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Education

- ✓ B.Sc, Chemistry, Shahid Bahonar University of Kerman - 1992
- ✓ MS, Organic Chemistry, Shahid Bahonar University of Kerman - 1994
- ✓ PhD, Organic Chemistry, Shiraz University - 2001

Courses

- | | |
|--|--------------------------------|
| 1. organic chemistry 3 | 2. organic chemistry |
| 3. organic chemistry 1 | 4. Hetrocyclic chemistry |
| 5. organic syntesis | 6. chemical literatuers |
| 7. Applications of Nano Catalysts in Organic Chemistry | 8. Chemical Literature |
| 9. Stereochemistry | 10. Organic Chemistry 2 |
| 11. Organic Chemistry 1 | 12. Catalysis Chemistry |
| 13. Design and Synthesis of Drugs | 14. Advanced Organic Synthesis |

Journals Papers

2020

1. Sulfonated magnetic nanocatalyst and application for synthesis of novel Spiro[acridine-9,5-thiazole]-1,4-dione derivatives

Hadi Mohammadi, Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (46) 1109 - 1125

2. Ferric (III) complex supported on superparamagnetic Fe₃O₄@SiO₂ as a reusable Lewis acid catalyst: a new highly efficient protocol for the synthesis of acridinedione and spiroquinazolin-4(3H)-one derivatives

Hadi Mohammadi, Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (46) 179 - 195

3. Insight into 6-aminopenicillanic acid structure and study of the quantum mechanical calculations of the acid-base site on gamma-Fe₂O₃@SiO₂ core-shell nanocomposites and as efficient catalysts in multicomponent reactions

, Somayeh Ostovar, Roya Behazin, Alireza Rezvani, Ali Ebrahimi, Hamid Reza Shaterian

NEW JOURNAL OF CHEMISTRY Volume: (47) 20688 - 20696

2019

4. One-pot synthesis of 2-amino-4,8-dihydropyrano[3,2-b]pyranes and pyridopyrimidines under mild conditions

, Hamid Reza Shaterian

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (66) 434 - 437

5. Mechanochemically modified aluminosilicates for efficient oxidation of vanillyl alcohol

, Daily Rodriguez-Padron, Esmail Doustkhah, Somayeh Ostovar, Ana Franco, Hamid Reza Shaterian, Rafae

CATALYSIS COMMUNICATIONS Volume: (118) 65 - 69

6. gamma-Fe₂O₃@SiO₂-gamma-aminobutyric acid as a novel superparamagnetic nanocatalyst promoted green synthesis of chromeno[4,3,2-de][1,6]naphthyridine derivatives

Hadi Mohammadi, Hamid Reza Shaterian

MONATSHFTE FUR CHEMIE Volume: (150) 327 - 337

7. L-lysine-Aminobutyric acid hydrochloride supported on superparamagnetic L-lysine-Fe₂O₃@SiO₂ as a novel heterogeneous nanocatalyst for the synthesis of 2-amino-5-alkylidene-thiazol-4-one derivatives

Hadi Mohammadi, Hamid Reza Shaterian

Journal of the Iranian Chemical Society JICS Volume: (16) 479 - 492

8. Green approach to synthesis of new series of 6,8a-dihydropyrido[2,3-d]pyrimidine derivatives

, Hamid Reza Shaterian

Journal of the Iranian Chemical Society JICS Volume: (16) 493 - 500

9. Applying green and highly efficient approach for a facile synthesis of new thiazoloquinoline, thiazolopyridine, and thiazolonaphthyridine derivatives

Zahra Arabpoor, Hamid Reza Shaterian

Journal of the Iranian Chemical Society JICS Volume: (16) 1091 - 1103

10. (3-Oxo-[1,2,4]triazolidin-1-yl)bis (butane-1-sulfonic acid) functionalized magnetic landa-Fe₂O₃ nanoparticles: A novel and heterogeneous nanocatalyst for one-pot and efficient four-component synthesis of novel spiro[indeno[1,2-b] quinoxaline derivatives

Hadi Mohammadi, Hamid Reza Shaterian

APPLIED ORGANOMETALLIC CHEMISTRY Volume: (33) 1 - 12

11. Fe₃O₄@vitamin B1 as a sustainable superparamagnetic heterogeneous nanocatalyst promoting green synthesis of trisubstituted 1,3-thiazole derivatives

Hamid Reza Shaterian,

APPLIED ORGANOMETALLIC CHEMISTRY Volume: (33) e4964-1 - e4964-13

12. Fe₃O₄@SiO₂@sulfated boric acid as superparamagnetic and recyclable nanocatalyst-assisted, one-pot, pseudo four-component synthesis of 5-amino-2-aryl-3H-chromeno[4,3,2-de][1,6]naphthyridine-4-carbonitrile derivatives

Zeynab Khosravi, Hadi Mohammadi, Hamid Reza Shaterian

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (66) 1641 - 1648

2018

13. Catalytic Versatility of Novel Sulfonamide Functionalized Magnetic Composites

Somayeh Ostovar, Pepijn Prinsen, Alfonso Yopez, Hamid Reza Shaterian, Rafael Luque

ACS Sustainable Chemistry and Engineering Volume: (6) 4586 - 4593

14. Efficient Mechanochemical Bifunctional Nanocatalysts for the Conversion of Isoeugenol to Vanillin

Somayeh Ostovar, Ana Franco, Alain R. Puente-Santiago, Maria Pinilla-de Dios, Daily Rodriguez-Padron

Frontiers in Chemistry Volume: (6) 1 - 7

15. Visible Light Irradiation: A Green-Pathway-Promoted Pseudo Four Component Synthesis of Chromeno[4,3,2-de][1,6]naphthyridine Derivatives under Mild, and Catalyst-Free Conditions

Hadi Mohammadi, Hamid Reza Shaterian

ChemistrySelect Volume: (3) 11059 - 11064

16. ?-Fe₂O₃@SiO₂@4-(sulfoamino)butanoic acid as a novel superparamagnetic nanocatalyst promoted green synthesis of 5-(aryl)-5H-spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-2',10,12-trione derivatives

Hadi Mohammadi, Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (44) 7519 - 7538

17. Green approach to synthesis of novel and broad-range diversity of 4-(aryl)-3-(phenylsulfonyl)-4H-benzo[h]chromen-2-amine derivatives

, Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (44) 7219 - 7230

18. Unprecedented Proline-Based Heterogeneous Organocatalyst for Selective Production of Vanillin

, Daily Rodriguez-Padron, Araceli Garcia, Hamid Reza Shaterian, Rafael Luque

Catalysts Volume: (8) 1 - 11

2017

19. Phosphoric acid supported on alumina: A useful and effective heterogeneous catalyst in the preparation of a-amidoalkyl-b-naphthols, a-carbamato-alkyl-b-naphthols, and 2-arylbenzothiazoles

Hamid Reza Shaterian, ,

Arabian Journal of Chemistry Volume: (10) 42 - 55

20. Design and characterization of lisinopril-loaded superparamagnetic nanoparticles as a new contrast agent for in vitro in vivo MRI imaging diagnose the tumors and drug delivery system

, Hamid Reza Shaterian

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE Volume: (28) 91 - 102

21. Silica-Supported Ionic Liquids Prompted One-Pot Four-Component Synthesis of Pyrazolopyranopyrimidines 3-methyl-4-aryl-4,5-dihydro-1H-pyrano[2,3-c]pyrazol-6-ones and 16-diamino-2-oxo-1,2,3,4-tetrahydropyridine-3,5-dicarbonitriles

Fatemeh Rigi, Hamid Reza Shaterian

POLYCYCLIC AROMATIC COMPOUNDS Volume: (37) 314 - 326

22. Carboxymethyl cellulose (CMC)-loaded Co-Cu doped manganese ferrite nanorods as a new dual-modal simultaneous contrast agent for magnetic resonance imaging and nanocarrier for drug delivery system

, Hamid Reza Shaterian, ,

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: (438) 85 - 94

23. CAPTOPRIL-LOADED SUPERPARAMAGNETIC NANOPARTICLES AS A NEW DUAL-MODE CONTRAST AGENT FOR SIMULTANEOUS IN VITRO/IN VIVO MR IMAGING AND DRUG DELIVERY SYSTEM

, Hamid Reza Shaterian

PHARMACEUTICAL CHEMISTRY JOURNAL Volume: (51) 852 - 962

24. Design and characterization of Dendrimer of MNPs as a novel heterogeneous and reusable nanomagnetic organometallic catalyst for one-pot synthesis of hydroxyl naphthalene-1,4-dione derivatives under solvent-free conditions

Fouziyeh Mollazehi, Hamid Reza Shaterian

APPLIED ORGANOMETALLIC CHEMISTRY Volume: (32) 4183 - 4193

2016

25. L-Leucine supported on superparamagnetic silicaencapsulated g-Fe₂O₃ nanoparticles: design, characterization, and application as a green catalyst for highly efficient synthesis of thiazoloquinolines

, Hamid Reza Shaterian

RSC Advances Volume: (6) 4459 - 4468

26. Magnetic Nanoparticle Supported Ionic Liquid Assisted Green Synthesis of Pyrazolopyranopyrimidines and 1,6-diamino-2-oxo-1,2,3,4-tetrahydropyridine-3,5-dicarbonitriles

Fatemeh Rigi, Hamid Reza Shaterian

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (63) 557 - 561

2015

27. Effective preparation of hexahydroquinolines under ambient and solvent-free conditions

, Hamid Reza Shaterian, Soheila Nura, , , ,

JOURNAL OF MOLECULAR LIQUIDS Volume: (204) 15 - 20

28. Phosphoric acid supported on alumina: A usefuand effective heterogeneous catalyst in the preparation of a-amidoalkyl-b-naphthols, a-carbamato-alkyl-b-naphthols, and 2-arylbenzothiazolesl

Hamid Reza Shaterian, ,

Arabian Journal of Chemistry Volume: (8) 749 - 765

29. Mild preparation of 2-amino-3-cyano-4-aryl-4Hbenzo[1Hbenzo[catalyzed by recyclable basic ionic liquids

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1301 - 1313

30. Vitamin B1 supported on alumina as an efficient heterogeneous catalyst for synthesis of tetrahydro2,6dioxopyrimidin4yl)2,3 dihydrophthalazine1,4dione derivatives

Hamid Reza Shaterian,

Journal of the Iranian Chemical Society JICS Volume: () 1529 - 1534

31. Preparation of 2-amino-3-cyano-4-aryl-5,10-dioxo-5,10- dihydro-4H-benzo[g]chromene and hydroxyl naphthalene-1,4-dione derivatives

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 3171 - 3191

32. Preparation of 7-amino-1,3-dioxo-1,2,3,5- tetrahydropyrazolo [1,2-a][1,2,4]triazole using magnetic Fe₃O₄ nanoparticles coated by (3-aminopropyl)-triethoxysilane as catalyst

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 223 - 229

33. Mild preparation of hydroxyl naphthalene-1,4-dione derivatives with nano copper(II) oxide as catalyst under ambient and solvent-free conditions

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 291 - 297

34. Brnsted acidic ionic liquids catalyzed one-pot synthesis of benzoxanthene leuco-dye derivatives

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 409 - 417

35. A Brnsted acidic ionic liquid, [(CH₂)₃SO₃HMIM][HSO₄], as an efficient catalyst for synthesis of 1-(benzothiazolylamino)methyl-2- naphthols

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 793 - 801

36. Effective preparation of hexahydroquinolines under ambient and solvent-free conditions

Hamid Reza Shaterian

JOURNAL OF MOLECULAR LIQUIDS Volume: (204) 15 - 20

37. Preparation of 7-amino-1 3-dioxo-1 2 3 5-tetrahydropyrazolo 1 2-a 1 2 4 triazole using magnetic Fe₃O₄ nanoparticles coated by (3-aminopropyl)-triethoxysilane as catalyst

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 223 - 229

38. Mild preparation of hydroxyl naphthalene-1 4-dione derivatives with nano copper(II) oxide as catalyst under ambient and solvent-free conditions

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 291 - 297

39. Br nsted acidic ionic liquids catalyzed one-pot synthesis of benzoxanthene leuco-dye derivatives

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 409 - 417

40. An efficient synthesis of quinazoline and xanthene derivatives using starch sulfate as a biodegradable solid acid catalyst

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 721 - 738

41. A Br nsted acidic ionic liquid (CH₂)₃SO₃HMIM HSO₄ as an efficient catalyst for synthesis of 1-(benzothiazolylamino)methyl-2-naphthols

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 793 - 801

42. Mild and efficient silylation of alcohols under ambient and solvent-free conditions with phosphorus pentoxide supported on alumina (P₂O₅/Al₂O₃) as catalyst

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 947 - 954

43. Mild preparation of 2-amino-3-cyano-4-aryl-4H-benzo h chromenes and 2-amino-3-cyano-1-aryl-1H-benzo f chromenes under solvent-free conditions catalyzed by recyclable basic ionic liquids

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 1301 - 1313

2014

44. Mild preparation of 1H-pyrazolo 1 2-b phthalazine-5 10-dione derivatives with magnetic Fe₃O₄ nanoparticles coated by (3-aminopropyl)-triethoxysilane as catalyst under ambient and solvent-free conditions

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 371 - 383

45. Silica bonded propylpiperazine N sulfamic acid as recyclable solid acid catalyst for preparation of 2 amino 3 cyano 4 aryl 5 10 dioxo 5 10 dihydro 4H benzo g chromenes and hydroxy substituted naphthalene 1 4 dione derivatives

Hamid Reza Shaterian

CHINESE JOURNAL OF CATALYSIS Volume: () 242 - 246

46. Silicabonded propylpiperazineNsulfamic acid as recyclable solidacid catalyst for preparation of 2amino3cyano4aryl5,10dioxo5,10dihydro4Hbenzo[g]chromenes and hydroxysubstitutenaphthalene1,4dione derivativesd

Hamid Reza Shaterian,

CHINESE JOURNAL OF CATALYSIS Volume: () -

47. liquid under solvent-free conditions-2-naphthols using multi-SO₃H functionalized ionicPreparation of 1-(benzothiazolylamino)methyl

Hamid Reza Shaterian,

Scientia Iranica Volume: (21) 721 - 727

48. Multicomponent synthesis of 3,5-diaryl-2,6-dicyanoanilines under thermal solvent-free conditions

Hamid Reza Shaterian, ,

MONATSHEFTE FÜR CHEMIE Volume: (141) 557 - 560

49. Mild, four-component synthesis of 6-amino-4-aryl-3-methyl-1,4-dihydropyrano[2,3-c]pyrazole-5-carbonitriles catalyzed by titanium dioxidenano-sized particles

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () -

50. New applications of cellulose-SO₃H as a bio-supported and biodegradable catalyst for the one-pot synthesis of three-component reactions

Hamid Reza Shaterian, Fatemeh Rigi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2983 - 2999

51. Efficient synthesis of 1-carbamatoalkyl-2-naphthols using Brnsted acidic ionic liquid

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 3011 - 3019

52. Preparation of 1-(benzothiazolylamino)methyl -2-naphthols using multi-SO₃H functionalized ionic liquid under solvent-free conditions

Hamid Reza Shaterian,

Scientia Iranica Volume: () 727 - 734

53. One-pot, four-component synthesis of 2H-indazolo [2,1-b]phthalazine-triones catalyzed by cellulose-SO₃H as a reusable heterogeneous and efficient catalyst

Hamid Reza Shaterian, Fatemeh Rigi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1989 - 1995

54. Synthesis of 6-amino-4-aryl-3-methyl-1,4- dihydropyrano[2,3-c]pyrazole-5-carbonitriles by heterogeneous reusable catalysts

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1997 - 2005

55. Uncatalyzed synthesis of 3-amino-1,5- dihydro-2H-pyrrol-2-ones

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2059 - 2074

56. Efficient synthesis of 1-carbamatoalkyl-2-naphthols using Brnsted acidic ionic liquid as reusable catalyst

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 3011 - 3019

57. Brnsted acidic ionic liquids catalyzed the preparation of 13-aryl-5H-dibenzo[b,i]xanthene-5,7,12,14 (13H)-tetraones and 3,4-dihydro-1H-benzo[b] xanthene-1,6,11(2H,12H)-triones

Hamid Reza Shaterian, , Ebrahim Mollashahi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1345 - 1355

58. Phosphoric acid supported on alumina ($\text{H}_3\text{PO}_4/\text{Al}_2\text{O}_3$) as an efficient and reusable catalyst for the one-pot synthesis of benzoxanthene pigments

Hamid Reza Shaterian, ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1403 - 1414

59. Brnsted acidic ionic liquids catalyze the preparation of 2,3-dihydroquinazolin-4(1H)-one derivatives

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1655 - 1668

60. New applications of phosphoric acid supported on alumina ($\text{H}_3\text{PO}_4\text{--Al}_2\text{O}_3$) as a reusable heterogeneous catalyst for preparation of 2,3-dihydroquinazoline- 4(1H)-ones, 2H-indazolo[2,1-b]phthalazinetriones, and benzo[4,5]imidazo[1,2-a]pyrimidines

Hamid Reza Shaterian, ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1879 - 1898

61. Mild basic ionic liquid catalyzed pseudo fourcomponent synthesis of 7,10-diaryl-7Hbenzo[7,8]chromeno[2,3-d]pyrimidin-8-amine derivatives under solvent-free conditions

Hamid Reza Shaterian, Soheila Nura

RSC Advances Volume: (4) 543 - 547

62. Mild preparation of 1H-pyrazolo[1,2-b]phthalazine5,10-dione derivatives with magnetic Fe nanoparticles coated by (3-aminopropyl)triethoxysilane as catalyst under ambient and solvent-free conditions 3 O 4

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 371 - 383

63. An efficient synthesis of 1-thioamidoalkyl-2-naphthol derivatives

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2613 - 2620

64. DBU Ac -catalyzed mild preparation of 6-amino-4-aryl-5-cyano-3-methyl-1,4-dihydropyrano [2,3-c] pyrazole derivatives

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2721 - 2728

65. New applications of cellulose-SO₃H as a bio-supported and biodegradable catalyst for the one-pot synthesis of some three-component reactions

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2983 - 2999

66. Efficient synthesis of 1-carbamatoalkyl-2-naphthols using Brønsted acidic ionic liquid as reusable catalyst

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 3011 - 3019

67. Mildly basic ionic liquid catalyzed pseudo four component synthesis of 7,10-diaryl-7H-benzo [7,8] chromeno [2,3-d] pyrimidin-8-amine derivatives under solvent-free conditions

Hamid Reza Shaterian

RSC Advances Volume: (4) 60543 - 60547

68. Preparation of 1-(benzothiazolylamino)methyl

Hamid Reza Shaterian

Scientia Iranica Volume: (21) -

69. New applications of phosphoric acid supported on alumina (H₃PO₄/Al₂O₃) as a reusable heterogeneous catalyst for preparation of 2,3-dihydroquinazoline-4(1H)-ones, 2H-indazolo [2,1-b] phthalazine-triones and benzo [4,5] imidazo [1,2-a] pyrimidines

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1879 - 1898

70. One-pot four-component synthesis of 2H-indazolo [2,1-b] phthalazine-triones catalyzed by cellulose-SO₃H as a reusable heterogeneous and efficient catalyst

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1989 - 1995

71. Synthesis of 6-amino-4-aryl-3-methyl-1,4-dihydropyrano [2,3-c] pyrazole-5-carbonitriles by heterogeneous reusable catalysts

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1997 - 2005

72. Uncatalyzed synthesis of 3-amino-1,5-dihydro-2H-pyrrol-2-ones

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2059 - 2074

73. Mild four-component synthesis of 6-amino-4-aryl-3-methyl-1,4-dihydropyrano [2,3-c]pyrazole-5-carbonitriles catalyzed by titanium dioxide nano-sized particles

Hamid Reza Shaterian

ACTA BIOCHIMICA POLONICA Volume: (40) 661 - 667

74. Brønsted acidic ionic liquids catalyzed the preparation of 13-aryl-5H-dibenzo [b,i]xanthene-5,7,12,14(13H)-tetraones and 3,4-dihydro-1H-benzo [b]xanthene-1,6,11(2H,12H)-triones

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1345 - 1355

75. Phosphoric acid supported on alumina (H_3PO_4/Al_2O_3) as an efficient and reusable catalyst for the one-pot synthesis of benzoxanthene pigments

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1403 - 1414

76. Brønsted acidic ionic liquids catalyze the preparation of 2,3-dihydroquinazolin-4(1H)-one derivatives

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 1655 - 1668

77. Ultrasound irradiation for the green synthesis of chromenes using L-arginine-functionalized magnetic nanoparticles as a recyclable organocatalyst

Hamid Reza Shaterian

RSC Advances Volume: (4) 42220 - 42225

78. [DBU][Ac]-catalyzed mild preparation of 6-amino-4-aryl-5-cyano-3-methyl-1,4-dihydropyrano [2,3-c]pyrazole derivatives

Hamid Reza Shaterian, Marziyeh Sedghipour, Ebrahim Mollashahi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2721 - 2728

2013

79. derivatives under ambient and solvent-free conditions Effective preparation of 2-amino-3-cyano-4-aryl-5,10-dioxo-5,10-dihydro-4H-benzo [g]chromene and hydroxyl naphthalene-1,4-dione ,

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

80. Acidic ionic liquids catalyzed one-pot, pseudo five-component, and diastereoselective synthesis of highly functionalized piperidine derivatives

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

81. functionalized benzo[a]pyrano[2,3-c]phenazine derivatives Mild basic ionic liquid catalyzed four component synthesis of

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

82. Mild basic ionic liquids as catalyst for the multi-component synthesis of 7-amino-1, 3-dioxo-1,2,3,5-tetrahydropyrazolo[1,2-a][1,2,4]triazole and 6,6-dimethyl-2-phenyl-9-aryl-6,7-dihydro-[1,2,4]triazolo[1,2-a]indazole-1,3,

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

83. Mild Brnsted basic ionic liquids catalyzed three components synthesis of pyrazolo[1,2-a][1,2,4]triazole-1,3-dione and 2-amino-3-cyano-5,10-dioxo-4-phenyl-5,10-dihydro-4H-benzo[g]chromene derivatives

Hamid Reza Shaterian,

Scientia Iranica Volume: () -

84. cyano-5,10-dioxo-4-phenyl-5,10-dihydro-4H-benzo[g]chromene Mild Brnsted basic ionic liquids catalyzed three components synthesis of pyrazolo[1,2-a][1,2,4]triazole-1,3-dione and 2-amino-3-

Hamid Reza Shaterian,

Scientia Iranica Volume: () -

85. Ionic liquid catalyzed green synthesis of coumarin derivative under solvent free conditions

Hamid Reza Shaterian,

CHINESE JOURNAL OF CATALYSIS Volume: (34) 1690 - 1696

86. Mild preparation of chromeno[2,3-d]pyrimidines catalyzed by Brnsted acidic ionic liquids under solvent-free and ambient conditions

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (39) 3885 - 3877

87. Nanocrystalline TiO₂-HClO₄ catalyzed three component 2-naphthol, 1-carbamato-alkyl-2-naphthol, 1-(aminoalkyl)-2-naphthol, and 12-aryl-8,9,10,12-tetrahydrobenzo[a]-xanthene-11-one

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (39) 4237 - 4221

88. Aminopropyl coated on magnetic Fe₃O₄ and SBA-15 nanoparticles catalyzed mild preparation of chromeno[2,3-d]pyrimidines under ambient and solvent-free conditions 4

Hamid Reza Shaterian,

Catalysis Science and Technology Volume: () 425 - 428

89. Mild basic ionic liquid catalyzed four component synthesis of functionalized benzo[a]pyrano[2,3-c]phenazine derivatives

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () 162 - 166

90. BRNSTED REUSABLE ACIDIC IONIC LIQUIDS CATALYZED BIGINELLI REACTION UNDER SOLVENT-FREE CONDITIONS

Hamid Reza Shaterian,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 1064 - 1070

91. Nanocrystalline TiO₂-HClO₄ catalyzed threecomponent preparation of derivatives of 1-amidoalkyl- 2-naphthol, 1-carbamato-alkyl-2-naphthol, 1-(aaminoalkyl)- 2-naphthol, and 12-aryl-8,9,10,12- tetrahydrobenzo[a]-xanthen-11-one

Hamid Reza Shaterian,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 4221 - 4237

92. Nano-TiO₂: An Eco-Friendly and Clean Reusable Heterogeneous Catalyst for Preparation of -Aminophosphonates Under Ambient and Solvent-Free Conditions

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 850 - 854

93. Acidic Brnsted Ionic Liquids Catalyzed the Preparation of 1-((Benzo[d]thiazol-2-ylamino)(aryl)-methyl)naphthalen-2-ol Derivatives 1-[(1,3-Benzothiazol-2-ylamino)(aryl)methyl]- 2-naphthol

Hamid Reza Shaterian,

SOUTH AFRICAN JOURNAL OF CHEMISTRY-SUID-AFRIKAANSE TYDSKRIF VIR CHEMIE Volume: () 60 - 63

94. ZnO-Nanoparticles: Efficient and Reusable Heterogeneous Catalyst for One-Pot, Four-Component Synthesis of 2H-indazolo[2,1-b]phthalazine-triones

Hamid Reza Shaterian, Ebrahim Mollashahi,

JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN Volume: (35) 329 - 332

95. Acidic Br nsted Ionic Liquids Catalyzed the Preparation of 1-((Benzo d thiazol-2-ylamino)(aryl)-methyl)naphthalen-2-ol Derivatives 1- (1 3-Benzothiazol-2-ylamino)(aryl)methyl -2-naphthol

Hamid Reza Shaterian

AAPS Journal Volume: () -

96. Mild basic ionic liquids as catalyst for the multi-component synthesis of 7-amino-1,3-dioxo-1,2,3,5-tetrahydropyrazolo[1,2-a]1,2,4-triazole and 6,6-dimethyl-2-phenyl-9-aryl-6,7-dihydro-1,2,4-triazolo[1,2-a]indazole-1,3,8(2H,5H,9H)-trione derivatives

Hamid Reza Shaterian

AAPS PHARMSCI Volume: () -

97. NANO-TiO₂ AN ECO-FRIENDLY AND CLEAN REUSABLE HETEROGENEOUS CATALYST FOR PREPARATION OF -AMINOPHOSPHONATES UNDER AMBIENT AND SOLVENT-FREE CONDITIONS

Hamid Reza Shaterian

AAPS PHARMSCITECH Volume: () -

98. Mild Brønsted basic ionic liquids catalyzed three component synthesis of pyrazolo[1,2-a]1,2,4-triazole-1,3-dione and 2-amino-3-cyano-5,10-dioxo-4-phenyl-5,10-dihydro-4H-benzog chromene derivatives

Hamid Reza Shaterian

AATCC REVIEW Volume: () -

99. ZnO-Nanoparticles Efficient and Reusable Heterogeneous Catalyst for One-Pot Four-Component Synthesis of 2H-indazolo[2,1-b]phthalazine-triones

Hamid Reza Shaterian

ABDOMINAL IMAGING Volume: () -

100. Acidic ionic liquids catalyzed one-pot pseudo five-component and diastereoselective synthesis of highly functionalized piperidine derivatives

Hamid Reza Shaterian

ABHANDLUNGEN AUS DEM MATHEMATISCHEN SEMINAR DER UNIVERSITÄT HAMBURG Volume: () -

101. Aminopropyl coated on magnetic Fe₃O₄ and SBA-15 nanoparticles catalyzed mild preparation of chromeno[2,3-d]pyrimidines under ambient and solvent-free conditions

Hamid Reza Shaterian

ACADEMIC EMERGENCY MEDICINE Volume: () -

102. Nano copper(II) oxide catalyzed four-component synthesis of functionalized benzo a pyrano[2,3-c]phenazine derivatives

Hamid Reza Shaterian

ACADEMIC MEDICINE Volume: () -

103. Mild preparation of chromeno[2,3-d]pyrimidines catalyzed by Brønsted acidic ionic liquids under solvent-free and ambient conditions

Hamid Reza Shaterian

ACADEMIC RADIOLOGY Volume: () -

104. Ionic liquid catalyzed green synthesis of coumarin derivatives under solvent free conditions

Hamid Reza Shaterian

ACCOUNTS OF CHEMICAL RESEARCH Volume: () -

105. Effective preparation of 2-amino-3-cyano-4-aryl-5,10-dioxo-5,10-dihydro-4H-benzo g chromene and hydroxyl naphthalene-1,4-dione derivatives under ambient and solvent-free conditions

Hamid Reza Shaterian

ACCREDITATION AND QUALITY ASSURANCE Volume: () -

106. Mild basic ionic liquid catalyzed four component synthesis of functionalized benzo a pyrano 2,3-c phenazine derivatives

Hamid Reza Shaterian

ACI MATERIALS JOURNAL Volume: () -

107. Four-component synthesis of 2H-indazolo 2,1-b phthalazine- 1,6,11(13H)-trione derivatives

Hamid Reza Shaterian

ACI MATERIALS JOURNAL Volume: () -

108. arar

Hamid Reza Shaterian

ACCREDITATION AND QUALITY ASSURANCE Volume: () -

2012

109. Acidic ionic liquids catalyzed three-component synthesis of 12-aryl-12H-indeno[1,2-b]naphtho[3,4-c]pyran-12(13H)-one derivatives 2-e]pyran-5,11,13-trione and 13-aryl-indeno[1,2-b]naphtho[1,2-c]

Hamid Reza Shaterian, ,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

110. Mild basic ionic liquids catalyzed new four-component synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-diones

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

111. Nano copper(II) oxide catalyzed four-component synthesis of functionalized benzo[a]pyrano[2,3-c]phenazine derivatives

Hamid Reza Shaterian, ,

COMPTES RENDUS CHIMIE Volume: () -

112. Acetalization of Carbonyl Compounds as Pentaerythritol Acetalization of Carbonyl Compounds as Pentaerythritol

Hamid Reza Shaterian, Fatemeh Rigi

CHINESE JOURNAL OF CHEMISTRY Volume: (30) 695 - 698

113. Al(HSO₄)₃: an efficient and heterogeneous reusable catalyst for the synthesis of 1-amidoalkyl-2-naphthols under thermal solvent-free conditions

Hamid Reza Shaterian, , ,

Journal of the Iranian Chemical Society JICS Volume: () 1 - 5

114. Acetalization of Carbonyl Compounds as Pentaerythritol Diacetals and Diketals in the Presence of Cellulose Sulfuric Acid as an Efficient, Biodegradable and Reusable Catalyst

Hamid Reza Shaterian, Fatemeh Rigi

CHINESE JOURNAL OF CHEMISTRY Volume: () 695 - 698

115. Basic magnetic nanoparticles as efficient catalysts for the preparation of naphthopyrane derivatives

, Hamid Reza Shaterian

JOURNAL OF CHEMICAL RESEARCH Volume: (36) 49 - 51

116. Four-component synthesis of 2H-indazolo[2,1-b]phthalazine 1,6,11(13H)-trione derivatives

Hamid Reza Shaterian,

COMPTES RENDUS CHIMIE Volume: (15) 1060 - 1064

117. NaHSO₄ . H₂O CATALYZED MULTICOMPONENT SYNTHESIS OF 1-(BENZOTHAZOLYLAMINO) METHYL-2-NAPHTHOLS UNDER SOLVENT-FREE CONDITIONS 2

, Hamid Reza Shaterian

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

118. Sulfamic acid functionalised magnetic nanoparticles: an efficient solid acid for the multicomponent condensations

, Hamid Reza Shaterian

JOURNAL OF CHEMICAL RESEARCH Volume: () 52 - 55

119. BR NSTED REUSABLE ACIDIC IONIC LIQUIDS CATALYZED BIGINELLI REACTION UNDER SOLVENT-FREE CONDITIONS

Hamid Reza Shaterian

ADVANCES IN NEUROLOGY Volume: () 1064 - 1070

120. Nanocrystalline TiO₂ HClO₄ catalyzed threecomponent preparation of derivatives of 1-amidoalkyl- 2-naphthol 1-carbamato-alkyl-2-naphthol 1-(-aminoalkyl)- 2-naphthol and 12-aryl-8 9 10 12- tetrahydrobenzo a -xanthen-11-one

Hamid Reza Shaterian

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 4221 - 4237

2011

121. A Simple Green Approach to the Synthesis of 2-Amino-5-oxo-4,5-dihydropyrano [3,2-c] chromene-3-carbonitrile Derivatives Catalyzed by 3-Hydroxypropanaminium Acetate (HPAA) as a New Ionic Liquid

Hamid Reza Shaterian

Journal of the Iranian Chemical Society JICS Volume: () -

122. Synthesis of Highly Substituted Imidazoles Using Bronsted Acidic Ionic Liquid Triphenyl(propyl-3-sulphonyl)phosphonium Toluenesulfonate as Reusable Catalyst

Hamid Reza Shaterian

Journal of the Iranian Chemical Society JICS Volume: (8) -

123. Selective Synthesis of 2-Aryl-1-benzylated-1H-benzimidazoles

Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () -

124. Efficient Multi-component Synthesis of Highly Substituted Imidazoles Utilizing P2O5/SiO2 as a Reusable Catalyst

Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () -

125. Eco-friendly and Efficient Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones

Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () -

126. A Convenient Method for the Preparation of 1,5-Diaryl-3-(arylamino)-1H-pyrrol-2(5H)-ones

Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () -

127. An environmental friendly approach for the synthesis of highly substituted imidazoles using Bronsted acidic ionic liquid N-methyl-2-pyrrolidonium hydrogen sulfate as reusable catalyst

Hamid Reza Shaterian

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

128. Domino Knoevenagel condensation Michael addition and cyclization using ionic liquid 2-hydroxyethylammonium formate as a recoverable catalyst

Hamid Reza Shaterian

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

129. Synthesis of benzoxanthene derivatives using Br nsted acidic ionic liquids (BAILS) 2-pyrrolidonium hydrogen sulfate and (4-sulfobutyl) tris(4-sulfophenyl) phosphonium hydrogen sulfate

Hamid Reza Shaterian

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

130. Starch sulfate as an efficient and biodegradable polymer catalyst for one-pot four-component reaction of 2H-indazolo 2 1-b phthalazine-triones

Hamid Reza Shaterian

STARCH-STARKE Volume: () -

131. Trimethylsilyl Protection of Alcohols over Phosphorus Pentoxide Supported on Silica Gel

Hamid Reza Shaterian

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

132. Silica-supported phosphorus pentoxide a reusable catalyst for S S-acetalization of carbonyl groups under ambient conditions

Hamid Reza Shaterian

Journal of Sulfur Chemistry Volume: (32) -

133. imidazoles using Brnsted acidic ionic liquid, N-methyl-2-pyrrolidonium hydrogenAn environmental friendly approach for the synthesis of highly substitutedsulfate, as reusable catalyst

Hamid Reza Shaterian,

JOURNAL OF MOLECULAR LIQUIDS Volume: () -

134. TRIMETHYLSILYL PROTECTION OF ALCOHOLS OVERPHOSPHORUS PENTOXIDE SUPPORTED ON SILICA GEL

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

135. Efficient Multi-component Synthesis of Highly Substituted Imidazoles Utilizing P 2 O 5 /SiO 2 as a Reusable Catalyst

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () 1635 - 1645

136. A Convenient Method for the Preparation of 1,5-Diaryl-3-(arylamino)-1H-pyrrol-2(5H)-ones

, Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () 1851 - 1855

137. A Simple Green Approach to the Synthesis of 2-Amino-5-oxo-4,5-dihydropyrano[3,2c]chromene-3-carbonitrile Derivatives Catalyzed by 3-Hydroxypropanaminium Acetate (HPAA) as a New Ionic Liquid

Hamid Reza Shaterian,

Journal of the Iranian Chemical Society JICS Volume: () 545 - 552

138. Selective Synthesis of 2-Aryl-1-benzylated-1H-benzimidazoles

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () 2389 - 2393

139. Silica-supported phosphorus pentoxide: a reusable catalyst for S,S-acetalization of carbonyl groups under ambient conditions

Hamid Reza Shaterian, ,

Journal of Sulfur Chemistry Volume: () 85 - 91

140. Starch sulfate as an efficient and biodegradable polymer catalyst for one-pot, four-component reaction of 2H-indazolo[2,1-b]phthalazine-triones

Hamid Reza Shaterian, Fatemeh Rigi

STARCH-STARKE Volume: () 340 - 346

141. Synthesis of benzoxanthene derivatives using Brnsted acidic ionic liquids (BAILs), 2-pyrrolidonium hydrogen sulfate and (4-sulfobutyl)tris(4-sulfophenyl) phosphonium hydrogen sulfate

Hamid Reza Shaterian, ,

JOURNAL OF MOLECULAR LIQUIDS Volume: () 95 - 99

142. TASK-SPECIFIC IONIC LIQUID AS THE RECYCLABLE CATALYST FOR THE RAPID AND GREEN SYNTHESIS OF DIHYDROPYRANO[3,2-c]CHROMENE DERIVATIVES

Hamid Reza Shaterian,

SYNTHETIC COMMUNICATIONS Volume: () 3573 - 3581

143. Synthesis of Highly Substituted Imidazoles Using Brnsted Acidic Ionic Liquid, Triphenyl(propyl-3-sulphonyl)phosphonium Toluenesulfonate, as Reusable Catalyst

Hamid Reza Shaterian, ,

Journal of the Iranian Chemical Society JICS Volume: () 1120 - 1134

144. Domino Knoevenagel condensation, Michael addition, and cyclization using ionic liquid, 2-hydroxyethylammonium formate, as a recoverable catalyst

Hamid Reza Shaterian, , Fatemeh Rigi

JOURNAL OF MOLECULAR LIQUIDS Volume: () 145 - 150

145. Magnesium Hydrogensulfate $Mg(HSO_4)_2$ as an Efficient Catalyst for the Preparation of Silyl Ethers Dibenzo a j Xanthenes and Octahydroxanthene Derivatives

Hamid Reza Shaterian

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

146. Synthesis of 2,3-Dihydroquinazoline-4(1H)-Ones

Hamid Reza Shaterian

SYNTHETIC COMMUNICATIONS Volume: () -

147. Multicomponent synthesis of 3,5-diaryl-2,6-dicyanoanilines under thermal solvent-free conditions

Hamid Reza Shaterian

MONATSHFTE FUR CHEMIE Volume: () -

148. SYNTHESIS OF 2,3-DIHYDROQUINAZOLINE-4(1H)-ONES

Hamid Reza Shaterian, ,

SYNTHETIC COMMUNICATIONS Volume: () -

149. MAGNESIUM HYDROGENSULFATE $[Mg(HSO_4)_2]$ AS AN EFFICIENT CATALYST FOR THE PREPARATION OF SILYL ETHERS, DIBENZO[a,j]XANTHENES, AND OCTAHYDROXANTHENE DERIVATIVES

Hamid Reza Shaterian, , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 171 - 180

2009

150. PPA-SiO₂ as a Heterogeneous Catalyst for Efficient Synthesis of 2-Substituted-1,2,3,4-tetrahydro-4-quinazolinones under Solvent-free Conditions

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: (27) -

151. Synthesis of New and Novel N-Protected 1-Aminoalkyl-2-naphthol Derivatives

Hamid Reza Shaterian, ,

SYNTHETIC COMMUNICATIONS Volume: (29) -

152. Zinc Hydrogensulfate as an Efficient Catalyst for Preparation of α -Amino Carbonyl Compounds

Hamid Reza Shaterian

CHINESE JOURNAL OF CHEMISTRY Volume: () -

153. Preparation and Application of Perchloric Acid Supported on Alumina ($Al_2O_3-HClO_4$) to the Synthesis of α -(α -Amidobenzyl)B-naphthols

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

154. PPA-SiO₂ Catalyzed Multi-component Synthesis of N- -(-Hydroxy- -naphthyl)(benzyl) O-Alkyl Carbamate Derivatives

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

155. Uncatalyzed One-pot Synthesis of 3,3'-(Benzylene)- bis(4-hydroxy-2H-chromen-2-one) Derivatives under Thermal Solvent-free Conditions

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

156. Al(HSO₄)₃ and Al₂O₃-SO₃H as Efficient Catalysts for Modified Preparation of 3,4-Dihydropyrimidin-2 (1H)-ones/thiones

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

157. MAGNESIUM HYDROGENSULFATE Mg(HSO₄)₂ AS AN EFFICIENT CATALYST FOR THE PREPARATION OF SILYL ETHERS DIBENZO a j XANTHENES AND OCTAHYDROXANTHENE DERIVATIVES

Hamid Reza Shaterian

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

158. A Facile and Efficient Trimethylsilylation of Hydroxyl Groups Using Silica- Supported Zinc Chloride and Alumina-Supported Sodium Hydrogensulfate as Recyclable Heterogeneous Catalyst

Hamid Reza Shaterian

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

159. Ferric Hydrogen Sulfate as an Efficient Heterogeneous Catalyst for Environmentally Friendly Greener Synthesis of 1,8-Dioxo-Octahydroxanthenes

Hamid Reza Shaterian

TURKISH JOURNAL OF CHEMISTRY Volume: () -

160. One-pot synthesis of amidoalkyl naphthols using NaHSO₄.SiO₂ as an efficient and recyclable heterogeneous catalyst

Hamid Reza Shaterian

TURKISH JOURNAL OF CHEMISTRY Volume: () -

161. Preparation of heterocyclic containing phthalazine skeletons 2Hindazolo 2,1-b phthalazine-1,6,11(13H)-triones

Hamid Reza Shaterian, ,

Journal of the Iranian Chemical Research Volume: () -

162. Reusable silica supported poly phosphoric acid catalyzed three-component synthesis of 2H-indazolo [2,1-b] phthalazine-trione derivatives

Hamid Reza Shaterian, ,

ARKIVOC Volume: (ii) -

163. PPA-SiO₂ Catalyzed Multi-component Synthesis of N-[-(-Hydroxy--naphthyl)(benzyl)] O-Alkyl Carbamate Derivatives

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

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Hamid Reza Shaterian, ,

TURKISH JOURNAL OF CHEMISTRY Volume: () 233 - 240

165. One-pot synthesis of amidoalkyl naphthols using NaHSO₄.SiO₂ as an efficient and recyclable heterogeneous catalyst

Hamid Reza Shaterian, ,

TURKISH JOURNAL OF CHEMISTRY Volume: (33) 457 - 449

166. A Facile and Efficient Trimethylsilylation of Hydroxyl Groups Using Silica-Supported Zinc Chloride and Alumina-Supported Sodium Hydrogensulfate as Recyclable Heterogeneous Catalysts

Hamid Reza Shaterian, , , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 2227 - 2237

167. Al(HSO₄)₃ and Al₂O₃-SO₃H as Efficient Catalysts for Modified Preparation of 3,4-Dihydropyrimidin-2 (1H)-ones/thiones

Hamid Reza Shaterian, , , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 2333 - 2338

168. Preparation and Application of Perchloric Acid Supported on Alumina (Al₂O₃-HClO₄) to the Synthesis of -(-Amidobenzyl)--naphthols

Hamid Reza Shaterian, , ,

CHINESE JOURNAL OF CHEMISTRY Volume: () 815 - 820

169. Reusable silica supported poly phosphoric acid catalyzed threecomponent synthesis of 2H-indazolo[2,1-b]phthalazine-trione derivatives

Hamid Reza Shaterian, ,

ARKIVOC Volume: () 59 - 67

170. Uncatalyzed, One-pot Synthesis of 3,3-(Benzylene)- bis(4-hydroxy-2H-chromen-2-one) Derivatives under Thermal Solvent-free Conditions

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

171. An Efficient Synthesis of Multi-Substituted 3,4-Dihydropyrimidin-2(1H)-ones/thiones Under Solvent-Free Microwave Irradiation Using Alumina Sulfuric Acid

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 197 - 205

172. Environmentally Friendly Preparation of 3,4-Dihydropyrimidin-2(1H)-thiones Catalyzed by $\text{Al}(\text{H}_2\text{PO}_4)_3$

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 126 - 134

173. PPA-SiO₂ as a Heterogeneous Catalyst for Efficient Synthesis of 2-Substituted-1,2,3,4-tetrahydro-4-quinazolinones under Solvent-free Conditions

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: () 2418 - 2422

174. Zinc Hydrogensulfate as an Efficient Catalyst for Preparation of α -Amido Carbonyl Compounds

Hamid Reza Shaterian,

CHINESE JOURNAL OF CHEMISTRY Volume: () 1947 - 1952

2008

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Hamid Reza Shaterian,

TETRAHEDRON LETTERS Volume: (49) -

176. Silica-Supported Ferric Chloride ($\text{SiO}_2\text{-FeCl}_3$) A Reusable Easily Controllable Catalyst for the Protection of Hydroxyl Groups under Mild and Ambient Conditions

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

177. One-pot synthesis of aryl 14H-dibenzo a j xanthene leuco-dye derivatives

Hamid Reza Shaterian, ,

DYES AND PIGMENTS Volume: (76) -

178. Alumina Perchloric Acid ($\text{Al}_2\text{O}_3\text{-HClO}_4$) as an Efficient Heterogeneous Catalyst for Modified Preparation of Trimethylsilyl Ethers

Hamid Reza Shaterian, , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (183) -

179. Sodium hydrogen sulfate as effective and reusable heterogeneous catalyst for the one-pot preparation of amidoalkyl naphthols

Hamid Reza Shaterian,

ARKIVOC Volume: (ii) -

180. Silica-Supported Perchloric Acid ($\text{HClO}_4\text{-SiO}_2$) An Efficient Catalyst for the Preparation of α -Amido Carbonyl Compounds Using Multicomponent Reactions

Hamid Reza Shaterian, ,

SYNTHETIC COMMUNICATIONS Volume: (38) -

181. Sodium hydrogen sulfate as effective and reusable heterogeneous catalyst for the one-pot preparation of amidoalkyl naphthols

Hamid Reza Shaterian,

ARKIVOC Volume: () -

182. Silica supported perchloric acid ($\text{HClO}_4\text{-SiO}_2$) an efficient and recyclable heterogeneous catalyst for the one-pot synthesis of amidoalkyl naphthols

Hamid Reza Shaterian, ,

TETRAHEDRON Volume: (64) -

183. Chemoselective Dithioacetalization and Oxathioacetalization of Carbonyl Compounds Using Alumina Sulfuric Acid as Catalyst

Hamid Reza Shaterian, ,

SYNTHETIC COMMUNICATIONS Volume: (38) -

184. Reaction in Dry Media Silica Gel Supported Ferric Chloride Catalyzed Synthesis of 1,8-Dioxo-octahydroanthracene Derivatives

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

185. A Mild Simple Efficient and Selective Protection of Hydroxyl Groups Using Silica-Supported Sodium Hydrogen Sulfate as a Heterogeneous Catalyst

Hamid Reza Shaterian, , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

186. Environmentally Friendly Preparation of 3,4-Dihydropyrimidin-2(1H)-thiones Catalyzed by $\text{Al}(\text{H}_2\text{PO}_4)_3$

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (184) -

187. An Efficient Synthesis of Multi-Substituted 3,4-Dihydropyrimidin-2(1H)-ones/thiones Under Solvent-Free Microwave Irradiation Using Alumina Sulfuric Acid

Hamid Reza Shaterian, ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (184) -

188. Ferric Hydrogensulfate as Effective and Recyclable Catalyst for Mild Dithiocetalization of Aldehydes and Ketones

Hamid Reza Shaterian, , ,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

189. A three-component novel synthesis of 1-carbamato-alkyl-2-naphthol derivatives

Hamid Reza Shaterian, ,

TETRAHEDRON LETTERS Volume: () -

190. Silica sulfuric acid as an efficient catalyst for the preparation of 2H-indazolo [2,1-b] phthalazine-triones

Hamid Reza Shaterian, ,

APPLIED CATALYSIS A-GENERAL Volume: () -

191. Environmentally Friendly Preparation of Amidoalkyl Naphthols

Hamid Reza Shaterian, , ,

SYNTHETIC COMMUNICATIONS Volume: () -

192. PPA-SiO₂ Catalyzed MultiComponent Synthesis of Amidoalkyl Naphthols

Hamid Reza Shaterian, ,

SYNTHETIC COMMUNICATIONS Volume: () -

193. An efficient simple and expedition synthesis of 1-amidoalkyl-2-naphthols as drug like molecules for biological screening (ISI)

Hamid Reza Shaterian, ,

BIOORGANIC and MEDICINAL CHEMISTRY LETTERS Volume: () -

194. Silica supported perchloric acid (HClO₄-SiO₂) an efficient and recyclable heterogeneous catalyst for the one-pot synthesis of amidoalkyl naphthols (ISI)

Hamid Reza Shaterian, ,

TETRAHEDRON Volume: () -

195. A Highly Efficient Method for the Silylation of Alcohols Phenols and Naphthols Using HMDS in the Presence of Zinc Oxide (ZnO) as Economical Heterogeneous Catalyst (ISI)

Hamid Reza Shaterian,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () -

196. Sodium Hydrogen Sulfate as Effective and Reusable Heterogeneous Catalyst for the One-pot Preparation of 14H- (Un)substituted phenyl -dibenzo a j xanthene Leuco-dye Derivatives (ISI)

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

197. One-pot preparation of amido ketones/esters in three-component condensation reaction using magnesium hydrogensulfate as effective and reusable catalyst (ISI)

Hamid Reza Shaterian, ,

CANADIAN JOURNAL OF CHEMISTRY Volume: () -

198. Alumina Sulfuric Acid an Efficient Heterogeneous Catalyst for the Synthesis of Amidoalkyl Naphthols (ISI)

Hamid Reza Shaterian, ,

LETTERS IN ORGANIC CHEMISTRY Volume: () -

199. Ferric Hydrogensulfate Catalyzed Synthesis of Aryl 14H-Dibenzo a j xanthene Derivatives under Thermal and Solvent-Free Conditions

Hamid Reza Shaterian,

JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY Volume: (19) -

200. Chemoselective Dithioacetalization of Carbonyl Compounds Using Magnesium Hydrogensulfate as Efficient Heterogeneous Catalyst

Hamid Reza Shaterian, , ,

Volume: () -

201. A simple synthesis of stable phosphorus ylides containing cyano groups from the reaction between triphenylphosphine and acetylenic esters in the presence of CH-acid compounds

Malektaher Maghsoodlou, Hamid Reza Shaterian, , ,

ARKIVOC Volume: () -

202. Preparation of Silyl Ethers Using Hexamethyldisilazane in the Presence of N-Bromosuccinimide under Mild and Solvent-Free Conditions

Hamid Reza Shaterian, ,

CHINESE JOURNAL OF CHEMISTRY Volume: () -

203. Alumina Sulfuric Acid as an Efficient and Recyclable Heterogeneous Catalyst for the O-Silylation of Alcohols Phenols and Oximes

Hamid Reza Shaterian, , , ,

Volume: () -

2007

204. Aluminium hydrogensulfate as an efficient and heterogeneous catalyst for preparation of aryl 14H-dibenzo a j xanthene derivatives under thermal and solvent-free conditions

Hamid Reza Shaterian, ,

ARKIVOC Volume: (xv) -

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Hamid Reza Shaterian

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