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Education

- ✓ B.Sc, Pure Chemistry, Shahid Beheshti University - 1990
- ✓ MS, Inorganic Chemistry, Sistan and Baluchestan University - 1997
- ✓ PhD, Inorganic Chemistry, Sistan and Baluchestan University - 2011

Courses

- | | |
|---|------------------------------|
| 1. Inorganic chemistry 1 | 2. metallicorganic chemistry |
| 3. application of group theory in chemistry | 4. Inorganic Spectroscopy |
| 5. inorganic physical chemistry | 6. General chemistry 2 |
| 7. Inorganic chemistry 2 | 8. nanochemistry |

Master Thesis

Journals Papers

2022

1. Screen-printed electrode modified with Co-NPs, as an electrochemical sensor for simultaneous determination of doxorubicin and dasatinib

, Somayeh Tajik, Niloufar Akbarzadeh- Torbati, Hadi Beitollahi, Claudia Graiff

Journal of the Iranian Chemical Society JICS Volume: (19) 4423 - 4434

2. Synthesis, in vitro biological and computational evaluation of new copper (II)-phenanthroline complexes

Omolbanin Shahraki, Niloufar Akbarzadeh- Torbati, Sheida Shahraki, Saman Sargazi, Najmeh Zoroni, Rog

Journal of the Iranian Chemical Society JICS Volume: (19) 3783 - 3796

3. A Novel Carbon Paste Electrode-Modified Electrocatalytic CO-Ce-NPs for Sulfite Detection: A Sonochemical Synthesis

, Somayeh Tajik, Niloufar Akbarzadeh- Torbati, Hadi Beitollahi, Rahman Hosseinzadeh, Farideh Mousaza

Iranian Journal of Science and Technology Transaction A-Science Volume: (46) 1387 - 1398

4. Determination of kojic acid using carbon paste electrode modified by [Fe(HL)₂Cl₂] nano-complex and ionic liquid

Mahbubeh Fazli, Niloufar Akbarzadeh- Torbati

Journal of Electrochemical Science and Engineering Volume: (6) 1179 - 1192

5. Design of a novel PEBA/CDs polymeric fibrous composite nanostructure in order to remove navicula algal and improve the quality of drinking water

Mahsa Hooman, Nooshin Sajjadi, Reza Marandi, Mojgan Zaeimdar, Niloufar Akbarzadeh- Torbati

POLYMER BULLETIN Volume: (79) 7459 - 7477

2021

6. Two novel bipyridine-based cobalt (II) complexes: synthesis, characterization, molecular docking, DNA-binding and biological evaluation

, Omolbanin Shahraki, Niloufar Akbarzadeh- Torbati, Zahra Aramesh-Boroujeni

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (39) 595 - 609

7. A novel schiff base ligand and its copper complex: Synthesis, characterization, X-ray crystal structure and biological evaluation

, Niloufar Akbarzadeh- Torbati, Mahbubeh Fazli, Behrouz Mir, Michal Dušek, Václav Eigner

JOURNAL OF MOLECULAR STRUCTURE Volume: (-) 129395 -

8. Synthesis and characterization of bipyridine cobalt(II) complex modified graphite screen printed electrode: an electrochemical sensor for simultaneous detection of acetaminophen and naproxen

, Somayeh Tajik, Niloufar Akbarzadeh- Torbati, Hadi Beitollahi, Cloudia Graiff, Ho Won Jang, Mohamma

RSC Advances Volume: (11) 3049 - 3057

9. بررسی سینتیک و ایزوترم فرآیند جذب سطحی نانو ذرات نیکل اکسید در حذف رنگ خوراکی از پساب صنعتی

Fariba Mohseni, Niloufar Akbarzadeh- Torbati,

Volume: (16) 333 - 348

10. طراحی سیستماتیک به منظور بهینه سازی حذف جلبک عامل طعم و بو در آب آشامیدنی با PEBA/CDS استفاده از نانو جاذبهای پلیمری

mahsa human, nooshin sajjadi, reza marandi, mozhgan zaeimdar, Niloufar Akbarzadeh- Torbati

Volume: (7) 398 - 410

11. Structure analysis and biological functionalities of a nickel(II) complex and its sonochemically synthesized nano form: in vitro anti-proliferation, DNA binding, antibacterial and molecular docking study

, Niloufar Akbarzadeh- Torbati, Habib Ghaznavi, Zeinab Karimi, Roghayeh Sheervalilou, Michal Dušek,

JOURNAL OF MOLECULAR STRUCTURE Volume: (1231) 129989-1 - 129989-12

12. New Schiff base ligand N-(2-hydroxy-1-naphthylidene)- 2-methyl aniline and its nano-sized copper(II) complex: synthesis, characterization, crystal structure and application as an electrochemical sensor of 2- phenylphenol in the presence of 4-chlorophenol

Mahbubeh Fazli, Niloufar Akbarzadeh- Torbati, Hadi Beitollahi, Michal Dusek, Vaclav Eigner

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: (32) 25118 - 25136

13. Chromium (III) Complexes of 4,5-diazafluoren-9-one Ligand as Potential Anti-proliferative Agents: Synthesis, Characterization, DNA Binding, Molecular Docking and In-vitro Cytotoxicity Evaluation

Omolbanin Shahraki, Habib Ghaznavi, Niloufar Akbarzadeh- Torbati, Sheida Shahraki, Roghayeh Shee

Iranian Journal of Pharmaceutical Research Volume: (20) 618 - 635

2020

14. A novel cadmium(II) complex of bipyridine derivative: synthesis, X-ray crystal structure, DNA-binding and antibacterial activities

, Niloufar Akbarzadeh- Torbati, Khatereh Abdi, Michal Dusek, Vaclav Eigner

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (38) 236 - 247

15. Sonochemical synthesis and crystal structure of indium(III) complex as a modifier for electrochemical simultaneous determination of dopamine and acetylcholine

Hadi Beitollahi, Niloufar Akbarzadeh- Torbati, Asghar Parsa

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (67) 1219 - 1229

16. Synthesis, characterization, and applications of novel Co(II)-pyridoxal phosphate-Schiff base/SBA-15 as a nanocatalyst for the green synthesis of benzothiazole heterocycles

Hassan Yari , Rahebeh A Dehkharghani, Ghasem R. Bardajee, Niloufar Akbarzadeh- Torbati

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: (67) 1490 - 1500

17. A binuclear iron(III) complex of 5,5'-dimethyl-2,2'-bipyridine as cytotoxic agent

tahereh kondori, Niloufar Akbarzadeh- Torbati, Habib Ghaznavi, Zeinab Karimi, Jafar Shahraki, Roghay

BIOMETALS Volume: (33) 365 - 378

2019

18. Rapid and Sensitive Electrochemical Monitoring of Tyrosine Using NiO Nanoparticles Modified Graphite Screen Printed Electrode

Asghar Parsa, Niloufar Akbarzadeh- Torbati, Hadi Beitollahi

International Journal of Electrochemical Science Volume: (14) 1556 - 1565

19. A simple and clean method for the synthesis of Pd/G catalyst for ethanol oxidation

Mehran Dehvari, Hamideh Saravani, Niloufar Akbarzadeh- Torbati,

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (44) 6544 - 6550

20. Electrochemical Determination of Mangiferin Using Modified Screen Printed Electrode

somayeh tajik, Niloufar Akbarzadeh- Torbati, Mohadeseh Safaei, hadi Beitollahi

International Journal of Electrochemical Science Volume: () 4361 - 4370

21. A novel iron(III) complex: synthesis, spectra, X-ray structure photoluminescence study, and antibacterial properties

, Niloufar Akbarzadeh- Torbati, Michal Dusek, Vaclav Eigner

CHEMICAL PAPERS Volume: (73) 1639 - 1646

22. Synthesis and characterization of copper oxide nanocrystal via preparation of precursor tri-homo-nuclear inorganic complex

Niloufar Akbarzadeh- Torbati, Abouzar Tahkor

Inorganic and Nano-Metal Chemistry Volume: (49) 107 - 112

23. Synthesis, Characterization, Antibacterial properties and DNA Binding of a Th(IV) Complex

, Niloufar Akbarzadeh- Torbati

Volume: (13) 29 - 36

24. Synthesis, X-ray structural analysis, antibacterial and DNA-binding studies of a lanthanum bis-(5,5'-dimethyl-2,2'-bipyridine) complex

, Niloufar Akbarzadeh- Torbati, C. Graiff

Journal of the Iranian Chemical Society JICS Volume: (16) 1827 - 1838

2018

25. Application of Glassy Carbon Electrode Modified with Co₃O₄ Nanoparticles for Voltammetric Determination of Folic Acid

, Niloufar Akbarzadeh- Torbati

Analytical and Bioanalytical Electrochemistry Volume: (10) 1211 - 1221

26. Application of Graphite Screen Printed Electrode Modified with Indium(III) Mixed-ligand Nanocomplex for Voltammetric Determination of Amlodipine

Asghar Parsa, Niloufar Akbarzadeh- Torbati

Analytical and Bioanalytical Electrochemistry Volume: (10) 716 - 727

27. SALICYLIC ACID AS AN EFFICIENT CATALYST FOR THE DIASTEREOSELECTIVE SYNTHESIS OF DISPIROHYDROQUINOLINES VIA A ONE-POT DOMINO EIGHT-COMPONENT REACTION

Sajad Salahi, Nourallah Hazeri, Malektaher Maghsoodlou, mojtaba lashkari, Niloufar Akbarzadeh- Torba

JOURNAL OF THE CHILEAN CHEMICAL SOCIETY Volume: (63) 4159 - 4164

28. تهیه و شناسایی نانوذره اکسیدی مس- منگنز با خواص پارامغناطیس

Niloufar Akbarzadeh- Torbati, Mehdi Shahraki,

Volume: (8) 163 - 171

2017

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

Niloufar Akbarzadeh- Torbati, Mehdi Shahraki,

Volume: (12) 213 - 228

2016

30. Synthesis and characterization of Hg complex with 1,4-bis([1,10]phenanthroline-[5,6-d]imidazol-2-yl)benzene

Niloufar Akbarzadeh- Torbati,

Journal of Chemical and Pharmaceutical Research Volume: (8) 484 - 480

31. Synthesis and characterization of binary nanoparticle BaCrO₄ via preparation of inorganic complex

Niloufar Akbarzadeh- Torbati,

Journal of Chemical and Pharmaceutical Research Volume: (8) 319 - 323

32. Brnsted acidic ionic liquid catalyzed synthesis of poly-substituted hydroquinolines through diastereoselective, one-pot and pseudoeight- component reaction

Sajad Salahi, Malektaher Maghsoodlou, Nourallah Hazeri, , Niloufar Akbarzadeh- Torbati, , ,

Journal of Saudi Chemical Society Volume: (20) 349 - 356

33. 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

34. Synthesis and Characterization of Cd Complexes Containing Phenanthroline Derivatives

Niloufar Akbarzadeh- Torbati, Younes Sarani

BIOMEDICAL and PHARMACOLOGY JOURNAL Volume: (9) 579 - 583

35. Synthesis and Characterization of Cadmium-Copper Oxide (CdCu_2O_4) Nanoparticles by Chemical Co-Precipitation Method in the Presence of Oleic Acid as a Surfactant

Niloufar Akbarzadeh- Torbati, ,

Journal of Global Pharma Technology Volume: (12) 235 - 239

2015

36. 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

37. Synthesis, characterization, and crystal structure of a binuclear $\text{UO}_2(\text{VI})$ complex with a bipyridine derivative ligand

Niloufar Akbarzadeh- Torbati,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 845 - 852

38. Synthesis and Characterization of Barium-Vanadium Oxide Nanocomposite Using a Facile thermolysis Approach

Niloufar Akbarzadeh- Torbati,

Oriental Journal of Chemistry Volume: (31) 2247 - 2251

39. Synthesis characterization and crystal structure of new four-coordinated cobalt(II) complexes containing phenanthroline derivatives

Niloufar Akbarzadeh- Torbati, Alireza Rezvani, Hamideh Saravani, , ,

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) -

40. Synthesis characterization and crystal structure of new four-coordinated cobalt(II) complexes containing phenanthroline derivatives

Niloufar Akbarzadeh- Torbati, Alireza Rezvani, Hamideh Saravani, Tahereh Kondori, Vahid Amani, Hami

RESEARCH ON CHEMICAL INTERMEDIATES Volume: (41) 1247 - 1256

2013

41. 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

42. One-pot synthesis and X-ray structure of new stable tetrahydropyrrolo 1 2-a 1 10 phenanthrolines with four diastereoisomeric centers

Reza Heydari, , Niloufar Akbarzadeh- Torbati, Claudia Graiff,

synthetic communications Volume: () 2031 - 2041

43. 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

44. 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

Kinetic and Related Models Volume: () -

45. 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: () 58 - 65

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

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

HETEROATOM CHEMISTRY Volume: () 58 - 65

47. ONE-POT SYNTHESIS AND X-RAY STRUCTURE OF NEW, STABLE TETRAHYDROPYRROLO [1,2-a][1,10]PHENANTHROLINES WITH FOUR DIASTEREOISOMERIC CENTERS

Reza Heydari, , Niloufar Akbarzadeh- Torbati, ,

SYNTHETIC COMMUNICATIONS Volume: () 2031 - 2041

2012

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

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

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 1450 - 1461

2011

49. Diastereoselective synthesis and X-ray structure of new stable dicyano trihydropyrrolo 1 10 phenanthrolines

Niloufar Akbarzadeh- Torbati

JOURNAL OF CHEMICAL RESEARCH-S Volume: () -

50. Synthesis of cyano-2 3-dihydropyrrolo 1 2-f phenanthridine derivatives via a domino-Knoevenagel-cyclization

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

MOLECULAR DIVERSITY Volume: (15) -

51. Synthesis of new phosphonato esters by reaction between triphenyl or trialkyl phosphate and acetylenic diesters in the presence of NH-containing compounds

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

HETEROATOM CHEMISTRY Volume: (22) 630 - 639

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

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

HETEROATOM CHEMISTRY Volume: (22) 630 - 639

53. Synthesis, Characterization, and Crystal Structure of Tetrahedral Cobalt(II) Complex with 2,2'-Biquinoline Ligand

Niloufar Akbarzadeh- Torbati, Alireza Rezvani, Hamideh Saravani, Hamid Reza Khavasi, Vahid Amini

Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry Volume: () -

2010

54. Dichlorido(6 6 -dimethyl-2 2 -bipyridine-k2N N)cobalt(II)

Alireza Rezvani, Niloufar Akbarzadeh- Torbati

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE (MSRT BLACKLIST) Volume: (66) -

55. (2 2 -Biquinoline-k2N N)dibromido-zinc(II)

Hamideh Saravani, Alireza Rezvani, Niloufar Akbarzadeh- Torbati

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE Volume: (66) m1622 - m1623

2008

56. [Synthesis of some dipyrrolophenanthroline derivatives as novel macromolecules \(ISI\)](#)

Malektaher Maghsoodlou, , , Niloufar Akbarzadeh- Torbati

ARKIVOC Volume: () -

Executive activities

رئیس اداره مجلات و نشریه دانشگاه

from 1393/07/01 - to 1395/06/31