



Ali Reza Modarresi Alam

Professor

Faculty : Science

Departments : Chemistry

Phone : +9854 - 31136339

Email : modaresi@chem.usb.ac.ir

Address : Dept.of Chemistry, Faculty of Science, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- ✓ MS, Organic Chemistry, Isfahan University of Technology - 1995
- ✓ PhD, Organic Chemistry, Isfahan University of Technology - 2000

Courses

- | | |
|--------------------------------------|--|
| 1. p | 2. organic chemistry liboretory 1 |
| 3. tecnology and chemistry polimer | 4. Practice and research |
| 5. organic physical chemistry | 6. Polymer synthesis |
| 7. organic syntesis | 8. organic synthesis methods |
| 9. organic chemistry 1 | 10. Identification of organic compounds |
| 11. new topics in organic chemistry | 12. advanced synthesis |
| 13. new contend in organic chemistry | 14. Atopic of special intereotin applied chemistry |
| 15. conformational analysis | 16. polymer chemistry |
| 17. organic spectroscopy | 18. nanotechnology |
| 19. Electrically Conductive Polymers | 20. Spectroscopy of Advanced Organic |
| 21. senthesis polymers | 22. m |
| 23. advanced organic chemistry | 24. nanoparticles and industrial application |

Journals Papers

2021

1. Encapsulation of poly(m-aminobenzodioxol)-Fe₃O₄ superparamagnetic nanorods and iron (III) thiocyanate complex in hydrogel toward hybrid solar cells

Celia Ferrag, Meissam Noroozifar, Ali Reza Modarresi Alam, Kagan Kerman

Journal of Environmental Chemical Engineering Volume: (9) 105612-1 - 105612-13

2. Toward enhanced catalytic activity of magnetic nanoparticles integrated into 3D reduced graphene oxide for heterogeneous Fenton organic dye degradation

Fatemeh Sadegh, Nikolaos Politakos, Estibaliz Gonzalez de San Roman, Oihane Sanz, Ali Reza Modarresi

Scientific Reports Volume: (11) 18343-1 - 18343-16

3. Simple and green route for fabrication of a nanostructured of the graphene?Fe₃O₄@PANI for the photovoltaic activity

Fatemeh Sadegh, Ali Reza Modarresi Alam, Negar Sadegh, Abdolhamid Bahr Peyma, Sahar Shabzendedar, Ka

ELECTROCHIMICA ACTA Volume: (399) 139327-1 - 139327-13

4. Investigation of the unusually high rotational energy barrier about the C-N bond in 5-(2-x-phenyl)-N,N-dimethyl-2H-tetrazole-2- carboxamides: Insights from dynamic ¹H-NMR and DFT calculations

Abdolkarim Farrokhzadeh, Ali Reza Modarresi Alam, Farideh Badichi Akher, Erich Kleinpeter, Alexandra

JOURNAL OF MOLECULAR STRUCTURE Volume: (1226) 129363-1 - 129363-9

5. Solid-state synthesis of PANI-TiO₂ nanocomposite: Investigation of reaction conditions, nature of oxidant and electrical properties

Fatemeh Sadegh, Ali Reza Modarresi Alam, M. Noroozifar, Hassan Mansouri Torshizi

Express Polymer Letters Volume: (15) 2 - 15

6. Nanomatrix of Co₃O₄-CuO nanoarray as novel electrode material for lithium-ion battery anode

Navid Zamani, Meissam Noroozifar, Ali Reza Modarresi Alam, Farideh Maleki

Journal of the Iranian Chemical Society JICS Volume: (18) 394 - 406

7. A facile and green synthesis of superparamagnetic Fe₃O₄@PANI nanocomposite with a core-shell structure to increase of triplet state population and efficiency of the solar cells

Fatemeh Sadegh, Ali Reza Modarresi Alam, Meissam Noroozifar, Kagan Kerman

Journal of Environmental Chemical Engineering Volume: (9) 104942-1 - 104942-13

2020

8. Novel conductive multi-walled polymeric nanotubes of poly (diazoaminobenzene) for single-layer polymer solar cell

Sahar Shabzendedar, Ali Reza Modarresi Alam, Abdolhamid Bahr Peyma, Meissam Noroozifar, Kagan Kerman

REACTIVE and FUNCTIONAL POLYMERS Volume: (149) 104529-1 - 104529-10

9. Fast improved polyol method for synthesis of Pd/C catalyst with high performance toward ethanol electrooxidation

Majid Farsadrooh Rashti, , Meissam Noroozifar, Hamedreza javadian, Nafiseh Alfi, Ali Reza Modarresi

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (45) 27312 - 27319

10. Investigation of the effect of two new initiators of p-aminoazobenzene and diazoaminobenzene on the properties of polyaniline

Sahar Shabzendedar, Ali Reza Modarresi Alam, M. Noroozifar

Express Polymer Letters Volume: (14) 169 - 178

11. Core-shell nanocomposite of superparamagnetic Fe₃O₄ nanoparticles with poly(m-aminobenzenesulfonic acid) for polymer solar cells

Sahar Shabzendedar, Ali Reza Modarresi Alam, Meissam Noroozifar, Kagan Kerman

ORGANIC ELECTRONICS Volume: (77) 105462-1 - 105462-11

2019

12. An investigation into the photovoltaic activity of a new nanocomposite of (polyaniline nanofibers)/(titanium dioxide nanoparticles) with different architectures

, Ali Reza Modarresi Alam, Meissam Noroozifar, Mohammad Saeed Hadavi

SYNTHETIC METALS Volume: (252) 50 - 61

13. Synthesis and characterization of poly(p-aminoazobenzene) nanosheet as a new derivative of polyaniline containing azo groups under green chemistry condition and its high efficiency in solar cell

Sahar Shabzendedar, Ali Reza Modarresi Alam, Meissam Noroozifar, Hassan Mansouri Torshizi

SYNTHETIC METALS Volume: (255) 116115-1 - 116115-9

14. Sonochemical synthesis of high-performance PdCuNWs/MWCNTs-CH electrocatalyst by galvanic replacement toward ethanol oxidation in alkaline media

Majid Farsadrooh Rashti, Meissam Noroozifar, Ali Reza Modarresi Alam, Hamideh Saravani

ULTRASONICS SONOCHEMISTRY Volume: (51) 478 - 486

15. A new one-pot, and green strategy for the synthesis of networks of connected Pt nanoparticles decorated on MWCNTs as an excellent catalyst for anodic electrooxidation of methanol

Majid Farsadrooh Rashti, Meissam Noroozifar, Ali Reza Modarresi Alam, Hamideh Saravani

COMPOSITES PART B-ENGINEERING Volume: (160) 505 - 511

16. Metal-free Regioselective Mono Cyanation of Hydroxy-, Alkoxy- and Benzyloxyarenes by Potassium Thiocyanate and Silica Sulfuric Acid as a Cyanating Agent

Ali Reza Sardarian, Iman Dindarloo Inaloo, Ali Reza Modarresi Alam, Erich Kleinpeter, Uwe Schilde

JOURNAL OF ORGANIC CHEMISTRY Volume: (84) 1748 - 1756

17. Synthesis of daisy-shaped core-shell nanocomposites of chiral poly[(±)-2-(sec-butyl)aniline] in the solid state

Ali Reza Modarresi Alam, Abodlkarim Farrokhzadeh, Sahar Shabzendedar, Naeem Sedighi darijani

Iranian Polymer Journal Volume: (28) 75 - 86

18. A solid-state synthesis, mechanism, and characterization of high molecular weight poly (3-aminobenzenesulfonic acid) with FeCl₃.6H₂O as a binary oxidant and dopant

Ali Reza Modarresi Alam, Vahid Zeraatkar, , , , Reza Malekmakan

JOURNAL OF POLYMER RESEARCH Volume: (26) 22-1 - 22-16

19. Shape engineering of palladium aerogels assembled by nanosheets to achieve a high performance electrocatalyst

, Meissam Noroozifar, , Ali Reza Modarresi Alam, Hamideh Saravani

APPLIED CATALYSIS B-ENVIRONMENTAL Volume: (250) 242 - 249

20. The improved performance of lithium-ion batteries via the novel electron transport catalytic role of polyaniline (PANI) in PANI/ Co₃O₄-CuO raspberry as new anode material

Navid Zamani, Ali Reza Modarresi Alam, Meissam Noroozifar, Mehran Javanbakht

JOURNAL OF APPLIED ELECTROCHEMISTRY Volume: (49) 327 - 340

21. An easy and eco-friendly method to fabricate threedimensional Pd-M (Cu, Ni) nanonetwork structure decorated on the graphene nanosheet with boosted ethanol electrooxidation activity in alkaline medium

Majid Farsadrooh Rashti, Meissam Noroozifar, Ali Reza Modarresi Alam

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (44) 28821 - 28832

2018

22. Pd nanonetwork decorated on rGO as a high-performance electrocatalyst for ethanol oxidation

, Meissam Noroozifar, Nafiseh Alfi, Ali Reza Modarresi Alam, Hamideh Saravani

APPLIED SURFACE SCIENCE Volume: (462) 112 - 117

23. A simple and fast method for the preparation of super active Pd/CNTs catalyst toward ethanol electrooxidation

, Meissam Noroozifar, Nafiseh Alfi, Ali Reza Modarresi Alam, Hamideh Saravani

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (43) 12103 - 12109

24. Highly efficient synthesis of alkyl and aryl primary thiocarbamates and dithiocarbamates under metal- and solvent-free conditions

Ali Reza Sardarian, Iman Dindarloo Inaloo, Ali Reza Modarresi Alam

MOLECULAR DIVERSITY Volume: (22) 863 - 878

25. Synthesis and Application of Phosphorus/Co₃O₄- CuO Hybrid as High-Performance Anode Materials for Lithium-Ion Batteries

Navid Zamani, Ali Reza Modarresi Alam, Meissam Noroozifar

ACS Omega Volume: (3) 4620 - 4630

26. Therapeutic Anti-Inflammatory Potential of Different Formulations Based on Coenzyme Q10-Loaded Nanostructured Lipid Carrier: In Vitro, Ex Vivo, and In Vivo Evaluations

Nahid Ahmadi, Kobra Rostamizadeh, Ali Reza Modarresi Alam

EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY Volume: (120) 1800232-1 - 1800232-10

27. A Green and Simple Process for Preparation of Tetraalkylammonium Azide with Excellent Environmental Factor: Comparison of Batch and Flow Column Reactor

Abdolrahman Shalibor, Ali Reza Modarresi Alam

ORGANIC PROCESS RESEARCH and DEVELOPMENT Volume: (22) 1753 - 1760

28. Optically Active Poly[2-(sec-butyl)aniline] Nanofibers Prepared via Enantioselective Polymerization

Abdolrahman Shalibor, Ali Reza Modarresi Alam, Richard B. Kaner

ACS Omega Volume: (3) 18895 - 18905

29. Single-layer solar cell based on nanostructure of polyaniline on fluorine-doped tin oxide a simple low-cost and efficient FTO/PANI/Al cell

Naeem Sedighi darijani, Ali Reza Modarresi Alam, Meissam Noroozifar, ms hadavi

Journal of the Iranian Chemical Society JICS Volume: (2) 967 - 980

2017

30. Dynamic 1H-NMR study of unusually high barrier to rotation about the partial C-N double bond in N,N-dimethyl carbamoyl 5-aryloxytetrazoles

, Ali Reza Modarresi Alam, ,

JOURNAL OF MOLECULAR STRUCTURE Volume: (1133) 244 - 252

31. Enhancement in iron removal from raffinate in Sarcheshmeh Copper Complex leaching process: A case study

, Ali Reza Modarresi Alam, Meissam Noroozifar

ASIAN JOURNAL OF CHEMISTRY Volume: (29) 835 - 838

32. Palladium aerogel as a high-performance electrocatalyst for ethanol electro-oxidation in alkaline media

, Meissam Noroozifar, Ali Reza Modarresi Alam, Hamideh Saravani

Journal of Materials Chemistry A Volume: (5) 10244 - 10249

33. 22- bipyridine coplanar with coordination square of Pd(II) nonyldithiocarbamate antitumor complex interacting with DNA in two distinct steps

Mohammad Aminzadeh, Hassan Mansouri Torshizi, Ali Reza Modarresi Alam

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (35) 2301 - 2313

2016

34. The effect of initiators and oxidants on the morphology of poly [(±)-2-(sec-butyl) aniline] a chiral bulky substituted polyaniline derivative

, Ali Reza Modarresi Alam

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (27) 131 - 139

35. Solid-state synthesis of a new composite of polyaniline and silica via oxidation of aniline hydrochloride by FeCl₃.6H₂O as both oxidant and dopant (primary and secondary

Hajar Bagheri koosheh, Ali Reza Modarresi Alam

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (27) 1038 - 1049

36. Solid-state synthesis of a new core-shell nanocomposite of polyaniline and silica via oxidation of aniline hydrochloride by FeCl₃.6H₂O

, Ali Reza Modarresi Alam

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: () 1 - 12

37. Preparation of Modified Sulfonated Poly(styrene divinylbenzene) with Polyaniline as a New Polymer Electrolyte Membrane for Direct Methanol Fuel Cell

, Meissam Noroozifar, Ali Reza Modarresi Alam

International Journal of Electrochemical Science Volume: (11) 5302 - 5317

38. A Theoretical Study of π -Stacking interactions in C-Substituted Tetrazoles

, Ali Reza Modarresi Alam, , Ali Ebrahimi

JOURNAL OF MOLECULAR GRAPHICS and MODELLING Volume: (67) 85 - 93

39. Preparation of new conductive nanocomposites of polyaniline and silica under solid-state condition

Ali Reza Modarresi Alam, , , , Vahid Zeraatkar, , Sahar Shabzendedar,

Volume: (29) 387 - 398

40. Complete doping in solid-state by silica-supported perchloric acid as dopant solid acid: Synthesis and characterization of the novel chiral composite of poly [(7)-2-(sec-butyl) aniline]

Abodlkarim Farrokhzadeh, Ali Reza Modarresi Alam

JOURNAL OF SOLID STATE CHEMISTRY Volume: (237) 258 - 268

2015

41. The effect of initiators and oxidants on the morphology of poly [(±)-2-(sec-butyl) aniline] a chiral bulky substituted polyaniline derivative

, Ali Reza Modarresi Alam

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: () 1 - 9

42. The first report of polymerization and characterization of aniline bearing chiral alkyl group on ring via covalent bond; poly[(±)-2-(sec-butyl)aniline]

Ali Reza Modarresi Alam, , , , ,

JOURNAL OF MOLECULAR STRUCTURE Volume: () 17 - 26

2014

43. Conformation Analysis and Computation of Energy Barrier to Rotation about C-N Bond in Para-Methylphenyl Carbamate and its Solvent Dependence in Comparison with tertiary Carbamates and tertiary Amides

Ali Reza Modarresi Alam, Alireza Nowroozi, ,

JOURNAL OF MOLECULAR STRUCTURE Volume: (1076) 299 - 307

44. A facile synthetic method for novel imidoyl iminosulfuranes from imidoyl azides

, Ali Reza Modarresi Alam,

TETRAHEDRON LETTERS Volume: (55) 5892 - 5894

45. Solvent-free Preparation of 5-Aryloxytetrazoles via 2 3 Cycloaddition of Cyanates and Sodium Azide Using Silica Supported Sulfuric Acid as an Effective Heterogeneous Catalyst

, , , , Ali Reza Modarresi Alam, Alireza Rezvani, Ali Akbar Mirzaei, Malektaher Maghsoodlou

Chemistry of Heterocyclic Compounds Volume: () -

46. A facile method for the synthesis of novel imidoyl iminosulfuranes from imidoyl azides

, Ali Reza Modarresi Alam,

TETRAHEDRON LETTERS Volume: () 5892 - 5894

47. Conformation analysis and computation of energy barrier to rotation about CAN bond in para-methylphenyl carbamate and its solvent dependence in comparison with tertiary carbamates and tertiary amides

Ali Reza Modarresi Alam, Alireza Nowroozi, , ,

JOURNAL OF MOLECULAR STRUCTURE Volume: () 299 - 307

48. Solvent-free Preparation of 5-Aryloxytetrazoles via 23 Cycloaddition of Cyanates and Sodium Azide Using Silica Supported Sulfuric Acid as an Effective Heterogeneous Catalyst

F. Khamooshi, B. Haghighi, K. Jhaleh, R. Aryan, Ali Reza Modarresi Alam, Alireza Rezvani, Ali Akbar

Chemistry of Heterocyclic Compounds Volume: (49) 1464 - 1468

2013

49. One-Step Synthesis of Sterically Hindered 1 5-Disubstituted Tetrazoles from Bulky Secondary N-Benzoyl Amides Using Triazidochlorosilane (TACS)

, Ali Reza Modarresi Alam

Research Journal of Chemical and Environmental Sciences Volume: (1) 28 - 33

50. One-Step Synthesis of Sterically Hindered 15-Disubstituted Tetrazoles from Bulky Secondary N-Benzoyl Amides Using Triazidochlorosilane (TACS)

, Ali Reza Modarresi Alam

RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT Volume: () 28 - 33

51. SOLVENT-FREE PREPARATION OF 5-ARYLOXYTETRAZOLES via [2 3] CYCLOADDITION USING SILICA SUPPORTED SULFURIC ACID AS AN EFFECTIVE OF CYANATES AND SODIUM AZIDE HETEROGENEOUS CATALYST

, , , , Ali Reza Modarresi Alam, Alireza Rezvani, Ali Akbar Mirzaei, Malektaher Maghsoodlou

Chemistry of Heterocyclic Compounds Volume: (49) 1464 - 1469

2010

52. Solvent-free preoation of arylaminotetrazole derivatives using aluminum(III) hydrogensulfate as an effective catalyst

Ali Reza Modarresi Alam

CHINESE CHEMICAL LETTERS Volume: (21) -

53. Solvent-free preparation of arylaminotetrazole derivatives using aluminum(III) hydrogensulfate as an effective catalyst

, Ali Reza Modarresi Alam

CHINESE CHEMICAL LETTERS Volume: () 892 - 896

2009

54. Dynamic ¹H NMR Spectroscopic Study of the Ring Inversion in N-Sulfonyl Morpholines- Studies on N-S Interactions

Ali Reza Modarresi Alam

JOURNAL OF ORGANIC CHEMISTRY Volume: () -

55. Synthesis of 5-Arylamino-1H (2H)-tetrazoles and 5-Amino-1-aryl-1H-tetrazoles from Secondary Arylcyanamides in Glacial Acetic Acid A Simple and Effective Method

Ali Reza Modarresi Alam,

TURKISH JOURNAL OF CHEMISTRY Volume: (33) -

56. Dynamic ^1H NMR Spectroscopic Study of the Ring Inversion in N-Sulfonyl Morpholines Studies on N-S Interactions

Ali Reza Modarresi Alam

JOURNAL OF ORGANIC CHEMISTRY Volume: () 4740 - 4746

2008

57. $\text{Al}(\text{HSO}_4)_3$ mediated for the preparation of primary carbamates under solvent-free conditions

Ali Reza Modarresi Alam, ,

Scientia Iranica Volume: (15) -

2007

58. Dynamic ^1H NMR study of the Barrier to Rotation about the C-N Bond in Primary Carbamates and Its Solvent Dependence (ISI)

Ali Reza Modarresi Alam, , , , , Erich Kleinpeter

JOURNAL OF ORGANIC CHEMISTRY Volume: () -

59. Silica supported perchloric acid ($\text{HClO}_4\text{-SiO}_2$) an efficient reagent for the preparation of primary carbamates under solvent-free conditions (ISI)

Ali Reza Modarresi Alam

TETRAHEDRON Volume: () -

60. Dynamic ^1H NMR spectroscopic study of the restricted S-N rotation in aryl-N-(arylsulfonyl)-N-(triphenylphosphoranylidene)imidocarbamates (ISI)

Ali Reza Modarresi Alam

JOURNAL OF MOLECULAR STRUCTURE Volume: () -

61. Solvent-free preparation of primary carbamates using silica sulfuric acid as an efficient reagent (ISI)

Ali Reza Modarresi Alam, ,

ARKIVOC Volume: () -

62. Dynamic ^1H NMR Study of the Barrier to Rotation about the C-N Bond in Primary Carbamates and Its Solvent Dependence

Ali Reza Modarresi Alam

JOURNAL OF ORGANIC CHEMISTRY Volume: () 2208 - 2211

63. Solvent-free preparation of primary carbamates using silica sulfuric acid as an efficient reagent

Ali Reza Modarresi Alam

ARKIVOC Volume: () 238 - 245

2006

64. Solvent-Free Preparation of Primary Carbamates (ISI)

Ali Reza Modarresi Alam, ,

TURKISH JOURNAL OF CHEMISTRY Volume: () -

65. Ab initio and Semiempirical Conformational and Configurational Analysis of N-2-(1 4-Dioxane)-N -(4-methyl BenZenesulfonyl) -O-(4-methylphenoxy)isourea

Ali Reza Modarresi Alam

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

66. Ab initio and Semiempirical Conformational and Configurational Analysis of N-2-(1,4-Dioxane)-N'-(4-methylbenzenesulfonyl)-O-(4-methylphenoxy)isourea

Ali Reza Modarresi Alam

Journal of the Iranian Chemical Society JICS Volume: () 51 - 58

67. Solvent-Free Preparation of Primary Carbamates

Ali Reza Modarresi Alam

TURKISH JOURNAL OF CHEMISTRY Volume: () 269 - 276

2005

68. Density Functional Theory Demonstration of Anomeric Effect and Structure Conformational and Configurational Analysis of N-2-(1 4-Dioxane)-N -(4-methylbenzenesulfonyl)-O-(4-methylphenoxy) Isourea

, , Ali Reza Modarresi Alam

BULLETIN OF THE KOREAN CHEMICAL SOCIETY Volume: () -

2004

69. A one Pot synthesis of Aryl N (4 methylphenylsulfonyl) N

Ali Reza Modarresi Alam

SYNTHETIC COMMUNICATIONS Volume: () -

70. Dynamic ¹H-NMR Study of 4-Methylphenoxyimidoyl Azides Conformational or Configurational Isomerisation

Ali Reza Modarresi Alam

TETRAHEDRON Volume: () -

71. A One-pot Synthesis of Aryl-N- (4-ethylphenylsulfonyl) -N-triphenylPhosphoranylidene)imidocarbamates from 5-Aryloxytetrazoles

Ali Reza Modarresi Alam

SYNTHETIC COMMUNICATIONS Volume: () -

72. Dynamic ¹H NMR study of 4 _ methylphenoxy ..

Ali Reza Modarresi Alam

TETRAHEDRON Volume: () -

73. A One-Pot Synthesis of Aryl-N- [(4-methylphenylsulfonyl)]-N-(triphenylphosphoranylidene)imidocarbamates from 5-Aryloxytetrazoles

Ali Reza Modarresi Alam

SYNTHETIC COMMUNICATIONS Volume: () 129 - 135

74. Dynamic ¹H NMR study of 4-methylphenoxyimidoyl azides: conformational or configurational isomerisation

Ali Reza Modarresi Alam

TETRAHEDRON Volume: () 1525 - 1530

2003

75. Dynamic ¹H-NMR Study of 4-Methylphenoxyimidoyl Azides Conformational or Configurational Isomerisation

Ali Reza Modarresi Alam, ,

TETRAHEDRON Volume: () -

2002

76. Experimental demonstration of anomeric effect and structure X-ray conformational and configurational analysis of N-2-(1 4-dioxane)-N -(p-methylbenzenesulfonyl)-O-(p-methylphenoxy) isourea

, Ali Reza Modarresi Alam, ,

TETRAHEDRON Volume: () -

2000

77. The stereoselective synthesis and the nitrogen interconversion studies of 2-(tert-butoxymethyl)-1- N -(4-ethylbenzenesulfonyl) (4-methylphenoxy) imidoyl aziridine

Ali Reza Modarresi Alam

JOURNAL OF CHEMICAL RESEARCH-S Volume: () -

78. A facile and efficient method for synthesis of the aryloxyimidoyl azides

Ali Reza Modarresi Alam

JOURNAL OF CHEMICAL RESEARCH-S Volume: () -

Conferences Papers

2021

1. به عنوان بازدارنده (II,III) مطالعات تجربی روی عملکرد نانوکامپوزیت پلی آنیلین- اکسید آهن خوردگی آهن در اسید

5th Iranian Applied Chemistry Seminar

Zohre Moradi, Zahra Yavari, Farideh Paymozd, Ali Reza Modarresi Alam

2020

2. Solvent-free template synthesis of superparamagnetic Fe₃O₄@PANI nanocomposite as an electron transport layer in polymer solar cells

14th International Seminar on Polymer Science and Technology (ISPST 2020) Tarbiat Modares University, Tehran, Iran

Fatemeh Sadegh, Ali Reza Modarresi Alam

2019

3. Application of conducting polymers (polyanilines) in sustainable and renewable energies and electronic systems

26th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam

2018

4. Synthesis of a superparamagnetic core-shell nanocomposite of poly(m-amino benzenesulfonic acid) and Fe₃O₄ and its high efficiency in solar cell

Sahar Shabzendedar, Ali Reza Modarresi Alam

5. Synthesis of p-Aminoazobenzene nanosheet via green chemistry and Study on its photovoltaic properties by preparation its solar cell

Sahar Shabzendedar, Ali Reza Modarresi Alam

2016

6. Solid-State Synthesis of a New Core- Shell Chiral Nanocomposite of Poly [(±)-2-(sec-butyl) aniline] and Nanosilica- Supported Perchloric Acid as Dopant Solid Acid.

MACRO 2016 - 46th IUPAC WORLD POLYMER CONGRESS, from 17th to 21st July 2016.

Ali Reza Modarresi Alam,

2009

7. The synthesis of arylsulfonates from primary carbamates

Ali Reza Modarresi Alam, ,

8. A new extracted Flavonol glycoside from the root of the *Euphorbia condylocarpa* and investigation of its antioxidant properties using FRAP and DPPH methods

Sangtrash Mohammad Hosein, Ali Reza Modarresi Alam,

2008

9. Dynamic ^1H -NMR Study of Rotation Barrier Around C N Bond in Primary Carbamates and Their Solvent Dependence

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam,

10. The Aim Importance and Methods of Asymmetric Synthesis

9th ECRICE

Ali Reza Modarresi Alam,

2007

11. Silica supported perchloric acid ($\text{HClO}_4\text{-SiO}_2$) An efficient reagent for the preparation of primary carbamates under solvent-free conditions

International Symposium on Catalysis and Fine Chemicals

Ali Reza Modarresi Alam, ,

2006

12. Effects of Sulfonyl Group Substitution on Nitrogen on Energy Barrier of Ring Inversion in N-Sulfonyl Morpholines

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam, ,

13. Synthesis of N-(4-Methylbenzenesulfonyl) Arylamino Imidoyl Azides

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam,

14. Conformational Analysis and Properties of Eight-membered Rings Containing Two Phosphaallene Units

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam, ,

15. Conformational Analysis and Properties of Nine-membered Rings Containing Two Phosphaallene Units

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam, ,

16. Conformational Analysis and Properties of Ten-membered Rings Containing Two Phosphaazaallene Units

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam, ,

17. Synthesis of Sulfilimines by Imidoylazides

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam,

18. Conformational Analysis and Properties of Eight-membered Rings Containing Two Phosphaazaallene Units

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam, ,

19. Conformational Analysis and Properties of Nine-membered Rings Containing Two Phosphaazaallene Units

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam, ,

20. Conformational Analysis and Properties of Ten-membered Rings Containing Two Phosphaallene Unit

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam, ,

21. Study of Time and Temperature Effects on Yield and Isomerization of 5-Aryl aminotetrazoles and 1-Aryl-5-aminotetrazoles

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam,

22. N-Substituent effects on the structure and stability of phosphaazaallenes Ab initio studies

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam, ,

23. Conformational Analysis and Properties of Ten-membered Rings Containing Two Phosphazaallene Unit

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam

24. P-Substituent effects on the structure and stability of phosphaazaallenes Ab initio and studies

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam

25. Synthesis of Sulfilimines by Imidoylazides

13th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam

2005

26. Dynamic ¹H-NMR study of Aryl-N-(Arylsulfonyl)-N-(Triphenylphosphoranylidene) Imidocarbamates

40th IUPAC Congress

Ali Reza Modarresi Alam, ,

27. The Synthesis of novel Chiralimidoyl azide and its Application in Asymmetric Synthesis

11th Iranian Seminar Organic Chemistry

Ali Reza Modarresi Alam

28. The Syudy of Dynamic ¹H-NMR of Morpholine Amides

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29. Theoretical Studies of N-Substituent Effect On the Structure and Stablty of Phosphaazaallenes by PM3

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30. PM3 Studies pf P-Substituent Effect on the Structure and Stability of Phosphaazaallenes

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2004

31. The study of 1 3 Allylic strain in Imidoyl N-2 Amino .

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32. P- Substituent effects on phosphallents .

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33. C-substituent effect on structure and

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34. The solid stable Beckmanu Rearrangment

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35. A one pot synthesis of Aryl- N (4 Methyl)

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36. AM1 Studies of Anomeric Effect in Imidoyl-N-2_Amino-N-Substituted Morpholines

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37. Synthesis of primary alkyl carbamates in solid-state

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38. The Synthesis of 5-Arylamino-tetrazoles from Arylcyanamides The Simple and Effective Method

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39. Ab initio and AM1 calculations on P-substituted and C- substituted phosphallenes stabilization energies correlations with Taft's dual-substituent-parameters (σ) modified Swain Lupton (F R) and Hammett (ρ) constants

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40. P-substituent effects on the structure and stability of phosphallenes Ab initio and AM1 studies

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41. C-substituent effects on the structure and stability of phosphallenes Ab initio and AM1 studies

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42. Solventless preparation of primary aryl carbamates

Southern Regional ACS meeting in the Research Triangle Park

Ali Reza Modarresi Alam

43. AM1 Studies of Anomeric Effect in Imidoyl-N-2-Amino-N-Substituted Morpholines

14 Iranian chemistry chemical Engineering congress

Ali Reza Modarresi Alam,

44. P-Substituent effects on phosphallenes structure and stability An ab initio study

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45. C-Substituent effects on structure and stability of phosphallenes by AM1 molecular orbital calculations

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46. The Solid-State Beckmann Rearrangement of Ketoximes by Aluminium trichloride and Phosphorus Pentachloride

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Ali Reza Modarresi Alam,

47. The Study of 1 3-Allylic Strain in Imidoyl-N -2-Amino-N-Acyl Morpholines by AM1 Molecular Orbital Calculations

14 Iranian chemistry chemical Engineering congress

Ali Reza Modarresi Alam,

48. A One-pot Synthesis of Aryl-N- (4-Methylphenylsulfonyl) -N-(Triphenylphosphoranylidene) Imidocarbamates from 5-Aryloxytetrazoles

14 Iranian chemistry chemical Engineering congress

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2000

49. Dynamic ¹H-NMR Study of N-(4-Methylbenzenesulfonyl) (4-Methylphenoxy) Imidoyl Azide

8th Iranian Seminar in Organic Chemistry

Ali Reza Modarresi Alam

50. The Study of Anomeric Effect in N-2-(1 4-Dioxane)-N -(4-Methylbenzenesulfonyl)-O-(4-Methylphenoxy) Isourea

8th Iranian Seminar in Organic Chemistry

Ali Reza Modarresi Alam

51. P-Substituent effects on the structure and stability of phosphazenes Ab initio and PM3 studies

27th International Conference on Science Technology

Ali Reza Modarresi Alam,

52. Synthesis of N-Benzoyl-4-O-(1H-Tetrazol-5-yl)-L-Tyrosine Ethyl Ester

4th Eurasian Meeting on Heterocyclic Chemistry

Ali Reza Modarresi Alam, ,

53. The New Derivatives Synthesis of Tetrazoles by Reaction Between 5-Aryloxytetrazoles and (4-Methylbenzene) Sulfinylchloride

10th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam,

54. The Solid-State Beckmann Rearrangement of Oximes by Alumina and phosphorus Pentoxide

10th Iranian Seminar of Organic Chemistry

Ali Reza Modarresi Alam

55. A facile and efficient method for synthesis of the aryloxyimidoyl azides

56. Adouble Interconvrsion of Aziridine-Imine Nitrogens

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57. Structure and Conformational Analysis of I A Multiple Interconversion of Amino-Imine Nitrogens and Dioxane Ring

7th Iranian Seminar of Organic Chemistry

, Ali Reza Modarresi Alam

58. A Semiempirical(FM1 MNDO PM3)and D-NMR Studies of a Double Inversion of Azopirine-Imine Nitrogens

7th Iranian Seminar of Organic Chemistry

, Ali Reza Modarresi Alam,

59. The Facile and Effective Method for Synthesis of The 5-rylaminotetrazoles from Arylcyanamides

9th Iranian Seminar in Organic Chemistry

Ali Reza Modarresi Alam

60. THE SYNTHESIS OF BULKY SUBSTITUTED 1 5-TETRAZOLES AND THEIR STUDIES OF X-RAY AND DYNAMIC NMR

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Ali Reza Modarresi Alam, , Erich Kleinpeter