



## **Ali Keivanloo**

Faculty of Chemistry, Shahrood University of Technology,  
Shahrood, IRAN

### **POSITION**

**Professor of Organic Chemistry**

### **EDUCATION**

**Bsc:** 1990, Chemistry, Department of Chemistry, Kashan University, Kashan, IRAN

**Msc:** 1995, Organic Chemistry, Department of Chemistry, Ferdowsi University of  
Mashhad, Mashhad, IRAN

**Msc Thesis:** Synthesis of New Sulfonamides as Potential of Anti Tumor Agents

**PhD:** 2002, Organic Chemistry, Department of Chemistry, Ferdowsi University of  
Mashhad, Mashhad, IRAN

**PhD Thesis:** Synthesis of New Derivatives of “Thiazolopyrimidine, Thiazolotriazine,  
Thiazolotriazole, and Thiazolobenzimidazole” Using Pd-Cu Catalyst

### **TEACHING EXPERIENCE**

#### **Graduate:**

1. New Topics in Organic Chemistry (PhD)
2. Reactive Intermediates (PhD)
3. Advanced Heterocyclic Chemistry (PhD)

4. Advanced Physical Organic Chemistry
5. Advanced Spectroscopy of Organic Compounds
6. Synthesis of Organic Compounds
7. Heterocyclic Chemistry 1

#### **Undergraduate:**

1. Organic Chemistry I & II & III
2. Physical Organic Chemistry
3. Separation and Identification of Organic Chemicals
4. Application of Spectroscopy in Organic Chemistry
5. General Chemistry

#### **RESEARCH EXPERIENCE**

1. Organic Synthesis
2. Organometallic Chemistry and Coupling Reactions
3. Heterocyclic Compounds
4. Methodology and Catalyst

#### **AWARDS**

1. Tetrahedron Letters Most Cited Paper 2005-2008 Award
2. Journal of Organometallic Chemistry Highly Cited Research Paper 2013 Award
3. One of Best Researchers in Shahrood University of Technology

#### **ARTICLES**

1. Multi-component Synthesis of 1, 2, 3-Triazoles from Carboxylic Acids, 3-Bromoprop-1-yne and Azides Using Click Chemistry 2021  
**A Keivanloo\***, H Eshraghi, M Bakherad, M Fakharian  
 Organic Preparations and Procedures International 2021, 53 (5), 431-440
  
2. Synthesis of hydantoin alkynes through palladium-catalyzed reaction, antibacterial evaluation, and molecular docking studies 2021  
**A Keivanloo\***, S Lashkari, S Sepehri, M Bakherad, S Abbaspour  
 Journal of the Chinese Chemical Society 2021, 68 (7), 1317-1327
  
3. One-pot sequential coupling reactions as a new practical protocol for the synthesis of unsymmetrical 2, 3-diethynyl quinoxalines and 4-ethynyl-substituted pyrrolo [1, 2-a ... 2021  
**A Keivanloo\***, S Lashkari, M Bakherad, M Fakharian, S Abbaspour  
 Molecular diversity 2021, 25 (2), 981-993
  
4. Synthesis of pyrano [2, 3-d] pyrimidines and pyrido [2, 3-d] pyrimidines in the magnetized deionized water based on UV-visible study 2021  
 M Bakherad, G Bagherian, A Rezaeifard, F Mosayebi, B Shokoohi, **A Keivanloo**  
 Journal of the Iranian Chemical Society 2021, 18 (4), 839-852
  
5. Synthesis and UV-Visible Study of Polyhydroquinolines and 1, 4-Dihydropyridines in Magnetized Distilled Water 2020  
 M Bakherad, G Bagherian, F Mosayebi, A Rezaeifard, **A Keivanloo**  
 Polycyclic Aromatic Compounds, 2020, 1-22
  
6. Greener synthesis of 3, 4-disubstituted isoxazole-5 (4H)-ones in a deep eutectic solvent 2020  
 H Atharifar, **A Keivanloo\***, B Maleki  
 Organic Preparations and Procedures International 2020, 52 (6), 517-523
  
7. Synthesis, Antibacterial Activity and Molecular Docking Study of a Series of 1, 3-Oxazole-Quinoxaline Amine Hybrids 2020  
**A Keivanloo\***, S Abbaspour, S Sepehri, M Bakherad  
 Polycyclic Aromatic Compounds, 2020, 1-14
  
8. Design, Synthesis, Antibacterial Evaluation and Molecular Docking Study of New 3-Aminoquinoxaline-2-alkynyl Carboxylate Esters 2020  
 S Abbaspour, **A Keivanloo\***, M Bakherad, S Sepehri  
 ChemistrySelect 2020, 5 (28), 8701-8706
  
9. Ligand-assisted click reaction for the synthesis of new hybrid compounds based on 1, 2, 3-triazoles and 5, 5-diphenylimidazolidine-2, 4-dione and evaluation of their ... 2020  
**A Keivanloo\***, S Lashkari, S Sepehri, M Bakherad, S Abbaspour  
 Monatshefte für Chemie-Chemical Monthly 2020, 151 (6), 935-943

10. Click Synthesis of 1,2,3-Triazoles-Linked 1,2,4-Triazino[5,6-b]indole, Antibacterial Activities and Molecular Docking Studies 2020  
**A Keivanloo\***, S Sepehri, M Bakherad, M Eskandari  
 ChemistrySelect 2020, 5 (13), 4091-4098
11. Three-component synthesis of 1, 2, 3-triazoles in the presence of PVC-supported triazole-copper complex by click reaction 2020  
**A Keivanloo\***, M Gholizadeh, E Rezaii  
 Applied Chemistry 2020, 15 (54), 71-84
12. 1, 2, 3-Triazoles based 3-substituted 2-thioquinoxalines: Synthesis, anti-bacterial activities, and molecular docking studies 2020  
**A Keivanloo\***, M Fakharian, S Sepehri  
 Journal of Molecular Structure 2020, 1202, 127262
13. Sodium 4-amino-5-hydroxy-7-sulfonaphthalene-2-sulfonate an efficient ligand for click reaction in water: Synthesis of 1, 2, 3-triazole pharmacophore linked-quinazolinone scaffold 2020  
**A Keivanloo\***, M Bakherad, L Mokhtarei  
 Journal of Heterocyclic Chemistry 2020, 57, 859-866
14. Catalyst-free, a Green, and Efficient Protocol for the Synthesis of 1, 8-dioxooctahydroxanthenes in Magnetized Water 2019  
 M Bakherad, **A Keivanloo**, A Hossein Amin, A Farkhondeh  
 Journal of the Mexican Chemical Society 63 (4), 199-207
15. SBA-15-supported-dithizone-copper (I): An efficient heterogeneous catalyst for synthesis of 1, 4-disubstituted 1, 2, 3-triazoles in water 2019  
 A Kakavand Ghalenoei, M Bakherad, **A Keivanloo**  
 Iranian Journal of Catalysis 2019, 9 (4), 293-303
16. Phthalocyanine Complex Supported on Polysilsesquioxane: A New and Efficient Catalyst for Oxidation of Benzyl Alcohol 2019  
 M Mirzaee, M Faghani, **A Keivanloo**  
 Applied Chemistry 2019, 14 (52), 135-148
17. Salophen copper (II) complex-assisted click reactions for fast synthesis of 1, 2, 3-triazoles based on 1,4-naphthoquinone scaffold, anti-bacterial evaluation and molecular docking study 2019  
 S Abbaspour, **A Keivanloo\***, M Bakherad, S Sepehri  
 Chemistry & biodiversity, 2019, 9, 16, e180041
18. Synthesis of Thiazolo [3, 2-b][1, 2, 4] triazoles through Pd-Catalyzed Copper-Free Sonogashira Coupling Reaction 2019  
 M Bakherad, A Kakav Ghalenoei, **A Keivanloo**  
 ChemistrySelect, 2019, 4 (31), 9238-9240
19. Catalyst-free green synthesis of tetrahydro-benzo[b]pyrans in magnetized water: 2019

- experimental aspects and molecular dynamics simulation  
M Bakherad, F Moosavi, **A Keivanloo**, R Doosti, E Moradian, M Armaghan  
Research on Chemical Intermediates 2019, 45 (5), 2981-2997
20. New Pd-Mediated Cascade Reactions for Synthesis of Novel Functionalized 1, 3-Oxazole-Linked Quinoxaline Amines 2019  
**A Keivanloo\***, S Abbaspour, M Bakherad, B Notash  
ChemistrySelect 2019, 4 (4), 1366-1370
21. Novel one-pot synthesis of 1-alkyl-2-(aryloxy)methyl-1*H*-pyrrolo[2,3-*b*]quinoxalines via copper-free Sonogashira coupling reaction 2019  
**A Keivanloo\***, M Fakharian, MR Nabid, AH Amin  
Journal of the Iranian Chemical Society 2019, 16 (1), 151-160
22. Ligand-free, copper-catalyzed, one-pot, three-component synthesis of novel 1, 2, 3-triazole-linked indoles in magnetized water 2019  
M Bakherad, **A Keivanloo**, Z Bakherad, Z Toozandejani, M Mahdavi  
Journal of the Chinese Chemical Society 2019, 66, 674-682
23. Synthesis of 1, 4-Disubstituted 1, 2, 3-Triazoles via 1, 3-Dipolar Cycloaddition/C-N Coupling of Propargyl Alcohols/amines and Aryl Azides 2018  
M Bakherad, AK Ghalenoei, **A Keivanloo**  
Journal of Heterocyclic Chemistry 2018, 55 (12), 2683-2692
24. Practical and efficient synthesis of tetrahydrobenzo[*b*]pyran using caffeine supported on silica as an ionic liquid solid acid catalyst 2018  
M Bakherad, **A Keivanloo**, E Moradian, AH Amin, R Doosti, M Armaghan  
Journal of the Iranian Chemical Society 2018, 15 (12), 2811-2819
25. One-pot synthesis of biologically active 1,2,3-trisubstituted pyrrolo[2,3-*b*]quinoxalines through a palladium-catalyzed reaction with internal alkyne moieties 2018  
**A Keivanloo\***, T Besharati-Seidani, B Kaboudin, A Yoshida, T Yokomatsu  
Molecular diversity 2018, 22 (4), 879-891
26. Synthesis of New Derivatives of 1, 2, 3-Triazole-Linked Phthalazine-1, 4-dione in Water: Experimental Aspects and Molecular Docking Calculations 2018  
M Bakherad, S Karami, **A Keivanloo**, S Sepehri  
ChemistrySelect 2018, 3 (39), 11042-11047
27. Preparation of radiopaque polyurethane-urea/graphene oxide nanocomposite using 4-(4-iodophenyl)-1, 2, 4-triazolidine-3, 5-dione 2018  
S Shiralizadeh, H Nasr-Isfahani, **A Keivanloo**, M Bakherad, B Yahyaei, ...  
Journal of materials science 2018, 53 (14), 9896-9912
28. Regioselective synthesis of 2, 3-disubstituted 1-alkyl pyrrolo [2, 3-*b*] quinoxalines through palladium-catalyzed Heck reaction of chalcones and evaluation of their anti ... 2018  
T Besharati-Seidani, **A Keivanloo\***, B Kaboudin, A Yoshida, T Yokomatsu

Tetrahedron 2018, 74 (19), 2350-2358

29. Using Calcium Carbide as an Acetylene Source for Cascade Synthesis of Pyrrolo[2,3-*b*]quinoxalines via Copper-Free *Sonogashira* Coupling Reaction 2018  
M Fakharian, **A Keivanloo\***, MR Nabid  
Helvetica Chimica Acta 2018, 101 (4), e1800004
30. PVC-supported ethylenediamine-copper (II) complex: a heterogeneous, efficient, and eco-friendly catalyst for multi-component synthesis of 1, 2, 3-triazoles by reaction of ... 2018  
**A Keivanloo\***, M Bakherad, M Khosrojerdi, AH Amin  
Research on Chemical Intermediates 44 (4), 2571-2583
31. *Sonogashira* Reaction: Synthesis of Novel Derivatives of 3-Aryl-Substituted 6-Chloroimidazo [2, 1-*a*] phthalazines Catalyzed by Pd-Cu in Water 2018  
M Bakherad, S Karami, **A Keivanloo**  
ChemistrySelect 2018, 3 (9), 2435-2440
32. Single and binary catalyst systems based on nickel and palladium in polymerization of ethylene 2018  
M Kimiaghalam, HN Isfahani, GH Zohuri, **A Keivanloo**  
Applied Organometallic Chemistry 2018, 32 (3), e4153
33. One-pot palladium-catalyzed synthesis of functionalized 10H-pyrido [1, 2-*a*] quinoxalin-10-ones under copper-free conditions 2018  
A Soozani, **A Keivanloo\***, M Bakherad  
Tetrahedron 2018, 74 (1), 150-156
34. Synthesis and Antibacterial Evaluation of 1, 2, 3-Triazole-based Quinazolines Using Click Chemistry in the Presence of Salophen Schiff Base Ligand 2018  
SS Kazemi, **A Keivanloo\***, H Nasr-Isfahani, AH Amin  
Journal of Heterocyclic Chemistry 2018, 55, 651-1657
35. Rapid Synthesis of 2-Alkanol-substituted Pyrrolo [2, 3-*b*] quinoxalines from Propargylic Alcohols via Copper-free *Sonogashira* Coupling Reaction at Room Temperature 2018  
M Fakharian, **A Keivanloo\***, MR Nabid  
Journal of Heterocyclic Chemistry 2018, 55, 1331-1338
36. Metal- and catalyst-free, one-pot, three-component synthesis of propargylamines in magnetized water: experimental aspects and molecular dynamics simulation 2018  
M Bakherad, F Moosavi, R Doosti, **A Keivanloo**, M Gholizadeh  
New Journal of Chemistry 2018, 42 (6), 4559-4566
37. A one-pot synthetic approach for the construction of a thiazolo [3, 2-*a*] benzimidazole-linked quinazoline scaffold via palladium-catalyzed reactions 2018  
**A Keivanloo\***, A Soozani, M Bakherad, AH Amin  
Organic Chemistry Frontiers 2018, 5 (7), 1135-1142
38. A catalyst-free and green method for synthesis of 9-substituted-9*H*- 2018

- diuracilopyrans in magnetized water: experimental aspects and molecular dynamics simulation  
M Bakherad, Z Moosavi-Tekyeh, **A Keivanloo**, M Gholizadeh, ...  
Research on Chemical Intermediates 2018, 44 (1), 373-387
39. Rapid, green, and catalyst-free one-pot three-component syntheses of 5-substituted 1H-tetrazoles in magnetized water 2017  
M Bakherad, R Doosti, **A Keivanloo**, M Gholizadeh, K Jadidi  
Journal of the Iranian Chemical Society 2017, 14 (12), 2591-2597
40. Radiopaque nanocomposites based on biocompatible iodinated N-phenyl amide-modified methyl methacrylate/acrylic acid copolymer 2017  
S Shiralizadeh, H Nasr-Isfahani, **A Keivanloo**, M Bakherad  
Journal of Polymer Research 2017, 24 (11), 186
41. One-pot Synthesis of Quinoxaline Chalcones from Commercially Available Calcium Carbide Through Palladium-Catalyzed Coupling Reactions 2017  
A Soozani, **A Keivanloo\***, M Bakherad  
ChemistrySelect, 2017, 20172 (30), 9701-9705
42. Use of ligand-assisted click reactions for the rapid synthesis of novel 1, 2, 3-triazole pharmacophore-based 1, 2, 4-triazines and their benzo-fused analogues 2017  
**A Keivanloo\***, M Bakherad, M Lotfi  
Tetrahedron, 2017, 2017 73 (40), 5872-5882
43. A New, Simple, Catalyst-free Method for the Synthesis of Pyrazolopyranopyrimidines in Magnetized Water 2017  
M Bakherad, R Doosti, **A Keivanloo**, M Gholizadeh, A H Amin  
Letters in Organic Chemistry 2017, 14 (7), 510-516
44. Synthesis of polyethylene and PE/MWCNT composite using a spherical bulky  $\alpha$ -diimine Pd (II) catalyst 2017  
M Kimiaghalam, HN Isfahani, G Zohuri, **A Keivanloo**  
Inorganica Chimica Acta 2017, 464, 99-107
45. Development of an unexpected reaction pathway for the synthesis of 1,2,4-trisubstituted pyrrolo[1,2-*a*]quinoxalines through palladium-catalyzed cascade reactions 2017  
**A Keivanloo\***, A Soozani, M Bakherad, M Mirzaee, HA Rudbari, G Bruno  
Tetrahedron 2017, 73 (12), 1633-1639
46. Efficient one-pot synthesis of new 1-amino substituted pyrrolo [1, 2-*a*] quinoline-4-carboxylate esters via copper-free Sonogashira coupling reactions 2017  
**A Keivanloo\***, SS Kazemi, H Nasr-Isfahani, A Bamoniri  
Molecular diversity 2017, 21 (1), 29-36
47. Using magnetized water as a solvent for a green, catalyst-free, and efficient protocol for the synthesis of pyrano [2, 3-*c*] pyrazoles and pyrano [4', 3': 5, 6] pyrazolo [2, 3 ... 2017

M Bakherad, **A Keivanloo**, M Gholizadeh, R Doosti, M Javanmardi  
Research on Chemical Intermediates 2017, 43 (2), 1013-1029

48. A rapid, easy, and efficient method for synthesis of 4, 4'-(arylmethylene)-bis-(1H-pyrazol-5-ols), catalyzed by boehmite nanoparticles 2017  
M BAKHERAD, **ALI KEIVANLOO**, AH AMIN, R DOOSTI, Z AGHAYAN  
JOURNAL OF APPLIED CHEMISTRY 2017, 11 (41), 31-37
49. Novel multi-component synthesis of 1, 4-disubstituted pyrrolo [1, 2-a] quinoxalines through palladium-catalyzed coupling reaction/hetero-annulation in water 2016  
**A Keivanloo\***, SS Kazemi, H Nasr-Isfahani, A Bamoniri  
Tetrahedron 2016, 72 (41), 6536-6542
50. Pd-catalyzed coupling reaction of 6-hydroxy-2-(prop-2-yn-1-ylsulfanyl) pyrimidin-4 (1H)-one with aryl iodides: efficient syntheses of new 3-benzylthiazolo [3, 2-a] pyrimidinones 2016  
**A Keivanloo\***, M Bakherad, T Shahani, AH Amin  
Chemistry of Heterocyclic Compounds 2016, 52 (10), 836-839
51. Efficient synthesis of novel 1, 2, 3-triazole-linked quinoxaline scaffold via copper-catalyzed click reactions 2016  
**A Keivanloo\***, M Bakherad, F Abbasi, T Besharati-Seidani, AH Amin  
RSC Advances 2016, 6 (107), 105433-105441
52. Mono-and triiodophenyl isocyanate as radiopacifying agents for methacrylate-based copolymers; biocompatibility and non-toxicity 2016  
S Shiralizadeh, H Nasr-Isfahani, **A Keivanloo**, M Bakherad  
RSC Advances 2016, 6 (111), 110400-110408
53. Synthesis of novel 1, 5-disubstituted pyrrolo [1, 2-a] quinazolines and their evaluation for anti-bacterial and anti-oxidant activities 2016  
SS Kazemi, **A Keivanloo\***, H Nasr-Isfahani, A Bamoniri  
RSC Advances 2016, 6 (95), 92663-92669
54. Efficient synthesis of 2-phenyl-3-substituted furo/thieno [2, 3-b] quinoxalines via Sonogashira coupling reaction followed by iodocyclization and subsequent palladium-catalyzed ... 2016  
T Besharati-Seidani, **A Keivanloo\***, B Kaboudin, T Yokomatsu  
RSC Advances 2016, 6 (87), 83901-83908
55. Synthesis of 3, 5-disubstituted-1H-pyrazoles from acid chlorides, alkynes, and hydrazine in the presence of silica-supported-zinc bromide 2015  
**A Keivanloo\***, M Bakherad, S Samangoei  
Journal of Chemical Research 2015, 39 (8), 484-486
56. A HIGHLY EFFICIENT GREEN SYNTHESIS OF 1H-PYRAZOLO [1, 2-B] PHTHALAZINE-5, 10-DIONES CATALYZED BY BOEHMITE NANOPARTICLES 2015  
M BAKHERAD, **ALI KEIVANLOO**, AH AMIN, A HADI



Journal of Applied Chemical Science International, 2015, 71-76

57. Synthesis of Pyrrolo[2,3-*b*]pyrazines Through Sonogashira Coupling Reaction of 5,6-dichloropyrazine-2,3-dicarbonitrile with Hydrazine, Phenylacetylene and ... 2014  
M Bakherad, **A Keivanloo**, M Omidian, S Samangoeei  
Journal of Chemical Research 2014, 38 (12), 762-764
58. One-Pot Regioselective Synthesis of 5-Amino-3-Benzyl-7 H-[1, 3] Thiazolo [3, 2-A] Pyrimidin-7-Ones via Sonogashira Coupling Reaction 2014  
**A Keivanloo\***, M Bakherad, M Rajaei  
Phosphorus, Sulfur, and Silicon and the Related Elements 2014, 189 (11), 1656-1663
59. Copper-Free Sonogashira Coupling Reaction Catalyzed by PVC-Supported Triazine Palladium (II) Complex Under Aerobic Conditions 2014  
M Bakherad, **A Keivanloo**, A Hadi, M Siavoshi  
Asian Journal of Organic Chemistry 2015, 3 (11), 1189-1192
60. Application of 3-aryl-4 (5)-arylimidazols as efficient ligands in Pd-catalyzed Heck reactions 2014  
M Amini, SM Amini, B Eftekhari-Sis, **A Keivanloo**  
Turkish Journal of Chemistry 2014, 38 (4), 547-552
61. Boehmite nanoparticle catalyst for the one-pot multicomponent synthesis of 3, 4-dihydropyrimidin-2-(1H)-ones and thiones under solvent-free conditions 2014  
**A Keivanloo\***, M Mirzaee, M Bakherad, A Soozani  
Chinese Journal of Catalysis 2015, 35 (3), 362-367
62. Poly (vinyl chloride)-supported Pd (II) complex as an efficient catalyst for Heck and Cu-free Sonogashira reactions under aerobic conditions 2014  
M Bakherad, **A Keivanloo**, S Samangoeei  
Chinese Journal of Catalysis 2014, 35 (3), 324-328
63. Three-component synthesis of imidazo [1, 2-c] pyrimidines using silica sulfuric acid (SSA) 2014  
M Bakherad, **A Keivanloo**, M Siavashi, M Omidian  
Chinese Chemical Letters 2014, 25 (1), 149-151
64. Copper-and solvent-free Sonogashira reaction catalyzed by polyvinyl chloride-supported palladium (II) triazole complex 2013  
M Bakherad, **A Keivanloo**, B Bahramian, M Siavoshi  
Letters in Organic Chemistry 2013, 10 (10), 758-763
65. Boehmite nanoparticles, an efficient green catalyst for the multi-component synthesis of highly substituted imidazoles 2013  
**A Keivanloo\***, M Bakherad, E Imanifar, M Mirzaee  
Applied Catalysis A: General 2013, 467, 291-300
66. A phenyldithiocarbazate-functionalized polyvinyl chloride resin-supported Pd (II) complex as an effective catalyst for solvent-and copper-free Sonogashira reactions under ... 2013

M Bakherad, **A Keivanloo**, S Samangoeei, M Omidian  
Journal of Organometallic Chemistry 2013, 740, 78-82

67. Novel one-pot access to 2-formyl/acetyl-1-substituted pyrrolo [2, 3-b] quinoxalines under Sonogashira reaction conditions 2013  
**A Keivanloo\***, M Bakherad, M Rahmani, A Rahimi  
Monatshefte für Chemie-Chemical Monthly 2013, 144 (6), 859-863
68. One-pot synthesis of 4, 5-disubstituted 1, 2, 3-(NH)-triazoles by silica supported-zinc bromide in the aerobic condition 2013  
**A Keivanloo\***, M Bakherad, SAN Taheri, S Samangoeei  
Comptes Rendus Chimie 2013, 16 (3), 239-243
69. Suzuki, Heck, and copper-free Sonogashira reactions catalyzed by 4-amino-5-methyl-3-thio-1, 2, 4-triazole-functionalized polystyrene resin-supported Pd (II) under aerobic ... 2013  
M Bakherad, **A Keivanloo**, B Bahramian, S Jajarmi  
Journal of Organometallic Chemistry 2013, 724, 206-212
70. Phosphine-free polystyrene-supported palladium (II) complex as an efficient catalyst for the Heck and Suzuki coupling reactions in water 2012  
M Bakherad, **A Keivanloo**, AH Amin, S Jajarmi  
Comptes Rendus Chimie 2012, 15 (11-12), 945-949
71. Solvent-free Heck and copper-free Sonogashira cross-coupling reactions catalyzed by a polystyrene-anchored Pd (II) phenyldithiocarbazate complex 2012  
M Bakherad, **A Keivanloo**, S Samangoeei  
Tetrahedron Letters 2012, 53 (43), 5773-5776
72. Highly efficient synthesis of 5, 6-disubstituted-5H-pyrrolo [2, 3-b] pyrazine-2, 3-dicarbonitriles through a one-pot palladium-catalyzed coupling reaction/cyclization in water 2012  
**A Keivanloo\***, M Bakherad, H Nasr-Isfahani, S Esmaily  
Tetrahedron Letters 2012, 53 (25), 3126-3130
73. Synthesis of 1-aryl-substituted-4-chloroimidazo [1, 2-a] quinoxalines catalyzed by PdCl<sub>2</sub> in water 2012  
M Bakherad, **A Keivanloo**, S Samangoeei  
Tetrahedron Letters 2012, 53 (12), 1447-1449
74. Synthesis of pyrrolo [2, 3-b] quinoxalines by the Pd/C-catalyzed multicomponent reaction of 1, 2-dichloroquinoxaline with hydrazine hydrate, phenylacetylene, and a variety of ... 2012  
M Bakherad, **A Keivanloo**, S Jajarmi  
Tetrahedron 2012, 68 (9), 2107-2112
75. Syntheses of 2-benzylsubstituted Imidazo [1, 2-a] pyrimidines Via Coupling-Cyclization Under Pd-Cu Catalysis 2011  
M Bakherad, **A Keivanloo**, M Mohammadi, S Jajarmi

Letters in Organic Chemistry 2011, 8 (6), 401-405

76. Pd-Catalyzed Heterocyclization During Sonogashira Coupling: Synthesis of 3-Aryl-substituted Imidazo [2, 1-b] thiazoles 2011  
M Bakherad, **A Keivanloo**, H Nasr-Isfahani, M Raeissi  
Phosphorus, Sulfur, and Silicon and the Related Elements 2011, 186 (7), 1422-1427
77. Coupling Reaction of Acid Chlorides with Terminal Alkynes Catalyzed by Diatomite-Supported Palladium (II) Salophen Complex 2011  
M Bakherad, **A Keivanloo**, B Bahramian, Z Kalantar, F N Ashrafi  
Letters in Organic Chemistry 2011, 8 (5), 364-367
78. The first heterogeneous Sonogashira coupling reaction of aryl halides with terminal alkynes catalyzed by diatomite-supported palladium (II) salophen complex 2011  
B Bahramian, M Bakherad, **A Keivanloo**, Z Bakherad, B Karrabi  
Applied Organometallic Chemistry 2011, 25 (6), 420-423
79. Synthesis of  $\alpha$ ,  $\beta$ -Acetylenic Ketones with Polystyrene-Supported ZnBr<sub>2</sub> **A Keivanloo\***, M Bakherad, B Bahramian, M Rahmani, SAN Taheri 2011  
Synfacts 2011 (04), 0459-0459
80. Silica-supported zinc bromide (ZnBr<sub>2</sub>/SiO<sub>2</sub>): a highly efficient heterogeneous catalyst for coupling acid chlorides with terminal alkynes 2011  
**A Keivanloo\***, M Bakherad, B Bahramian, S Baratnia  
Tetrahedron letters 2011, 52 (13), 1498-1502
81. Regioselective Syntheses of 1-Aryl-substituted-5H-[1,3]thiazolo[3,2- $\alpha$ ]quinazoline-5-ones During Sonogashira Coupling 2011  
M Bakherad, **A Keivanloo**, Z Kalantar, V Keley  
Phosphorus, Sulfur, and Silicon and the Related Elements 2011, 186 (3), 464-470
82. Synthesis of ynones via recyclable polystyrene-supported palladium (0) complex catalyzed acylation of terminal alkynes with acyl chlorides under copper-and solvent-free conditions 2011  
M Bakherad, **A Keivanloo**, B Bahramian, S Jajarmi  
Synlett 2011 (03), 311-314
83. Pd/C-catalyzed heterocyclization during copper-free Sonogashira coupling: synthesis of 2-benzylimidazo [1, 2-a] pyrimidines in water 2011  
M Bakherad, **A Keivanloo**, Z Kalantar, S Jajarmi  
Tetrahedron letters 2011, 52 (2), 228-230
84. Polystyrene-Supported Zinc Bromide-Ethylenediamine Complex as a Reusable and Highly Efficient Heterogeneous Catalyst for the Synthesis of  $\alpha$ ,  $\beta$ -Acetylenic Ketones 2011  
**A Keivanloo\***, M Bakherad, B Bahramian, M Rahmani, SAN Taheri  
Synthesis 2011 (02), 325-329
85. Copper-and solvent-free Sonogashira coupling reactions of aryl halides with 2010

- terminal alkynes catalyzed by 1-phenyl-1, 2-propanedione-2-oxime thiosemi-carbazone-functionalized ...  
M Bakherad, A **Keivanloo**, B Bahramian, S Jajarmi  
Applied Catalysis A: General 2010, 390 (1-2), 135-140
86. Copper-and phosphine-free Sonogashira coupling reactions of aryl iodides catalyzed by an N, N-bis (naphthylideneimino) diethylenetriamine-functionalized polystyrene resin ... 2010  
M Bakherad, AH Amin, A **Keivanloo**, B Bahramian, M Raeissi  
Tetrahedron Letters 2010, 51 (43), 5653-5656
87. Using Pd–salen complex as an efficient catalyst for the copper-and solvent-free coupling of acyl chlorides with terminal alkynes under aerobic conditions 2010  
M Bakherad, AH Amin, A **Keivanloo**, B Bahramian, M Raessi  
Chinese Chemical Letters 2010, 21 (6), 656-660
88. One-pot synthesis of 1, 2-disubstituted pyrrolo [2, 3-b] quinoxalines via palladium-catalyzed heteroannulation in water 2010  
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