹۸. Determination of silver (I) by electrothermal-AAS in a microdroplet formed from a homogeneous liquid-liquid extraction system using tetraspirocyclohexyl calix[4]pyrroles; Ali Reza Ghasvand, Farzaneh Moradi, Hashem Sharghi, **Alireza Hasaninejad**, *Anal. Sci.* **2005**, 21, 387-390.
۹۹. Dichloro(5,10,15,20-tetraphenylporphyrin) phosphorus(V) chloride as a new catalyst for conversion of 1,2-epoxyethanes to 2-hydroxyethyl thiocyanates with ammonium thiocyanate; Hashem Sharghi, **Alireza Hasaninejad**, *Phosphorus, Sulfur Silicon Relat. Elem.* **2004**, 179, 2297-2305.

۱۰۰. Metalloporphyrins as new catalysts in the mild, efficient and regioselective conversion of epoxides to β -hydroxy thiocyanates with NH_4SCN ; Hashem Sharghi **Alireza Hasaninejad** Mohammad Ali Nasser, *New J. Chem.* **2004**, 28, 946-951.
۱۰۱. Novel synthesis of meso-tetraarylporphyrins using $\text{CF}_3\text{SO}_2\text{Cl}$ under aerobic oxidation; Hashem Sharghi, **Alireza Hasaninejad**, *Tetrahedron* **2004**, 60, 1863-1868.
۱۰۲. Highly selective PVC-membrane electrodes based on three derivatives of (tetraphenylporphyrinato) cobalt (III) acetate for determination of trace amounts of nitrite ion; Mojtaba Shamsipur, Mehran Javanbakht, **Alireza Hasaninejad**, Hashem Sharghi, Mohammad Reza Ganjali, Mir Fazlollah Mousavi, *Electroanalysis* **2003**, 15, 1251-1259.
۱۰۳. Perchlorate selective membrane electrodes based on a phosphorus(V)-tetraphenylporphyrin complex; Mojtaba Shamsipur, Ahmad Soleymanpour, Morteza Akhond, Hashem Sharghi, **Alireza Hasaninejad**, *Sens. Actuators, B* **2003**, 89, 9-14.
۱۰۴. Phosphorus pentachloride (PCl_5) mediated synthesis of tetraarylporphyrins; Hashem Sharghi, **Alireza Hasaninejad**, *Helv. Chim. Acta* **2003**, 86, 408-414.
۱۰۵. Synthesis of meso-tetraarylporphyrins in air with silica chloride as catalyst; Hashem Sharghi, **Alireza Hasaninejad**, *J. Chem. Res. (S)* **2003**, 87-88.
۱۰۶. Efficient synthesis of β -hydroxy thiocyanates using tetraarylporphyrins as new catalysts; Hashem Sharghi, Mohammad Ali Nasser, **Alireza Hasaninejad**, *J. Mol. Cat. A: Chem.* **2003**, 206, 53-57.