

IN THE NAME OF GOD



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I. Personal Information:

1. First Name: Arash
2. Surname: Ghorbani-Choghamarani
3. Date of Birth: 23 September 1979
4. Nationality: Iranian
5. Academic Degree: Professor

II. Education:

Ph. D. 2007, Organic Chemistry, Bu-Ali Sina University, Hamadan, IRAN

Visiting Graduate Student, 2005-2006, The University of Western Ontario, Ontario, London, **Canada**

M. Sc. 2003, Organic Chemistry, Bu-Ali Sina University, Hamadan, IRAN

B. Sc. 2001, Applied Chemistry, Bu-Ali Sina University, Hamadan, IRAN

III. Teaching and Research Position:

Professor: March 2017, Ilam University, Ilam, **IRAN**

Associate Professor: February 2013-March 2017, Ilam University, Ilam, **IRAN**

Assistant Professor: September 2007-February 2013, Ilam University, Ilam, **IRAN**

IV. Awards:

1. Distinguished B. Sc. Student of Bu-Ali Sina University 2000.
2. Distinguished B. Sc. Student of science faculty of Bu-Ali Sina University 2000.
3. Distinguished M. Sc. Student of Bu-Ali Sina University 2002.
4. Distinguished M. Sc. Student of science faculty of Bu-Ali Sina University 2002.
5. Distinguished PhD Student of Bu-Ali Sina University 2006.
6. Have Gotten thank letter because of participant in Symposium of Kharazmi 2001.
7. Distinguished Researcher of Faculty of Science at Ilam University 2008.
8. Distinguished Researcher of Ilam University 2009.
9. Distinguished Researcher of Ilam University 2010.
10. Distinguished Teacher of Ilam University 2009.
11. Distinguished Researcher of Ilam Province 2009.
12. Distinguished Researcher of Ilam University 2011.
13. Distinguished Researcher of Ilam University 2012.
14. Distinguished Researcher of Ilam Province 2015.
15. Distinguished Researcher of Faculty of Science at Ilam University 2015.

16. Distinguished Researcher of Faculty of Science at Ilam University 2016.
16. Distinguished Researcher of Faculty of Science at Ilam University 2017.
17. International Scientist by ISI (ESI) in December 2017.
18. Distinguished Researcher of Chemistry Department at Ilam University 2018.

V. Work Experience:

1. Faculty member at Ilam University from **September 10, 2007** until **September, 2020**
2. Visiting Professor at The University of Western Ontario, from **March 2018** until **October 2018**
3. Faculty member at Bu-Ali Sina University from **September 2020** until **Now**.

List of Publications

2000

1. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Taqian-Nasab, A.; Keypour, H.; Salehzadeh, S.; **2000** "Chemoselective *N*-nitrosation of secondary amines under mild and heterogeneous conditions via in situ generation of NOCl" *J. Chem. Res-S*, 420.

2001

2. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; Shirini, F.; Keypour, H.; Salehzadeh S.; **2001** "Chemoselective *N*-nitrosation of secondary amines under mild and heterogeneous conditions" *Synthetic Commun.*, Vol. 31, 359.
3. Zolfigol, M. A.; Bagherzadeh, M.; **Ghorbani Choghamarani, A.**; Keypour, H.; Salehzadeh, S.; **2001** "*N*-nitrosation of secondary amines under mild and heterogeneous condition" *Synthetic Commun.*, Vol. 31, 1161.
4. Zolfigol, M. A.; Sadeghi, M. M.; Mohamadpoor-Baltork, I.; **Ghorbani Choghamarani, A.**; Taqian-nasab, A.; **2001** "Oxidation of 1,4-dihydropyridines under mild and heterogeneous condition" *Asian J. Chem.*, Vol. 13, 887.
5. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Shiri, A.; Keypour, H.; **2001** "Chemoselective *N*-nitrosation of secondary amines under mild and heterogeneous conditions with $ZrCl_4/NaNO_2$ " *Asian J. Chem.*, Vol. 13, 849.

2002

6. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; Hazarkhani, H.; **2002** "Trichloroisocyanuric acid/ NaNO_2 as a novel heterogeneous system for the *N*-nitrosation of *N,N*-dialkylamines under mild conditions" *Synlett*, 1002.
7. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; **2002** "Silica chloride/ NaNO_2 as a novel heterogeneous system for the *N*-nitrosation of secondary amines under mild conditions" *Synthetic Commun.*, Vol. 32, 1809.
8. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Mohammadpoor-Baltork, I.; **2002** "Silica modified sulfuric acid/ NaNO_2 as a novel heterogeneous system for the oxidation of 1,4-dihydropyridines under mild and heterogeneous condition" *Green Chem.*, 562.

2003

9. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Ghofrani, E.; **2003** "Silica chloride/ NaNO_2 as a novel heterogeneous system for production of thionitrites and disulfides under mild conditions" *Phosphorus, Sulfur*, Vol. 178, 1477.
10. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; Taqian-nasab, A.; Keypour, H.; Salehzadeh, S.; **2003** "Chemoselective *N*-nitrosation of secondary amines under mild and heterogeneous conditions" *B. Kor. Chem. Soc.*, Vol. 24, 638.
11. Zolfigol, M. A.; Mohammadpoor-Baltork, I.; Mirjalili, B. F.; Shirini, F.; Salehzadeh, S.; Keypour, H.; **Ghorbani Choghamarani, A.**; Zebarjadian, M. H.; Mohammadi, K.; Hazar, A.; **2003** "Silica sulfuric acid/wet SiO_2 as a novel heterogeneous system for cleavage of carbon nitrogen double bonds under mild conditions" *Phosphorus, Sulfur*, Vol. 178, 2735.
12. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; **2003** "Silica sulfuric acid/ NaNO_2 as a novel heterogeneous system for the chemoselective α -nitrosation of β -diketones under mild conditions" *Phosphorus, Sulfur*, Vol. 178, 1623.
13. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; Dialameh, S.; Sadeghi, M. M.; Mohammadpoor-Baltork, I.; Memarian, H. R.; **2003** "An efficient method for the oxidation of 1,4-dihydropyridines under mild and heterogeneous conditions Via in-situ generation of NOCl " *J. Chem. Res-S*, 18.
14. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Mohammadpoor-Baltork, I.; **2003** "Silica chloride/ NaNO_2 as a novel heterogeneous system for the oxidation of 1,4-dihydropyridines under mild conditions via in-situ generation of NOCl " *Phosphorus, Sulfur*, Vol. 178, 1709.
15. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; **2003** "Silica chloride/ NaNO_2 as a novel heterogeneous system for the nitration of phenols under mild conditions" *Phosphorus, Sulfur*, Vol. 178, 2019.

2005

16. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; Hajjami, M.; Sedaghat, M.; **2005** "Silica chromate as an oxidising agent for the chemoselective

- oxidation of alcohols and the oxidative deprotection of trimethylsilyl ethers” *Mendeleev Commun.*, 113.
17. Zolfigol, M. A.; **Ghorbani Choghamarani, A.**; Shahamirian, M.; Safaiee, M.; Mohammadpoor-Baltork, I.; Mallakpour, S.; Abdollahi-Alibeik, M.; **2005** “4-Phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the aromatization of 1,4-dihydropyridines under mild conditions” *Tetrahedron Lett.*, Vol. 46, 5581.

2006

18. Zolfigol, M. A.; Khazaei, A.; **Ghorbani Choghamarani, A.**; Rostami, A.; Hajjami, M.; **2006** “Acylation of alcohols catalyzed by using 1,3-dibromo-5,5-dimethylhydantoin or trichloroisocyanuric acid” *Catal. Commun.*, Vol. 7, 399.
19. Zolfigol, M. A.; Ghaemi, E.; Madrakian, E.; **Ghorbani Choghamarani, A.**; **2006** “1,3-Dihalo-5,5-dimethylhydantoin or citric acid/NaNO₂ as a heterogeneous system for the selective mononitration of phenols under mild conditions” *Mendeleev commun.*, 41.
20. Zolfigol, M. A.; Ghorbani-Vaghei, R.; Chehardoli, G.; **Ghorbani Choghamarani, A.**; Hosaini Yazdi, A.; **2006** “Simple, convenient and heterogeneous method for conversion of urazoles to triazolinediones using *N,N,N',N'*-tetrabromobenzene-1,3-disulfonylamide or trichloromelamine under mild and heterogeneous conditions” *Synthesis*, 1631.
21. Zolfigol, M. A.; Shirini, F.; **Ghorbani Choghamarani, A.**; **2006** “Trichloroisocyanuric acid/KBr as a catalytic system for the chemoselective oxidation of benzylic and secondary alcohols” *Synthesis*, 2043.
22. Zolfigol, M. A.; Bagherzadeh, M.; Niknam, K.; Shirini, F.; Mohammadpoor-Baltork, I.; **Ghorbani Choghamarani, A.**; Baghbanzadeh, M.; **2006** “Oxidation of 1,4-dihydropyridines under mild and heterogeneous conditions using solid acids” *J. Iran. Chem. Soc.*, Vol. 3, 73.
23. **Ghorbani Choghamarani, A.**; **2006** “Iodic acid (HIO₃)” *Synlett*, 2347.
24. Zolfigol, M. A.; Khazaei, A.; **Ghorbani-Choghamarani, A.**; Rostami, A.; **2006** “Microwave-assisted chemoselective regeneration of carbonyl compounds from oximes by silica chromate/wet SiO₂ under solvent-free conditions” *Phosphorus, Sulfur*, Vol. 181, 2453.

2007

25. Khazaei, A.; Zolfigol, M. A.; Rostami, A.; **Ghorbani Choghamarani, A.**; **2007**, “Trichloroisocyanuric acid (TCCA) as a mild and efficient catalyst for the trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) under heterogenous conditions” *Catal. Commun.*; Vol. 8, 543.
26. Zolfigol, M. A.; Bagherzadeh, M.; Mallakpour, S.; Chehardoli, G.; Kolvari, E.; **Ghorbani Choghamarani, A.**; Koukabi, N.; **2007**, “Mild and heterogeneous oxidation of urazoles to their corresponding triazolinediones via in situ generation Cl⁺ using silica sulfuric acid/KClO₃ or silica chloride/oxone system” *Catal. Commun.*; Vol. 8, 256.

27. Hudson, R. H. E.; **Ghorbani-Choghamarani A.**; 2007 "Selective fluorometric detection of guanosine-containing sequences by 6-phenylpyrrolocytidine in DNA" *Synlett*, 870.
28. Zolfigol, M. A.; Bagherzadeh, M.; Mallakpour, S.; Chehardoli, G.; **Ghorbani-Choghamarani, A.**; Koukabi, N.; Dehghanian, M.; Doroudgar, M.; 2007 "The first report on the catalytic oxidation of urazoles to their corresponding triazolinediones via in situ catalytic generation of Br⁺ using periodic acid or oxone[®]/KBr system" *J. Mol. Catal. A-Chem.*, Vol. 270, 219.
29. Hudson, R. H. E.; **Ghorbani-Choghamarani A.**; 2007 "Oligodeoxynucleotides incorporating structurally simple 5-alkynyl-2-deoxyuridines fluorometrically respond to hybridization" *Org. Biomol. Chem.* Vol. 5, 1845.
30. Zolfigol, M. A.; Salehi, P.; **Ghorbani-Choghamarani, A.**; Safaiee, M.; Shahamirian, M.; 2007 "Silica Chromate as novel oxidizing agent for the oxidation of 1,4-dihdropyridines" *Synthetic Commun.*, Vol. 37, 1817.
31. Zolfigol, M. A.; Niknam, K.; Bagherzadeh, M.; **Ghorbani Choghamarani, A.**; Koukabi, N.; Hajjami, M.; Kolvari, E.; 2007 "Tribromoisocyanuric acid (TBCA) and oxone[®]-MX systems as oxidizing agents: oxidative coupling of thiols to their corresponding disulfides under mild and heterogeneous conditions" *J. Chin. Chem. Soc.* Vol. 54, 1115.
32. Kolvari, E.; **Ghorbani-Choghamarani, A.**; Salehi, P.; Shirini, F.; Zolfigol, M. A.; 2007 "Application of N-halo reagents in organic synthesis" *J. Iran. Chem. Soc.* Vol. 4, 126.
33. Hudson, R. H. E.; **Ghorbani-Choghamarani A.**; 2007 "An improved 6-substituted pyrrolocytosine for selective fluorimetric detection of guanosine-containing sequences" *Nucleos Nucleot. Nucl.*, Vol. 26, 533.

2008

34. Zolfigol, M.A.; Amani, K.; Hajjami, M.; **Ghorbani-Choghamarani, A.** 2008 "Selective and Efficient Oxidation of Sulfides to Sulfoxides Using Ammonium Cerium(IV) Nitrate in the Presence of a Catalytic Amount of KBr or NaBr" *Monatsh. Chem.* Vol. 139, 895.
35. Zolfigol, M.A., Amani, K., **Ghorbani-Choghamarani, A.**, Hajjami, M., Ayazi-Nasrabadi, R., Jafari, S. 2008 "Chemo and homoselective catalytic oxidation of sulfides to sulfoxides with supported nitric acid on silica gel and poly vinyl pyrrolidone (PVP) catalyzed by KBr and/or NaBr" *Catal. Commun.* Vol. 9, 1739.
36. **Ghorbani-Choghamarani, A.**, Zolfigol, M.A., Salehi, P., Ghaemi, E., Madrakian, E., Nasr-Isfahani, H., Shahamirian, M. 2008 "An efficient procedure for the synthesis of hantzsch 1,4-dihydropyridines under mild conditions" *Acta Chim. Slov.* Vol. 55, 644.
37. **Ghorbani-Choghamarani, A.**, Zolfigol, M.A., Hajjami, M., Jafari, S. 2008 "Trimethylsilylation of hydroxyl group with 1,1,1,3,3,3-hexamethyldisilazane (HMDS) catalyzed by tribromomelamine (TBM)" *J. Chin. Chem. Soc.* Vol. 55, 1208.
38. **Ghorbani-Choghamarani, A.**, Goudarziafshar, H., Hajjami, M., Soltani, J. 2008 "Aluminium nitrate/silica sulfuric acid/bromide ion: As an effective and catalytic

oxidizing media for the selective oxidation of sulfides to sulfoxides” *J. Chin. Chem. Soc.* Vol. 55, 1191.

39. **Ghorbani-Choghamarani, A.**, Shiri, L., Zeinivand, J. **2008** “Efficient, catalytic and oxidative deoxygenation of aldoximes and ketoximes by ferric nitrate and catalytic amounts of bromide ion” *Bull. Korean Chem. Soc.* Vol. 29, 2496.

2009

40. **Ghorbani-Choghamarani, A.**, Hajjami, M., Goudarziafshar, H., Nikoorazm, M., Mallakpour, S., Sadeghizadeh, F., Azadi, G. **2009** “Catalytic oxidation of urazoles and bis-urazoles to their corresponding triazolinediones using aluminium nitrate and a catalytic amount of silica sulfuric acid” *Monatsh. Chem.* Vol. 140, 607.
41. Amani, K., Zolfigol, M.A., **Ghorbani-Choghamarani, A.**, Hajjami, M. **2009** “Ferric nitrate in the presence of catalytic amounts of KBr or NaBr: An efficient and homoselective catalytic media for the selective oxidation of sulfides to sulfoxides” *Monatsh. Chem.* Vol. 140, 65.
42. Shiri, L., **Ghorbani-Choghamarani, A.** **2009** “Chemoselective oxidation of benzylic alcohols and hydroquinones with bis-(2,4,6-trimethylpyridinium) dichromate (BTMPDC) as an efficient and new oxidizing agent” *Phosphorus, Sulfur and Silicon and the Related Elements* Vol. 184, 492.
43. Habibi, D., Zolfigol, M.A., Safaiee, M., Shamsian, A., **Ghorbani-Choghamarani, A.** **2009** “Catalytic oxidation of sulfides to sulfoxides using sodium perborate and/or sodium percarbonate and silica sulfuric acid in the presence of KBr” *Catal. Commun.* Vol. 10, 1257.
44. **Ghorbani-Choghamarani, A.**, Goudarziafshar, H., Rezaee, S., Mortazavi, S.S. **2009** “Chemoselective N-nitrosation of secondary amines under heterogeneous and mild conditions via in situ generation of HNO_2 ” *Chin. Chem. Lett.* Vol. 20, 415.
45. **Ghorbani-Choghamarani, A.**, Zolfigol, M.A., Rastegar, T., **2009** “Chemoselective Oxidation of Sulfides with Ammonium Nitrate and Silica Sulfuric Acid Catalyzed by KBr” *Chin. J. Catal.* Vol. 30, 273.
46. **Ghorbani-Choghamarani, A.**, Nikoorazm, M., Goudarziafshar, H., Shiri, L., Chenani, Z., **2009** “Oxidation of Hantzsch 1,4-Dihydropyridines Using Supported Nitric Acid on Silica Gel and Poly Vinyl Pyrrolidone (PVP) under Mild and Heterogeneous Conditions” *Bull. Korean Chem. Soc.* Vol. 30, 972.
47. **Ghorbani-Choghamarani, A.**, Nikoorazm, M., Goudarziafshar, H., Tahmasbi, B., “An Efficient and New Method on the Oxidative Coupling of Thiols under Mild and Heterogeneous Conditions” **2009** *Bull. Korean Chem. Soc.* Vol. 30, 1.
48. **Ghorbani-Choghamarani, A.**, Rezaei, S., **2009** “An Efficient Catalytic Procedure for the Selective Oxidation of Sulfides to Sulfoxides by Citric Acid/ $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ /MBr under Mild and Heterogeneous Conditions” *J. Chin. Chem. Soc.* Vol. 56, 251.
49. **Ghorbani-Choghamarani, A.**, Amani, K., Zolfigol, M.A., Hajjami, M., Ayazi-Nasrabadi, R., **2009** “1,3-Dichloro-5,5-dimethylhydantoin (DCH) and Trichloromelamine (TCM) as Efficient Catalysts for the Chemoselective

- Trimethylsilylation of Hydroxyl Group with 1,1,1,3,3,3-Hexamethyldisilazane (HMDS) under Mild Conditions” *J. Chin. Chem. Soc.* Vol. 56, 255.
50. **Ghorbani-Choghamarani, A.**, Goudarziafshar, H., Nikoorazm, M., Yousefi, S., **2009** “Efficient Oxidation of Sulfides to the Sulfoxides Using Zirconium (IV) Chloride, Sodium Nitrite and Catalytic Amounts of Bromide Ion as a Novel Oxidizing Media” *Lett. Org. Chem.* Vol. 6, 535.
51. Chehardoli, G., Zolfigol, M.A., Faal-Rastegar, T., Mallakpour, S., **Ghorbani-Choghamarani, A.**, **2009** “1,3,5-Triazine-2,4,6-triyltrisulfamic acid (TTSA): A new organic solid acid for the nitrosation of secondary amines and oxidation of urazoles in the presence of NaNO₂ under mild and heterogeneous conditions” *J. Chem. Sci.*, Vol. 121, 1.
52. Shiri, L., **Ghorbani-Choghamarani, A.**, **2009** “2,4,6-Trimethylpyridinium chlorochromate (TMPCC) as an efficient and novel oxidizing agent for the oxidation of alcohols to the corresponding carbonyl compounds” *J. Chil. Chem. Soc.* Vol. 54, 191.
53. Goudarziafshar, H., **Ghorbani-Choghamarani, A.**, Nikoorazm, M., Naserifar, Z. **2009** “A novel catalytic method for the oxidation of sulfides to sulfoxides with silica sulfuric acid and sodium nitrite in the presence of KBr and/or NaBr as catalyst” *J. Chin. Chem.* Vol. 27, 1801.
54. **Ghorbani-Choghamarani, A.**, Goudarziafshar, H., Nikoorazm, M., Yousefi, S. **2009** “Aluminum nitrate and silica sulfuric acid as an efficient nitrating media for the mononitration of phenols under mild and heterogeneous conditions” *Can. J. Chem.* Vol. 87, 1144.
55. **Ghorbani-Choghamarani, A.**, Chenani, Z., Mallakpour, S. **2009** “Supported nitric acid on silica gel and poly vinyl pyrrolidone (PVP) as an efficient oxidizing agent for the oxidation of urazoles and bis-urazoles under mild and heterogeneous conditions” *Synth. Commun.* Vol. 39, 4264.

2010

56. **Ghorbani-Choghamarani, A.**, Zolfigol, M.A., Ayazi-Nasrabadi, R., **2010** “Metal-free catalytic oxidation of sulfides to sulfoxides with ammonium nitrate, ammonium hydrogen sulfate and ammonium bromide as catalyst. *J. Brazil. Chem. Soc.* Vol. 21, 33.
57. **Ghorbani-Choghamarani, A.**, Zolfigol, M.A., Azadbakht, T., **2010** “1,2-Dipyridiniumditribromide-ethane (DPTBE) as a new oxidizing agent for the chemoselective oxidation of sulfides to the sulfoxides” *Phosphorus, Sulfur and Silicon and the Related Elements* Vol. 185, 573.
58. **Ghorbani-Choghamarani, A.**, Zeinivand, J., **2010** “Catalytic oxidation of sulfides to sulfoxides using aluminium hydrogen sulfate, sodium nitrite and catalytic amounts of metal bromide” *J. Iran. Chem. Soc.* Vol. 7, 190.
59. **Ghorbani-Choghamarani, A.**, Zeinivand, J., **2010** “Aromatization of Hantzsch 1,4-dihydropyridines with Al(NO₃)₃.9H₂O and/or Fe(NO₃)₃.9H₂O in the presence of silica sulfuric acid under mild and heterogeneous conditions” *Synth. Commun.* Vol. 40, 2457.

60. Nikoorazm, M., **Ghorbani-Choghamarani, A., 2010** “ Goudarziafshar, H., Mallakpour, S., Green and Metal-free Catalytic Oxidation of Urazoles into Triazolinediones by Guanidinium Nitrate and Catalytic Amounts of Silica Sulfuric Acid” *BULLETIN OF THE KOREAN CHEMICAL SOCIETY*, Vol. 31, 2389.
61. **Ghorbani-Choghamarani, A ., Zolfigol, MA ., Hajjami, M ., Darvishi, K ., Gholamnia, L ., 2010** “PROTECTION OF HYDROXY GROUPS AS TRIMETHYLSILYL ETHERS USING 1,1,1,3,3,3-HEXAMETHYLDISILAZANE (HMDS) CATALYZED BY POLY(4-VINYLPYRIDINIUM TRIBROMIDE)COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS” Vol. 75, 607.
62. **Ghorbani-Choghamarani, A., 2010** “ Zolfigol, MA., Hajjami, M., Mallakpour, S., Metal-Free Catalytic Oxidation of Urazoles under Mild and Heterogeneous Conditions via Combination of Ammonium Nitrate and Catalytic Amounts of Silica Sulfuric Acid” *JOURNAL OF THE IRANIAN CHEMICAL SOCIETY* , Vol. 7, 834.
63. **Ghorbani-Choghamarani, A ., Sardari, S ., 2010** “Catalytic Oxidation of Sulfides to Sulfoxides by Poly(4-vinyl pyridinium nitrate), Silica Sulfuric Acid and Ammonium Bromide as a Catalyst” *CHINESE JOURNAL OF CATALYSIS*, Vol. 31, 1347.
64. **Ghorbani-Choghamarani, A., Cheraghi-Fathabad, N., 2010** “Chemoselective and Catalytic Trimethylsilylation of Alcohols and Phenols by 1,1,1,3,3,3-Hexamethyldisilazane and Catalytic Amounts of PhMe(3)N(+)₃Br(3)(-) ” *CHINESE JOURNAL OF CATALYSIS*, Vol. 31, 1103.
65. **Ghorbani-Choghamarani, A., Zeinivand, J., 2010** “A novel catalytic method for the regeneration of carbonyl compounds from oximes using aluminum nitrate and NaBr as catalyst” *CHINESE CHEMICAL LETTERS*, Vol. 21, 1083.
66. **Ghorbani-Choghamarani, A., Zeinivand, J., Mallakpour, S., 2010** “Catalytic and Efficient Oxidation of Urazole Derivatives to Their Corresponding Triazolinediones Using Ammonium Nitrate and Metal Hydrogen Sulfate as Catalyst” *CHINESE JOURNAL OF CHEMISTRY*, Vol. 28, 1189.
67. **Ghorbani-Choghamarani, A., Zolfigol, MA., Hajjami, M., Rastgoo, S., Mallakpour, S., 2010** “Metal-Free Oxidation of Urazole and 1,4-Dihydropyridine Derivatives Under Mild and Heterogeneous Conditions by Nitro Urea, Derived from Urea Nitrate, and Silica Sulfuric Acid” *LETTERS IN ORGANIC CHEMISTRY*, Vol. 7, 249.
68. **Ghorbani-Choghamarani, A., Zeinivand, J., 2010** “Aromatization of Hantzsch 1,4-Dihydropyridines with Al(NO₃)₃ center dot 9H₂O and/or Fe(NO₃)₃ center dot 9H₂O in the Presence of Silica Sulfuric Acid Under Mild and Heterogeneous Conditions” *SYNTHETIC COMMUNICATIONS*, Vol. 16, 2457.
69. **Ghorbani-Choghamarani, A., Zolfigol, MA., Ayazi-Nasrabadi, R., 2010** “Metal-Free Catalytic Oxidation of Sulfides to Sulfoxides with Ammonium Nitrate, Ammonium Hydrogen Sulfate and Ammonium Bromide as Catalyst” *JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY*, Vol. 21, 33.
70. **Ghorbani-Choghamarani, A., Zolfigol, MA., Azadbakht, T., 2010** “1,2-Dipyridiniumditribromide-ethane (DPTBE) as a New Oxidizing Agent for the

Chemoselective Oxidation of Sulfides to the Sulfoxides” PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, Vol. 185, 573.

71. **Ghorbani-Choghamarani, A.**, Zeinivand, J., **2010** “Catalytic Oxidation of Sulfides to Sulfoxides Using Aluminium Hydrogen Sulfate, Sodium Nitrite and Catalytic Amounts of Metal Bromide” JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, Vol. 7, 190.

2011

72. **Ghorbani-Choghamarani, A.**, Norouzi, M., **2011** “Preparation of Alkyl Formates from Corresponding Alcohols using Ethyl Formate Catalyzed by Poly(4-vinylpyridinium tribromide) under Neutral and Solvent-Free Conditions” BULLETIN OF THE KOREAN CHEMICAL SOCIETY, Vol. 32, 1399.
73. **Ghorbani-Choghamarani, A.**, Norouzi, M., **2011** “Protection of Hydroxyl Groups as a Trimethylsilyl Ether by 1,1,1,3,3,3-Hexamethyldisilazane Promoted by Aspartic Acid as an Efficient Organocatalyst” CHINESE JOURNAL OF CATALYSIS, Vol. 32, 595.
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