



Mehdi Shahraki

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Departments : Chemistry

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Education

- ✓ MS, Physical Chemistry, Sistan and Baluchestan University - 2004
- ✓ PhD, Physical Chemistry, - 2013

Courses

- | | |
|--------------------------------------|-------------------------------------|
| 1. si | 2. Chemical kinetics and dynamics |
| 3. physical chemistry 1 | 4. mathematics for chemistry |
| 5. advanced chemical kinetics | 6. Basic Concepts in thermodynamics |
| 7. Industrial Chemistry 1 | 8. physical chemistry 2 |
| 9. General chemistry 2 | 10. Advanced Physical Chemistry |
| 11. Chemical Modeling and Simulation | 12. Mathemics in physical chemistry |

Master Thesis

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

2. [Interconversions among the E²Z-Carotene Isomers: Theoretical Study](#)

Mahdieh Darijani, Mehdi Shahraki, Habibi Khorassani Sayyed Mostafa

Physical Chemistry Research Volume: (9) 69 - 83

3. [Kinetic Modeling on Mitoxantrone Release from Hyaluronic MNP as a Drug Delivery System](#)

Fatemeh Ghodsi, Mehdi Shahraki, Habibi Khorassani Sayyed Mostafa, Nematollah Omidikia, Mostafa Heida

chemical methodologies Volume: (5) 30 - 34

4. [A density functional theory study of the synthesis of 3-phospholene oxide through the McCormack cycloaddition reaction](#)

Sabrie Lashkarei, Mehdi Shahraki, Mahdieh Darijani, Fatemeh Mahmoudi

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (196) 414 - 421

5. [Kinetics and a mechanistic investigation of 2H-thiopyrano \[2, 3-b\] quinoline-2, 3-dicarboxylates from 2-mercaptoquinoline-3-carbaldehydes, dialkyl acetylenedicarboxylates and triphenylphosphine: Empirical approach](#)

Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki, Sadegh Talaiefar

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (196) 300 - 310

6. [Encapsulating and decontaminating of sarin by heptakis\(2,3,6-tri- O -methyl\)-beta-cyclodextrin: MD simulations and QM calculations](#)

Fatemeh Mahmoudi, Mehdi Shahraki

Molecular Systems Design & Engineering Volume: (6) 643 - 653

7. [In Vitro Apoptosis Evaluation and Kinetic Modeling onto Cyclodextrin-Based Host-Guest Magnetic Nanoparticles Containing Methotrexate and Tamoxifen](#)

Sayyed Mostafa Habibi Khorassani, Fatemeh Ghodsi, Hamide Arezomandan, Mehdi Shahraki, Nematollah Omi

BioNanoScience Volume: (11) 667 - 677

8. [Full Kinetics and Mechanism Investigation for Generating 4-Substituted 1, 4-Dihydropyridine Derivatives in the Presence of Green Catalyst and Aqueous Medium: Experimental Procedure](#)

Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki, Sadegh Talaiefar

CURRENT ORGANIC SYNTHESIS Volume: (18) 598 - 613

2020

9. Experimental and theoretical approaches on the reaction mechanism and kinetics of dimethyl 2-(6-oxopyridazin-1(6H)-yl)fumarate: Micelle and salt effects

Yaser Shahbakhsh, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (195) 96 - 106

10. Kinetic analysis of new multi-component reaction for the formation of Z-N-(3-(naphthalene-2-yl)-4-oxothiazolidine-2-ylidene) benzamide

Mahdieh Darijani, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki, Reza Heydari, Yaser Shahbakhsh,

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (195) 149 - 157

11. Effect of Medium on the Kinetics of Stereoselective Synthesis of a Highly Functionalized Cyclopropanesame

Fatemeh Mahmoudi, Mehdi Shahraki, Habibi-Khorassani Sayyed Mostafa

Physical Chemistry Research Volume: (8) 19 - 30

12. The Effect of Spatial Hindrance on Stereoselective Synthesis of Real Enaminoesters and Determination of the Relative Stability of the Two E- and Z-Isomers of Hypothetical Enaminoesters

Fatemeh Ghodsi, Mehdi Shahraki, Sayyed Mostafa Habibi-Khorassani, Mahmoud Nassiri, Malihe Fazilatkhah

POLYCYCLIC AROMATIC COMPOUNDS Volume: (40) 840 - 849

13. One-Pot Multicomponent Synthesis of 2H-Chromene Derivative, Kinetics, and Thermodynamic Studies Using a Stopped-Flow Technique in Combination with Theoretical Computation Methods

Osman Asheri, Mehdi Shahraki, Sayyed Mostafa Habibi-Khorassani

POLYCYCLIC AROMATIC COMPOUNDS Volume: (40) 714 - 731

14. Potassium Iodide as a New Nucleophilic Catalyst for the Novel Synthesis of Ionic Vinyl Compounds: Experimental and Theoretical Kinetic Approaches

Yaser Shahbakhsh, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki

ChemistrySelect Volume: (5) 8806 - 8813

15. Host-Guest interactions between nerve agent sarin and beta-Cyclodextrin: A theoretical investigation

Fatemeh Mahmoudi, Mehdi Shahraki

Journal of the Taiwan Institute of Chemical Engineers Volume: (116) 178 - 187

2019

16. 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

17. Understanding the domino reactions of alkyne-tethered N-tosylhydrazones yielding fused polycyclic pyrazoles. An MEDT study

Fatemeh Ghodsi, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki, Saeedreza Emamian, Mar Rios-Gutiér

TETRAHEDRON Volume: (75) 2807 - 2816

18. Kinetics and a Mechanistic Elucidation of Triphenylarsine as a Catalyst on One-Pot Reaction for the Formation of Dialkyl-2(2- Oxobenzo [d] Oxazol- 3(2H)- yl) Fumarate

Marjan Hashemi shahri, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki

Current Organocatalysis Volume: (5) 210 - 221

19. Kinetic study of stereoselective synthesis of highly functionalized cyclopropane catalyzed by triphenylarsine

Mahdieh Darijani, Mehdi Shahraki, Sayyed Mostafa Habibi-Khorassani

SN Applied Sciences Volume: (1) 553-1 - 553-9

2018

20. تهیه و مطالعه نانو اکسیدهای مختلط آهن-باریم با روش تجزیه حرارتی کمپلکس معدنی

Masoud Rafigh esmaeilzaei, Hamideh Saravani, Mehdi Shahraki

Volume: (13) 83 - 89

21. 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

22. 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

23. Computational Evaluation of N-Thiazolyl-2-Cyanoacetamide Derivatives on Corrosion Inhibition of Aluminum

Shirin Elmi, mm f, Mehdi Shahraki, m d, Mehdi Shahidi

Journal of Failure Analysis and Prevention Volume: (18) 887 - 904

24. 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

25. 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

26. preparation and charatcterization of nanonicleoxide and application in absorbtion of alominon

Niloufar Akbarzadeh- Torbati, Mehdi Shahraki,

Volume: (12) 213 - 228

27. 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

28. 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) -

29. 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

30. 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, ,

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

31. 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) -

32. 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) -

33. 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

34. 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

35. 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

36. Kinetics and related studies of the formation of 2,3 dihydroquinazolin-4(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

37. 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

38. 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

39. 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

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

, Mehdi Shahraki, SayyedMostafa Habibi Khorassani

AMINO ACIDS Volume: (48) 291 - 306

41. Theoretical studies on the corrosion inhibition performance of three amine derivatives on carbon steel: Molecular dynamics simulation and density functional theory approaches

Mehdi Shahraki, ,

Journal of the Taiwan Institute of Chemical Engineers Volume: () 313 - 321

42. Assignment of the Major Geometrical Isomer of the Synthesized Stable Phosphorus Ylide: Crystallography and Theoretical Approaches

Niloufar Akbarzadeh- Torbati, Mehdi Shahraki

BIOMEDICAL and PHARMACOLOGY JOURNAL Volume: (9) 133 - 142

43. 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

44. Variable temperatures ¹H NMR technique on the kinetics and thermodynamic parameters of equilibrium between the Z and E isomers in a stable phosphorus ylide involving an imidazolen

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

RSC Advances Volume: (6) 46345 - 46349

45. Kinetic study of the reaction of 2-aminobenzamid with 2, 6-dichlorobenzaldehyde 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

46. Kinetic Aspects of Tetrahydrobenzo[b]pyran Formation in the presence 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

47. 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

48. 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 Ghalandarzahi, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

Oriental Journal of Chemistry Volume: (32) 2735 - 2743

49. 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 -

50. 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

51. 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

2015

52. 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

53. 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

54. 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

55. 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 -

56. 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: () -

57. 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

58. 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

59. 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

60. 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

61. 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

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

62. 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

63. 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

64. 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

65. Kinetic and Mechanistic Elucidation of the Formation Reaction of 3,4,5-Substituted Furan-2(5H)-Ones in Formic Acid as the Solvent

SayyedMostafa Habibi Khorassani, Mehdi Shahraki, ,

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

66. 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 Talaiefar, , Jasem A

RESEARCH ON CHEMICAL INTERMEDIATES Volume: () 5821 - 5833

67. 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

68. Dynamic ¹H NMR and Theoretical Study of the Synthesized phosphorus ylide containing of carbamate derivatives

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

Oriental Journal of Chemistry Volume: (31) 2427 - 2433

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

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

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

70. 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

71. 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

72. 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

73. 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

74. Kinetics and Mechanism Investigation of the Synthesized Highly Diastereoselective Substituted Tetrahydropyridines in the Presence of $\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$ as a Catalyst

, SayyedMostafa Habibi Khorassani, Mehdi Shahraki

CATALYSIS LETTERS Volume: (144) 1790 - 1796

75. 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

76. A Facile One-Pot Synthesis of Functionalized 1,3-Oxathiolan-2-Yliden Derivatives: Multicomponent Reaction of Oxiranes in Water

, , Mehdi Shahraki

COMBINATORIAL CHEMISTRY and HIGH THROUGHPUT SCREENING Volume: () 35 - 37

77. A Facile One-Pot Synthesis of Functionalized 1,3-Oxathiolan-2-Yliden Derivatives: Multicomponent Reaction of Oxiranes in Water

, , Mehdi Shahraki

JOURNAL OF COMBINATORIAL CHEMISTRY Volume: (17) 35 - 37

78. 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

79. 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

STRUCTURAL CHEMISTRY Volume: (24) -

80. Kinetic and Mechanistic Insights into the pathway leading to cyclic crystalline phosphorous ylide formation in the presence of 3-chloropentane-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

81. 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, Younes Ghalan
STRUCTURAL CHEMISTRY Volume: (24) 623 - 635

1921

82. aaa

, Alireza Rezvani, SayyedMostafa Habibi-Khorassani, Mehdi Shahraki, , , ,
JOURNAL OF MOLECULAR STRUCTURE Volume: () -

Conferences Papers

2021

1. A DFT Study on the Host/Guest Inclusion Process of Sarin into beta-Cyclodextrin

10th National Seminar of Chemistry and Environment
Fateme Mahmoudi, Mehdi Shahraki

2020

2. Theoretical Study of the Inclusion Process of Soman with beta-Cyclodextrin: PM6 and Molecular Docking Calculations

1th International Conference on New Thoughts in Chemistry and Chemical Engineering
Fateme Mahmoudi, Mehdi Shahraki

2019

3. Theoretical Studies to Examine the Inhibition of Two New Thiourea Derivatives

MARYEH DEHVAERI, Mehdi Shahraki, , AMENEH TANOTAS

4. A DFT Study of the Cheletropic Reaction between Diacetyl and Trimethylphosphite

MARYEH DEHVAERI, AMENEH TANOTAS, Mehdi Shahraki,

Research Project

1. Surveying possibility of reusing contaminant of reverse osmosis units to reduce problems and hazards

Mehdi Shahraki, , , -