

SayyedMostafa Habibi Khorassani

Professor

Faculty : Science

Departments : Chemistry

Phone : +9854 - --------

Email : smhabibi@chem.usb.ac.ir

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

Education

- B.Sc, Pure Chemistry,Ferdowsi University of Mashhad - 1984
- MS, Chemistry,University of Mazandaran - 1987
- PhD, Physical Chemistry,University of Salford - 1998

Journals Papers

2021

1. Synthesis, Kinetics and a Full Mechanistic Investigation of Four-Component Reaction for Preparation of 2-Amino-3-Cyanopyridine Derivatives in the Presence of Green Catalysts

Sadegh Talayee far, SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Ebrahim Mollashahi

POLYCYCLIC AROMATIC COMPOUNDS Volume: (41) 143 - 159

2019

2. Kinetics and Mechanism of the Formation of Ylides, 1, 4 or 1, 5-Diionic Organophosphorus and Phosphonate Esters: A Review

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Bahareh Mostafa

MINI-REVIEWS IN ORGANIC CHEMISTRY Volume: (16) 59 - 77

3. Theoretical study to evaluation of corrosion inhibition performance of two thiocarbohydrazide inhibitors

SayyedMostafa Habibi Khorassani, maryam dehdab, Mahdieh Darijani

iranian chemical communication Volume: (7) 455 - 471

2018

4. Synthesis and Kinetics of Highly Substituted Piperidines in the Presence of Tartaric Acid as a Catalyst

, Mehdi Shahraki, SayyedMostafa Habibi Khorassani

COMBINATORIAL CHEMISTRY and HIGH THROUGHPUT SCREENING Volume: (21) 1 - 10

5. A study on the kinetics and mechanism of the one-pot formation of 3,4,5-substituted furan-2(5 H)-ones in the presence of lactic acid: effect of different substituents

Osman Asheri, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

PROGRESS IN REACTION KINETICS AND MECHANISM Volume: (43) 286 - 299

6. Effect of reactivity on kinetics and a mechanistic investigation of the reaction between dimethyl acetylenedicarboxylate and 1,3-dicarbonyl compounds in the presence of a catalyst: a spectrophotometric approach

Mahdieh Darijani, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

PROGRESS IN REACTION KINETICS AND MECHANISM Volume: (43) 79 - 90

7. Investigation of the Mannich reaction for generating a Beta-aminoketone: further treatment of kinetic results

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Elham Aghdaei, Bahareh Mostafa

Journal of Taibah University for Science Volume: (12) 46 - 55

2017

8. Theoretical Investigation of the Reaction Mechanism for a Type of N-heterocyclic Compound Involving Mono-N-aryl-3-aminodihydropyrrol

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, , Mohammad Ansarifard, Ali Hatami

Physical Chemistry Research Volume: (5) 755 - 769

9. Corrosion Inhibition of Copper in Acid Medium by Drugs: Experimental and Theoretical Approaches

Mehdi Shahraki, SayyedMostafa Habibi Khorassani, Meissam Noroozifar, , ,

Iranian Journal of Materials Science and Engineering Volume: (14) 35 - 47

10. Inhibition of aluminum corrosion in acid solution by environmentally friendly antibacterial corrosion inhibitors Experimental and theoretical investigations

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Meissam Noroozifar, Mahdieh Darijani, , Zahra Yavar

Protection of Metals and Physical Chemistry of Surfaces Volume: (53) 579 - 590

11. An experimental investigation of substituent effects on the formation of 2,3dihydroquinazolin4(1H)ones: a kinetic study

Bahareh Mostafa, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY Volume: (30) -

12. Insight into the Reaction Mechanism of -Amino Phosphonate Synthesis Using Succinic Acid as a Catalyst: Computational Kinetic Approach

SayyedMostafa Habibi Khorassani, Mehdi Shahraki,

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (64) 195 - 204

13. Investigation of rotations in isomerism forms of a ylide of theophylline: Dynamic 1 H NMR study

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Eideh Mofarrah,

ORIENTAL JOURNAL OF CHEMISTRY Volume: (33) -

14. The comparison of the dynamic 1H NMR measurements between two special ylides derived from triphenylphosphine and triethylphosphite: Experimental and theoretical calculations

, Mehdi Shahraki, SayyedMostafa Habibi Khorassani,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (192) -

15. Triphenylarsine as an effective catalyst in a mechanistic investigation of trans- 1, 2-di (methoxycarbonyl)-6, 6-dimethyl-5, 7-dioxaspiro [2, 5] octane-4, 8-dione formation

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (192) 960 - 966

16. Structural effects on kinetics and a mechanistic investigation of the reaction between DMAD and N–H heterocyclic compound in the presence of triphenylarsine: spectrophotometry approach

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Mahdieh Darijani

Chemistry Central Journal Volume: (71) 1 - 9

17. Kinetics and related studies of the formation of 2,3 dihydroquinazolin4(1H)ones in the presence of different benzaldehyde derivatives

Bahareh Mostafa, Mehdi Shahraki, SayyedMostafa Habibi Khorassani

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY Volume: (31) 2 - 10

18. Experimental and Theoretical Insight into the Kinetics and Mechanism of the Synthesis Reaction of 2,3-Dihydro-2-phenylquinazolin-4(1H)-one Catalyzed in Formic Acid

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Ali Ebrahimi, Mahdieh Darijani

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS Volume: (49) 157 - 172

2016

19. Theoretical study of inhibition efficiencies of some amino acides on corrosion of carbon steel in acidic media : green corrosion inhibitor

, Mehdi Shahraki, SayyedMostafa Habibi Khorassani

AMINO ACIDS Volume: (48) 291 - 306

20. Kinetic Aspects of Tetrahydrobenzo[b]pyran Formation in the Presence of Fructose as a Green Catalyst: a Mechanistic Investigation

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Ali Ebrahimi, Seyedeh shadfar Pourpanah

Physical Chemistry Research Volume: (4) 379 - 390

21. Variable temperatures 1H NMR technique on thekinetics and thermodynamic parameters ofequilibrium between the Z and E isomers in a stablephosphorus ylide involving an imidazolen

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

RSC Advances Volume: (6) 46345 - 46349

22. Kinetic study of the reaction of 2-aminobenzamid with 2, 6-dicholorobenzald-ehyde for producing 2-(2,6-dichlorophenyl)-2,3-dihydroquinazolin-4(1H)-one

Mehdi Shahraki, SayyedMostafa Habibi Khorassani,

Journal of Chemical and Pharmaceutical Research Volume: (5) 78 - 87

23. Kinetic Aspects of Tetrahydrobenzo[b]pyran Formation in thepresence of Agar as a Green Catalyst : A Mechanistic Investigation

Mehdi Shahraki, SayyedMostafa Habibi Khorassani, Seyedeh shadfar Pourpanah

BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA Volume: (13) 715 - 723

24. Kinetics and Mechanism Investigation on Green and Three–Component one Spot Synthesis of 4H-tetrahydrobenzo[b]pyrans using Caffeine as a Facile and Green Catalyst

SayyedMostafa Habibi Khorassani, Mehdi Shahraki,

ORIENTAL JOURNAL OF CHEMISTRY Volume: (32) 1559 - 1570

25. Insights into the Reaction Mechanism of the Tetrahydrobenzo[b]pyran by means of Kinetic Studies in the Presence of Fructose as a Green Catalyst

Younes Ghalandarzehi, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

ORIENTAL JOURNAL OF CHEMISTRY Volume: (32) 2735 - 2743

26. Kinetic Spectrophotometric Method for the 1,4-Diionic Organophosphorus Formation in the Presence of Meldrums Acid: Stopped-Flow Approach

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

MOLECULES Volume: (11) 1514 -

27. Synthesis and characterization of dimethyl 6-bromo-2H-chromene-2,3-dicarboxylate: thermodynamic and kinetics investigations by computational and experimental studies

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

RSC Advances Volume: () 111239 - 111249

28. Caffeine Catalyzed Synthesis of Tetrahydrobenzo[b]pyran Derivatives: Synthesis and Insight into Kinetics and Mechanism

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Ebrahim Mollashahi, Seyedeh shadfar Pourpanah,

JOURNAL OF COMBINATORIAL CHEMISTRY Volume: (19) 1 - 10

29. Kinetic investigation of tetrahydrobenzo[b]pyran synthesis in the presence of fructose as a catalyst via a three-component reaction: an experimental study

, SayyedMostafa Habibi Khorassani, Ali Ebrahimi

Bulgarian Chemical Communications Volume: (48) 244 - 249

2015

30. Kinetic spectrophotometric approach to the reaction mechanism of pyrrole phosphorus ylide formation based on monitoring the zwitterionic intermediate by using the stopped-flow technique

Mehdi Shahraki, SayyedMostafa Habibi Khorassani

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY Volume: () 396 - 402

31. Dynamic 1H NMR studies of hindered internal rotations in the synthesized particular phosphorus ylide Experimental and theoretical approaches

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Malektaher Maghsoodlou

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: (145) 410 - 416

32. Fructose-catalyzed synthesis of tetrahydrobenzo b pyran derivatives Investigation of kinetics and mechanism

Seyedeh shadfar Pourpanah, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

CHINESE JOURNAL OF CATALYSIS Volume: (36) 757 - 763

33. Sucrose catalyzes synthesis of 2-amino-4H-chromene Insight to the kinetics

Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

Iranian Journal of Catalysis Volume: (5) 79 -

34. The effect of intramolecular hydrogen bond on the N-glycosidic bond strength in 3-methyl-2-deoxyadenosine: A quantum chemical study

, Ali Ebrahimi, , SayyedMostafa Habibi Khorassani

STRUCTURAL CHEMISTRY Volume: () 411 - 419

35. A Novel Route for the Diastereoselective Synthesis of Dispirotetrahydroquinoline-bis(22-dimethyl13dioxane-46-dione) Derivatives via a One-Pot Domino Multicomponent Reaction of Arylamines Aromatic Aldehydes and Meldrums Acid

, Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, Niloufar Akbarzadeh- To

JOURNAL OF HETEROCYCLIC CHEMISTRY Volume: () 873 - 879

36. Effect of different substituents on the one-pot formation of 3,4,5-substituted furan-2(5H)-ones: a kinetics and mechanism study

Mehdi Shahraki, SayyedMostafa Habibi Khorassani

RSC Advances Volume: () -

37. An experimental and theoretical study of a hydrogen-bonded complex: O-phenylenediamine with 2,6-pyridinedicarboxylic acid

, Alireza Rezvani, SayyedMostafa Habibi Khorassani, Mehdi Shahraki, , , ,

JOURNAL OF MOLECULAR STRUCTURE Volume: () 597 - 604

38. The Hindered Internal Rotations in a Particular Phosphorane Involving a 6-aza Thiothymine: An Experimental Dynamic 1H NMR Study with Three Methods of Determining Activation Parameters

Eideh Mofarrah, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki

APPLIED MAGNETIC RESONANCE Volume: (46) 1179 - 1188

39. Fructose-catalyzed synthesis of tetrahydrobenzo[b]pyran derivatives: Investigation of kinetics and mechanism

Seyedeh shadfar Pourpanah, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

CHINESE JOURNAL OF CATALYSIS Volume: (36) 757 - 763

40. Sucrose catalyzes synthesis of 2-amino-4H-chromene: Insight to the kinetics

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki, , ,

Iranian Journal of Catalysis Volume: (5) 79 - 87

41. Dynamic 1H NMR studies of hindered internal rotations in the synthesized particular phosphorus ylide: Experimental and theoretical approaches

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Malektaher Maghsoodlou, Susan Erfani

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42. A Thermodynamic and Kinetic Insight into the Pathways Leading to a Highly Functionalized Ketenimine: A Computational Study

Mahdieh Darijani, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS Volume: (47) 751 - 763

43. Inhibitory effect of some benzothiazole derivatives on corrosion of mild steel: A computational study

, Mehdi Shahraki, SayyedMostafa Habibi Khorassani

Iranian Journal of Science and Technology Transaction A-Science Volume: (39) 311 - 324

44. A novel high performance stopped-flow apparatus equipped with a special constructed mixing chamber containing a plunger under inert condition with a very short dead-time to investigate very rapid reactions

SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou, Mehdi Shahraki, ,

Arabian Journal of Chemistry Volume: () 873 - 884

45. Kinetic and Mechanistic Elucidation of the FormationReaction of 3,4,5-Substituted Furan-2(5H)-Onesin Formic Acid as the Solvent

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, ,

JOURNAL OF SOLUTION CHEMISTRY Volume: (44) 2154 - 2166

46. An efcient one-pot synthesis of C-alkylated phenols and benzofuran derivatives with phosphanylidene substituents

Malektaher Maghsoodlou, Reza Heydari, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, , , ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2609 - 2617

47. A simple, economical, and environmentally benign protocol for the synthesis of [1,2,4]triazolo[5,1b]quinazolin8(4H)one and hexahydro[4,5]benzimidazolo[2,1b]quinazolinone derivatives

Mir Mousavi, Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

Journal of the Iranian Chemical Society JICS Volume: () 1419 - 1425

48. 1 Dynamic 1 H NMR studies around the heteroaryl– carbon (N CH2N) and nitrogen–carbon (N C=CH) single bonds in a particular enaminoester involving a phenanthridine along with theoretical calculations

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 3307 - 3317

49. Full kinetics and a mechanistic investigation of threecomponent reaction catalyzed by sodium acetate leading to 3,4-dihydropyrano[c]chromene

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki, Sadegh Talaiefar, , Jasem A

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 5821 - 5833

50. The hindered internal rotations in isomerism forms of a particular phosphorane involving 2-chloro-phenothiazine: Dynamic 1H NMR study

Eideh Mofarrah, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki

INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY Volume: (54) 1528 - 1534

51. Dynamic 1H NMR studies around the heteroarylcarbon (N CH2N) and nitrogen–carbon (N C=CHsingle bonds in a particular enaminoester involvinga phenanthridine along with theoretical calculations)–

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 3307 - 3317

52. Dynamic 1H NMR and Theoretical Study of the Synthesizedphosphourus ylide containing of carbamate derivatives

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

ORIENTAL JOURNAL OF CHEMISTRY Volume: (31) 2427 - 2433

53. Mechanistic and Full Kinetic Study of the Reaction between 4-cholorobenzaldehyde, malononitryle, and dimedone uisng caffeine as agreen catalyst

, SayyedMostafa Habibi Khorassani, Ali Ebrahimi

ORIENTAL JOURNAL OF CHEMISTRY Volume: (31) 2107 - 2113

54. Kinetic Investigation of the Synthesis Reaction of 2-phenyl-1H-benzo[d]imidiazole catalyzed by xylose

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA Volume: (12) 3101 - 3111

55. Dynamic 1H NMR Study of the Hindered Internal Rotation in a particular biological phosphorus ylide involving 6-azuracile

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, Malektaher Maghsoodlou, Eideh Mofarrah, ,

BIOMEDICAL and PHARMACOLOGY JOURNAL Volume: (8) 562 - 572

56. Green synthesis of 1,4-dihydropyrano[2,3-c]pyrazole derivatives using maltose as biodegradable catalyst

, Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Sajad Salahi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 2513 - 2519

57. Full kinetics and a mechanistic investigation of three-component reaction catalyzed by sodium acetate leading to 3,4-dihydropyrano[c]chromene

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki, Sadegh Talayee far, ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 5821 - 5837

58. Effect of different substituents on the one-pot formation of 3,4,5-substituted furan-2(5H)-ones: a kinetics and mechanism study

Mehdi Shahraki, SayyedMostafa Habibi Khorassani,

RSC Advances Volume: (5) 52508 - 52515

2014

59. determination of the relative stability of the two gauch and anti configurations in the synthesize of new b-aminophosphonate esters theoretical studies

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Nourallah Hazeri

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2703 - 2719

60. Kinetics investigation of the synthesis..... acetic acid as a catalyst

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki

Iranian Journal of Catalysis Volume: (4) 241 - 246

61. 1HNMR spectroscopic investigation of the kinetics of the equilibrium betwwen Z and E isaomers

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2729 - 2736

62. Relationship between cation-pi and anion-pi interactions: individual binding energies in the pi-M-pi-X-pi system

Ali Ebrahimi, SayyedMostafa Habibi Khorassani, Roya Behazin, , ,

MOLECULAR PHYSICS Volume: (112) 41 - 48

63. The effects of interactions of dicarboxylic aids on the stability of the caffeine molecule: A theorectical study

, Ali Ebrahimi, SayyedMostafa Habibi Khorassani, , Roya Behazin

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: () 1116 - 1123

64. Theoretical study on the detailed repair of O6-methyl guanine to guanine by cysteine

Ali Ebrahimi, SayyedMostafa Habibi Khorassani, , Roya Behazin,

JOURNAL OF CHEMICAL SCIENCES Volume: (126) 1803 - 1813

65. Determination of the relative stability of the two gaucheand anti-configurations in the synthesis of new

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, , Nourallah Hazeri, , , , , ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 2703 - 2719

66. Kinetics and Mechanism Investigation of the Synthesized Highly Diasteroselective Substituted Tetrahydropyridines in the Presence of La(NO3)3.6H2O as a Catalyst

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

CATALYSIS LETTERS Volume: (144) 1790 - 1796

67. Trityl chloride as an efficient organic catalyst for one-pot, five-component and diastereoselective synthesis of highly substituted piperidines

, Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 723 - 726

68. Kinetics investigation of the synthesis reaction of 2,3-dihydroquinazolin-4(1H)- ones in the presence of acetic acid as a catalyst

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki, , Jasem Aboonajmi,

Iranian Journal of Catalysis Volume: (4) 241 - 246

69. A green protocol for one-pot three-component synthesis of a-amino phosphonates catalyzed by succinic acid

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, , ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 1781 - 1788

70. Full kinetics investigation of the formation reaction of phosphonate esters in the gas-phase: a theoretical study

, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi

JOURNAL OF MOLECULAR MODELING Volume: () 1 - 19

71. A novel one-pot synthesis of symmetric dialkyl 2, 5-bis((2,6-dimethylphenyl)imino)-2,5-dihydrofuran-3, 4-dicarboxylate derivatives

Malektaher Maghsoodlou, , Nourallah Hazeri, SayyedMostafa Habibi Khorassani,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 779 - 765

72. Determination of the relative stability of the two gauche and anti-configurations in the synthesis of new -aminophosphonate esters: theoretical studies

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, , Nourallah Hazeri, , , , , ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (40) 2703 - 2719

73. Full Kinetics and a Mechanistic Investigation of the Green Protocol for Synthesis of -Aminoketone in the Presence of Saccharose as a Catalyst by a One-Pot Three-Component Reaction

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Mehdi Shahraki, Sadegh Talayee far, Mir Mou

Advances in Physical Chemistry Volume: (10) 1 - 8

2013

74. An efficient one-pot multi-component synthesis of 3 4 5-substituted furan-2(5H)-ones catalyzed by tetra-n-butylammonium bisulfate

, Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

chinese chemical letters Volume: (24) 901 - 903

75. Fe(NO3)3 9H2O as efficient catalyst for one-pot synthesis of highly functionalized piperidines

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (60) 355 - 358

76. Synthesis and crystal structure study of diethyl aryl(benzo d thiazol-2- ylamino)methyl phosphonates

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Niloufar Akbarzadeh- Torb

HETEROATOM CHEMISTRY Volume: (24) 58 - 65

77. Synthesis of highly functionalized piperidines via one-pot five-component reactions in the presence of acetic acid solvent

Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

SYNTHETIC COMMUNICATIONS Volume: (43) 635 - 644

78. Synthesis of new stable phosphorus ylides and 1 4-diionic organophosphorus compound from a reaction between hexamethyl phosphorous triamide and dimethyl acetylenedicarboxylate in the presence of CH-acids

Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

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79. A Green Protocol for One-Pot Three-Component Synthesis of Amidoalkyl Naphthols Catalyzed by Succinic Acid

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

Chemical Science Transactions Volume: (1) 330 - 336

80. Intramolecular hydrogen bonding in chemoselective synthesized 2-substituted pyrrole stable phosphorus ylide GIAO AIM and NBO approaches

Mehdi Shahraki, SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou

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81. Mechanistic study of the formation of a phosphonate ester containing 2 fluoroaniline

SayyedMostafa Habibi Khorassani, Ali Ebrahimi

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82. 1H NMR kinetic investigation of the equilibrium between the Z- and E-isomers in a stable phosphorus ylide involving 2-mercaptobenzimidazole

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi

PROGRESS IN REACTION KINETICS AND MECHANISM Volume: () 295 - 304

83. AIM analysis synthetic kinetic and mechanistic investigations of the freaction between triphenylphosphine and dialkylacetylendicarboxylate in the presence of 3-methoxythiophenol

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou

JOURNAL OF CHEMICAL SCIENCES Volume: (125) -

84. An efficient one-pot synthesis of C-alkylated phenols and benzofuran derivatives with phosphanylidene substituents

Malektaher Maghsoodlou, Reza Heydari, Nourallah Hazeri, , SayyedMostafa Habibi Khorassani,

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85. A novel one-pot synthesis of symmetric dialkyl 2 5-bis((2 6-dimethylphenyl)imino)-2 5-dihydrofuran-3 4-dicarboxylate derivatives

Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

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86. A one-pot multi-component synthesis of N-aryl-3-aminodihydropyrrol-2-one-4-carboxylates catalysed by oxalic acid dihydrate

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

JOURNAL OF CHEMICAL RESEARCH-S Volume: (37) 40 - 42

87. Kinetic and Mechanistic Insights into the pathway leading to cyclic crystaline phosphorous ylide formation in the presence of 3-chloropenthane-2.4-dione theoretical and stopped-flow approaches

Ali Ebrahimi, Niloufar Akbarzadeh- Torbati, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou,

international journal of chemical kinetics Volume: (45) 596 - 612

88. Caffeine as base analogue of adenine or guanine: A theoretical study

Ali Ebrahimi, SayyedMostafa Habibi Khorassani, , ,

JOURNAL OF MOLECULAR GRAPHICS and MODELLING Volume: () 81 - 91

89. Facile One-pot Synthesis of Substituted Dihydropyrrol-2-ones via Four-component Domino Reaction of Amines, Dialkyl Acetylenedicarboxylates and Formaldehyde

, Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: () 1003 - 1006

90. A one-pot multi-component synthesis of N-aryl-3-aminodihydropyrrol-2- one-4-carboxylates catalysed by oxalic acid dihydrate

, Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani,

JOURNAL OF CHEMICAL RESEARCH Volume: (37) 40 - 43

91. Kinetic and Mechanistic Q1 Insights into the Pathway Leading to Cyclic Crystalline Phosphorus Ylide Formation in the Presence of 3-Chloropentane-2,4-dione: Theoretical and Stopped-Flow Approaches

SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou, Niloufar Akbarzadeh- Torbati

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92. Synthesis and Crystal Structure Study of Diethyl Aryl(benzo[d]thiazol-2-ylamino)methyl Phosphonates

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Niloufar Akbarzadeh- Torb

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93. Entirely green protocol for the synthesis of b-aminoketones using saccharose as a homogenous catalyst

, Nourallah Hazeri, Malektaher Maghsoodlou, Sajad Salahi, SayyedMostafa Habibi Khorassani

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, Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, ,

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, Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Niloufar Akbarzadeh- To

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96. Fe(NO3)39H2O as Efficient Catalyst for One-pot Synthesis of Highly Functionalized Piperidines

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, Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

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99. Mechanistic study of the formation of a phosphonate ester containing 2fluoroaniline: theoretical assignment of the resulting isomer

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100. Theoretical study, synthesis, kinetics and mechanistic investigationof a stable phosphorus ylide in the presence ofmethyl carbamate as a NH-acid

, , SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, , , ,

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103. 1h NMR kinetic investigation of the equilibrium between the Z- and E-isomers in a stable phosphorus ylide involving 2 mercaptobenzimidazole

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104. One-pot three-component synthesis of highly substituted piperidines using 1-methyl-2-oxopyrrolidinium hydrogen sulfate

Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

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106. One-pot five-component synthesis of highly functionalized piperidines using oxalic acid dihydrate as a homogenous catalyst

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, SayyedMostafa Habibi Khorassani,

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108. A joint experimental and theoretical investigation of kinetics and mechanistic study in a synthesis reaction between triphenylphosphine and dialkyl acetylenedicarboxylates in the presence of benzhydrazide

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109. 1H NMR technique for kinetic investigation of equilibrium between the Z- and E-isomers in a stable phosphorus ylide involving a 2-indolinone

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110. Solvent-free conditions as an eco-friendly strategy for synthesis of organophosphorus compounds

Niloufar Akbarzadeh- Torbati, Reza Heydari, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, Malek

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111. Kinetics study of the reaction between triphenylphosphine dialkyl acetylenedicarboxylates and 2-mercoptobenzimidazole along with theoriticalcacuiation Amechanistic investigation

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, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, ,

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Ali Ebrahimi, , SayyedMostafa Habibi Khorassani,

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SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi

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Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

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Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani

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123. One-pot three-component synthesis of functionalized spirolactones by means of reaction between aromatic ketones dimethyl acetylenedicarboxylate and N-heterocycles

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, Malektaher Maghsoodlou, Nourallah Hazeri, Reza Heydari, SayyedMostafa Habibi Khorassani, Niloufar

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132. Synthesis of New Phosphonato Esters by Reaction between Triphenyl or Trialkyl Phosphite and Acetylenic Diesters in the Presence of NH-Containing Compounds

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133. F-H...N hydrogen bonds Influence of substituent and hybridization of nitrogen on H-bond properties and two-bond 19F-15N spin-spin coupling constants (2hJF-N)

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141. Synthesis of phosphonato esters involving heterocyclic biological bases in a highly diasteroselective and chemoselective route

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, Malektaher Maghsoodlou, Nourallah Hazeri, Reza Heydari, SayyedMostafa Habibi Khorassani, Ali Ebrah

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146. Quantum mechanical calculation for determination of more stable isomer of phosphorous ylide involving an indol

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148. Phenanthridine or isoquinoline are good reagents for the synthesis of enamino esters

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149. Zinc oxide-acetyl chloride as an efficient catalyst for the one-pot preparation of Knoevenagel condensation of aromatic aldehydes with 1 3-dimethylbarbituric acid

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157. An efficient method for synthesis of stable phosphorous ylides 1 4-diionic organophosphorus compounds in the presence of sodium dodecyl sulfate in aqueous media

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Ali Ebrahimi, SayyedMostafa Habibi Khorassani, Hadi Esmaeeli Darmian

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Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Reza Heydari, , Nourallah Hazeri, , , , Ale

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164. An Efficient Synthesis of a -Amino Phosphonates Using Silica Sulfuric Acid As a Heterogeneous Catalyst

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Nourallah Hazeri, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Ali Ebrahimi

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168. Theoretical kinetics and mechanism investigation of the reaction between triphenylphosphine di-tert-butyl acetylenedicarboxilate and OH-acid

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169. A facile synthesis and theoretical study of novel stable heterocyclic phosphorus ylides containing 2 4-dimethyl-3-acetyl pyrrole

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi

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SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou

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, Ali Ebrahimi, SayyedMostafa Habibi Khorassani,

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Malektaher Maghsoodlou, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, , , Mehdi Shahraki

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177. The effect of carbon hybridization and halogen-acceptor type on some calculated NMR data in C-X H-F hydrogen bonds

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, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani, Mohamed Makha

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181. NaHSO4 H2O as an efficient and eco-friendly catalyst for the one-pot multicomponent synthesis of -acetamido ketones under mild and heterogeneous conditions (ISI)

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182. A simple synthesis of enaminones from reaction between isocyanides and cyclic 1 3-dicarbonyl compounds

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183. Anion- interactions CP-corrected vs. standard optimization AIM and NBO analyses

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185. Kinetic study and mechanism. investigation of the reactions between triphenylphosphine dialkyl acetylenedicarboxilates and NH-acid such as 2-aminobenzimidazole by UV

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186. A comparison of C-C rotational barrier in 2 staffane 2 tetrahedrane and ethane

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Malektaher Maghsoodlou, , SayyedMostafa Habibi Khorassani, , Mohamad Makha

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190. Synthesis of heterocyclic stable phosphorus ylides from reaction between triphenylphosphine and activated acetylenic esters in the presence of biological active NH heterocyclic compounds

Malektaher Maghsoodlou, Reza Heydari, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, , , , , ,

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191. Biologically Active Benzoxazolinone in Reaction with Triphenylphosphine Dialkyl Acetylenedicarboxilates and Theoretical Study on the Kinetic and Mechanism Investigation of the Reactions

SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou,

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192. A Facile Synthesis of Stable Phosphorus Ylides Derived from 3 6-Dibromocarbazole and kinetic Investigation of the Reaction by UV Spectrophotometry Technique

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, , , ,

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193. Synthesis Dynamic 1H NMR and Theoretical Study of Aryl-Nitrogen Single Bond Rotational Energy Barriers in Highly Functionalized 4H-Chromenes

, Nourallah Hazeri, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Ali Ebrahimi, , ,

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, , Ali Ebrahimi, Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani,

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195. Interaction between some anions and deficient olefinic and aromatic centers

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196. Kinetic study and mechanism investigation of the reactions between triphenylphosphine dialkyl acetylene dicarboxylates and NH-acid such as Harman

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197. Stereoselective Synthesis of Helical Dihydrodipyrrolophenanthroline and Hindrance Hexa tert-butyl carboxylatodipyrrolophenanthroline from Reaction Between 1 10-Phenanthroline and Dialkyl acetylenedicarboxylates

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198. Stable phosphorus ylides and heterocyclic phosphonate esters derivatives synthesised from stereoselective reactions between triphenyl phosphite and activated acetylenic esters

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216. A Facile Synthesis of Stable Phosphorus yildes Derived from Harmin Harman and Carbazole (ISI)

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222. Synthesis and dynamic 13C NMR study of new system containing polarized carbon-carbon double bonds from reaction between cyclohexyl isocyanide and ethyl propiolate in the presence of N N -dimethylbarbituric acid (ISI)

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223. An efficient Synthesis of Stable Phosphorous yildes Derived from Pyrazole and Indazole (ISI)

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227. Diastereoselective synthesis of phosphonato esters by reaction between triphenylphosphite and acetylenic esters in the presence of NH-acid compounds (ISI)

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Nourallah Hazeri, SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou

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Ali Ebrahimi, , SayyedMostafa Habibi Khorassani

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1. Preparation and Characterization of Nano-Platinum supported on the Natrolite Zeolite

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SayyedMostafa Habibi Khorassani, Ali Ebrahimi

48. Theoretical study of interconversion and decomposition of furanones

Ali Ebrahimi, SayyedMostafa Habibi Khorassani,

49. Green Chemistry

SayyedMostafa Habibi Khorassani, Hamideh Saravani

50. synthesis of helical Dipyrrole Phenenthrolines From Reaction Between 1 10 Phenanthrolineand t-Butyl-Acetylene Dicarboxylate

10th Iranian Seminar of Organic Chemistry

Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

2001

51. Kinetic investigation of TCMP with methanole using the CSF apparatus with thermostated conductivity cell

The 4th Iranian Phys. Chem. Seminar

SayyedMostafa Habibi Khorassani, Ali Akbar Mirzaei

52. desing and testing of Special Stopped- Flow Apparatus to Study Rapid Reaction

4th physical chemistry seminar-kish

SayyedMostafa Habibi Khorassani

53. A Facile Synthetic Route to Highly Functionalized Helical Dipyrrolophenanthrolines from Reaction between 1 10 Phenanthroline and Dialkylacetylenedicarboxylates

Malektaher Maghsoodlou, SayyedMostafa Habibi Khorassani

54. Kinetic investigation of the reaction between tripenylphosphin Dialkyl etylendicarboxylate and pyrrol from study of the effects of acid-base catalysis micellisation and solvent on the rate of the rate of the reaction by UV Spectrophotometry technique.

SayyedMostafa Habibi Khorassani, Ali Ebrahimi,

55. Further kinetic investigation of the slow stage of the reaction between 1 1 1-Trichloro-3-Methyl-3-pbospholene and alcohols by UV spectophotometry technique.

The 5th Conference of physical Chemistry persian Gulf University

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Hamideh Saravani

56. Further kinetic investigation and solvent effects on the rate of the reaction between sodium hydroxide and carbon acids such as nitroalkanes by UV spectrophotometry Ihechnique

SayyedMostafa Habibi Khorassani, Ali Ebrahimi

57. Kinetic investigation of the reaction between triphenylphosphine (TPP) dialkyl acetylendicarboxylate (DMAD) and a carbon acid such as dibeozoylmelhao(DBM) by UV spectrophotometry technique.

The Third Congress of Chemistry of Islamic Azad University.

SayyedMostafa Habibi Khorassani, Hamideh Saravani

58. Further kinetic investigation of the reaction between triphenylphosphine di-tert-butyl acetytendicarboxylate and the N-H acid such as carbazole by UV spectrophotometry technique and effects or acid-base catalysis micellisation and solvent on the rate of the reaction

SayyedMostafa Habibi Khorassani, Ali Akbar Mirzaei,

59. Fur1her kinetic Investl adon or the reaction between triphenylphosphIne diethylacetylendicarboxylate and the N-H add such as carbazole by UV spectrophotometry technique and effects or acid-base catalysis micellisation and solvent on the rate of reaction.

SayyedMostafa Habibi Khorassani, Ali Akbar Mirzaei,

60. Kinetic Investigation of the reaction between biphenylphosphln (TPP). di-tert-butylacetylendicarboxylate(DTAD) and a N-H acide such as carbazole by UV spectrophotometer technique.

SayyedMostafa Habibi Khorassani

61. THE C-F...H-C ANTI-HYDROGEN BOND IN THE GAS PHASE A THEORETICAL STUDY

2nd Int . conf . on chemistry its application

, Ali Ebrahimi, SayyedMostafa Habibi Khorassani

Research Project

1999

1. Further Kinetic Investigation of Slow Stage of the Reaction Between 1,1,1-Trichloro – Methyl -3–phos

SayyedMostafa Habibi Khorassani - 1999