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Education

- ✓ MS, Inorganic Chemistry, Sistan and Baluchestan University - 2002
- ✓ PhD, Inorganic Chemistry, Sistan and Baluchestan University - 2007

Courses

- | | |
|---------------------------------------|------------------------------|
| 1. advanced polynuclear NMR | 2. Safety in the Laboratory |
| 3. nanochemistry | 4. Crystallography |
| 5. Inorganic Chemistry 3 | 6. chemistry state in flame |
| 7. Chemistry and Technology of Paints | 8. Material characterization |

Master Thesis

Journals Papers

2026

1. [Electrochemical sensors based on synergistic integration of copper, chromium and zinc metal-organic frameworks with silver sulfide quantum dots](#)

Sabereh Narouie, Hamideh Saravani, Mehdi Shahbakhsh

MICROCHEMICAL JOURNAL Volume: (226) 1 - 13

2. [Sustainable photocatalytic desulfurization of thiophene over a \$\text{MoS}_2/\text{Fe}_2\text{O}_3/\text{CuO}\$ S-scheme-like heterojunction optimized via response surface methodology](#)

Mohammad Sabaghi, Hamideh Saravani, Somayeh Ostovar, Alireza Rezvani

JOURNAL OF ALLOYS AND COMPOUNDS Volume: (1079) 1 - 24

2025

3. [Developing efficient anodic electrocatalyst: Three-dimensional interconnected network of bimetallic Pd-Ni aerogel for advanced electrocatalysis of ethanol](#)

Masoud Rafigh esmaeilzaei, Hamideh Saravani, Ahmad Reza Abbasian

JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: (976) 118810-1 - 118810-9

4. [A comparative study of magnetic bimetallic nanocatalysts for catalytic transfer hydrogenation of ethyl levulinate to \$\gamma\$ -valerolactone](#)

Simin Rahat dahmardeh, Hamideh Saravani, Somayeh Ostovar,

INORGANIC CHEMISTRY COMMUNICATIONS Volume: (178) 114501 -

5. [A comparative study of magnetic bimetallic nanocatalysts for catalytic transfer hydrogenation of ethyl levulinate to GAMA-valerolactone](#)

Simin Rahat dahmardeh, Hamideh Saravani, Somayeh Ostovar,

INORGANIC CHEMISTRY COMMUNICATIONS Volume: (178) 1 - 17

6. [Optimizing surface adsorption of Congo red anionic dye on zinc oxide/carbon quantum dots composite by response surface method](#)

Fahimeh Jami, Zahra Yavari, Hamideh Saravani

Volume: (19) 18 - 31

2024

7. [Synthesis of a New Bimetallic Metal-Organic Framework Based on \$\text{La}^{3+}\$ and \$\text{Ce}^{3+}\$ as New Porous Materials for the Electrooxidation of Acetaminophen](#)

Alireza Ansarimoghaddam, Alireza Rezvani, Hamideh Saravani, Mehdi Shahbakhsh, Ghasem Sargazi

CATALYSIS LETTERS Volume: (154) 1828 - 1838

8. The effective adsorption of Ni(II) and nitrate from aquatic systems by superparamagnetic MoS₂/Gamma-Fe₂O₃ nanocomposites: Optimization through RSM-CCD design

Somayeh Ostovar, Hamideh Saravani, , Amanollah Salehpour, Mohammad Sabaghi,

Arabian Journal of Chemistry Volume: (17) 105599-1 - 105599-20

9. Synthesis and identification of novel Ru/Zr metal-organic frameworks as heterogeneous catalysts in the oxidation of benzyl alcohol

Simin Rahat dahmardeh, Hamideh Saravani, Somayeh Ostovar

CHEMICAL PAPERS Volume: (78) 6979 - 6988

2023

10. Study of the one-step in situ growth synthesis of Cu-Pic coordination polymer and Cu-BTC MOF and their performances for detection of 4-Nitrophenol

Mehdi Shahbakhsh, Hamideh Saravani, Michal Dusek, Morgane Poupon

MICROCHEMICAL JOURNAL Volume: (189) 108557-1 - 108557-8

11. Hexacyanoferrate (III)/copper-TMA metal-organic framework for ultra-sensitive detection of bisphenol A

Sabereh Narouie, Mehdi Shahbakhsh, Gholam Hossein Rounaghi, Hamideh Saravani

JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: (941) 117542-1 - 117542-10

12. Growing nanoparticles to assemble a modern three-dimensional nanoarchitecture of Pt-Ru aerogel for advanced electrocatalysis

Majid Farsadrooh Rashti, Hamideh Saravani, Khourshid Mehdizadeh, Zahra Elyasi, Hamedreza Javadian,

JOURNAL OF MOLECULAR LIQUIDS Volume: (384) 122047-1 - 122047-8

13. Transition metal oxides synthesized by self-sustaining combustion method as an accelerator to desorb produced intermediates during ethanol oxidation

Fariba Kaedi, Ali Vahabi, Simin Rahat dahmardeh, Zahra Yavari, Hamideh Saravani, Ahmad Reza Abbasian

Results in Chemistry Volume: (5) 100974-1 - 100974-12

14. Vanadium (III) -catechol functionalized copper metal-organic framework for sensitive detection of quercetin in biological fluids

Ali Bakhshi, Hamideh Saravani, Alireza Rezvani, Mehdi Shahbakhsh, Sabere Narouie, Ghasem Sargazi

MICROCHEMICAL JOURNAL Volume: (193) 109064-1 - 109064-8

15. Exposing an Environmentally Friendly Gelation Strategy to Fabricate Modern Three-Dimensional M-Ag (M = Pt and Pd) Aerogels with Excellent Green Energy Generation

, Hamideh Saravani

ACS Sustainable Chemistry and Engineering Volume: (11) 10649 - 10658

16. Bimetallic Pd-Co Aerogel Three-Dimensional Architecture: Developing Self-Assembled Materials for Advanced Ethanol Oxidation

, Hamideh Saravani

ACS Omega Volume: (8) 45245 - 45254

2022

17. Poly (Biphenol/biphenanthroquinone - Vanadium (IV)) modified electrode as selective sensor for detection of 4-nitrophenol

Sabereh Narouie, GholamHossein Rounaghi, Hamideh Saravani, Mehdi Shahbakhsh

MICROCHEMICAL JOURNAL Volume: (172) 106945-1 - 106945-12

18. Copper nanowires / poly (naphthoquinone chromium (III)) for simultaneous voltammetric detection of para - aminophenol, phenol and para - nitrophenol

Zahra Hashemzaiee, Hamideh Saravani, Mahmood Sharifitabar, Mehdi Shahbakhsh

MICROCHEMICAL JOURNAL Volume: (175) 107210-1 - 107210-12

19. A new method of Bi-MOF nanostructures production using UAIM procedure for efficient electrocatalytic oxidation of aminophenol: a controllable systematic study

Ali Bakhshi, Hamideh Saravani, Alireza Rezvani, Ghasem Sargazi, Mehdi Shahbakhsh

JOURNAL OF APPLIED ELECTROCHEMISTRY Volume: (52) 709 - 728

20. Synthesis and characterization of chiral nano-poly [(±)-2-sec-butyl aniline] and its application in the first chiral polymer solar cell

Farideh Paymouz, Ali Reza Modarresi Alam, Hamideh Saravani

OPTICAL MATERIALS Volume: (125) 112098-1 - 112098-15

21. Multiwalled Carbon Nanotubes/4,4-Dihydroxybiphenyl Nanolayered Composite for Voltammetric Detection of Phenol

S. Narouie, G. H. Rounaghi, Hamideh Saravani, Mehdi Shahbakhsh

ELECTROANALYSIS Volume: (34) 798 - 808

22. An efficient ultrasound-assisted route of a novel Lanthanum (III) metal-organic framework nanostructure as a novel porous material for electrocatalytic activity in oxidation of 4-aminophenol

Alireza Ansarimoghaddam, Alireza Rezvani, Hamideh Saravani, Ghasem Sargazi, Mehdi Shahbakhsh

APPLIED PHYSICS A-MATERIALS SCIENCE and PROCESSING Volume: (128) 206-1 - 206-17

23. Iodine/iodide-doped polymeric nanospheres for simultaneous voltammetric detection of p-aminophenol, phenol, and p-nitrophenol

Sabereh Narouie, Gholam Hossein Rounaghi, Hamideh Saravani, Mehdi Shahbakhsh

MICROCHIMICA ACTA Volume: (189) 1 - 11

24. Unique superstructure of Pd-Ir aerogel as a robust three-dimensional electrocatalyst

Majid Farsadrooh Rashti, Hamideh Saravani,

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (47) 25638 - 25646

25. Tuning the morphology of Pd aerogels for advanced electrocatalysis of formic acid

, Hamideh Saravani, Meissam Noroozifar, Ki-Hyun Kim

MICROPOROUS AND MESOPOROUS MATERIALS Volume: (344) 112206-1 - 112206-9

2021

26. Poly (hydroquinone-oxovanadium (IV)) porous hollow microspheres for voltammetric detection of phenol

Mehdi Shahbakhsh, Hamideh Saravani, Sabere Narouie, Zahra Hashemzaiee

MICROCHEMICAL JOURNAL Volume: (164) 105948-1 - 105948-10

27. Ultrasound-assisted efficient synthesis of a novel Nd-MOF polymer as a new candidate for electrocatalytic activity in hydrogen storage

Ali Bakhshi, Hamideh Saravani, Ghasem Sargazi, Mehdi Shahbakhsh

JOURNAL OF APPLIED ELECTROCHEMISTRY Volume: (51) 399 - 410

28. Versatile functionalized mesoporous Zr/SBA-15 for catalytic transfer hydrogenation and oxidation reactions

Somayeh Ostovar, Hamideh Saravani, Daily Rodriguez-Padron

RENEWABLE ENERGY Volume: (178) 1070 - 1083

29. Anticancer Property of Lanthanide Sulfate Nanostructure Against Neuroblastoma-Neuro2a Cell Line

Mojtaba Haghighat, Afsoon Naroie, Alireza Rezvani, Mohammad Hakimi, Hamideh Saravani, Majid Darroudi

BioNanoScience Volume: (11) 696 - 702

30. Combustion synthesis of sponge-like $\text{CeO}_{2.5}$ powder for selective determination of uric acid in biological fluids

Zahra Hashemzaiee, Hamideh Saravani, Mahmood Sharifitabar, Mehdi Shahbakhsh

Journal of Particle Science and Technology Volume: (7) 73 - 82

31. Combustion synthesis of sponge-like CeO_2 powder for selective determination of uric acid in biological fluids

Zahra Hashemzaiee, Hamideh Saravani, Mahmood Sharifitabar, Mehdi Shahbakhsh

Journal of Particle Science and Technology Volume: (7) 73 - 82

2020

32. Nature inspired poly (dopamine quinone -vanadyl) as new modifier for voltammetric determination of uric acid

Mehdi Shahbakhsh, Hamideh Saravani, Zahra Hashemzaiee, Sabere Narouie

MICROCHIMICA ACTA Volume: (187) 411-1 - 411-12

33. Two-dimensional engineering of Pd nanosheets as advanced electrocatalysts toward formic acid oxidation

Hamideh Saravani, Majid Farsadrooh Rashti, Mojtaba Sharemolashahi, Maryam Hajnajafi,

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (45) 21232 - 21240

34. Three-Dimensional Engineering of Nanoparticles To Fabricate a Pd- Au Aerogel as an Advanced Supportless Electrocatalyst for LowTemperature Direct Ethanol Fuel Cells

, Hamideh Saravani, , Meissam Noroozifar

ACS Applied Energy Materials Volume: (3) 7527 - 7534

35. A simple strategy to increase inhibitory activity of chitosan towards iron corrosion in acidic media

Zahra Yavari, , Hamideh Saravani, Meissam Noroozifar

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: (27) 227 - 234

36. Porous 3D Inorganic Superstructure of Pd²⁺/Ir Aerogel as Advanced Support-Less Anode Electrocatalyst toward Ethanol Oxidation

, Hamideh Saravani

ACS Omega Volume: (5) 22031 - 22038

37. Single-stage solution combustion preparation of ZnFe₂O₄-ZnS nanoparticles as dye adsorbent: Effect of fuel to oxidant and Zn to Fe molar ratios

Masoud Rafigh esmaeilzaei, Hamideh Saravani, Ahmad Reza Abbasian

Journal of Particle Science and Technology Volume: (6) 113 - 122

2019

38. 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

39. 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

40. 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

41. 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

42. Controlled organization of building blocks to prepare three-dimensional architecture of Pd-Ag aerogel as a high active electrocatalyst toward formic acid oxidation

, Hamideh Saravani, , Meissam Noroozifar
COMPOSITES PART B-ENGINEERING Volume: (172) 309 - 315

43. An environmentally friendly one-pot synthesis method by the ultrasound assistance for the decoration of ultrasmall Pd-Ag NPs on graphene as high active anode catalyst towards ethanol oxidation

, Hamideh Saravani, Majid Farsadrooh Rashti, Meissam Noroozifar
ULTRASONICS SONOCHEMISTRY Volume: (58) 104616-1 - 104616-8

44. Three-dimensional inorganic polymer of Pd aerogel as a highly active support-less anode catalyst toward formic acid oxidation

, Hamideh Saravani, Majid Farsadrooh Rashti
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (44) 18028 - 18037

45. Synthesis of porous Mg-doped CeO₂ powders via self-propagating high-temperature synthesis route

Zahra Hashemzaiee, Mahmood Sharifitabar, Hamideh Saravani, Meissam Noroozifar
ADVANCED POWDER TECHNOLOGY Volume: (30) 2947 - 2956

2018

46. A fast method to prepare Pd-Co nanostructures decorated on graphene as excellent electrocatalyst toward formic acid oxidation

, Hamideh Saravani, Meissam Noroozifar
JOURNAL OF ALLOYS AND COMPOUNDS Volume: (739) 882 - 891

47. Synthesis characterization antibacterial activity and VSM investigation of Fe₃O₄NiCr₂O₄ nano oxide obtained from a new oxalato-bridged complex

Parisa Iranmanesh, Hamideh Saravani, Alireza Rezvani
CHEMICAL PAPERS Volume: (72) 487 - 495

48. 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

49. Promoted electrocatalytic ability of the Pd on doped Pt in NiO-MgO solid solution toward methanol and ethanol oxidation

Fariba Kaedi, Zahra Yavari, Meissam Noroozifar, Hamideh Saravani

JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: (827) 204 - 212

50. A novel coordination polymer of Cd(II) based on 2-mercaptopyrimidine Sonochemical synthesis characterization and antibacterial properties

Marzieh Biabani, Hamideh Saravani, Vaclav Eigner, Michal Dusek

JOURNAL OF MOLECULAR STRUCTURE Volume: (1166) 470 - 478

51. Synthesis and Characterization of new Binuclear Chromium Cadmium Complexes based on Terpyridine and Phenanthroline

, Hamideh Saravani

Oriental Journal of Chemistry Volume: (34) 1323 - 1327

52. Molecular structure of inorganic supramolecular compounds and its application as a precursor in producing hydrocarbons

Zohreh Razmara, Alireza Rezvani, Hamideh Saravani

JOURNAL OF MOLECULAR STRUCTURE Volume: (1171) 503 - 510

53. Three-dimensional assembly of building blocks for the fabrication of Pd aerogel as a high performance electrocatalyst toward ethanol oxidation

, Hamideh Saravani, Meissam Noroozifar

ELECTROCHIMICA ACTA Volume: (275) 182 - 191

54. 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

55. One-pot synthesis of ultrasmall Pt Ag nanoparticles decorated on graphene as a high-performance catalyst toward methanol oxidation

, Hamideh Saravani, Meissam Noroozifar

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (43) 7946 - 7955

56. 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

57. Porous three-dimensional network of Pd-Cu aerogel toward formic acid oxidation

, Majid Farsadrooh Rashti, Farzaneh Damani gol, Alireza Ansarimoghaddam, Hamideh Saravani, Meissam N

RSC Advances Volume: (8) 23539 - 23545

58. Synthesis characterization antibacterial activity and VSM investigation of Fe₃O₄NiCr₂O₄ nano oxide obtained from a new oxalato-bridged complex

Parisa Iranmanesh, Hamideh Saravani, Alireza Rezvani

CHEMICAL PAPERS Volume: (72) 487 - 495

59. تهیه و شناسایی نانو ذرات اکسیدی مس و کاربرد آن در جذب آلومینون

Hosain Toghroli, Hamideh Saravani

Volume: (1) 23 - 33

60. Fast determination of bisphenol A in spiked juice and drinking water samples by pipette tip solid phase extraction using cobalt metal organic framework as sorbent

M. R. R. Kahkha, Massoud Kaykhaii, A. Miri, Hamideh Saravani

BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA Volume: (32) 595 - 602

2017

61. Novel fabrication of PdCu nanostructures decorated on graphene as excellent electrocatalyst toward ethanol oxidation

, Hamideh Saravani, Meissam Noroozifar

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (42) 15149 - 15159

62. به روش هم رسوبی و کاربرد آن در پیل‌های Cu_{0.2}ZnNi_{3.27}O_{5.29} تهیه و شناسایی نانوذرات سوختی

, Hamideh Saravani, Meissam Noroozifar

Volume: (11) 5 - 14

63. FischerTropsch reaction over a Co₂-Ni-Mn/SiO₂ nanocatalyst prepared by thermal decomposition of a new precursor

, Alireza Rezvani, Hamideh Saravani

CHEMICAL PAPERS Volume: (71) 849 - 856

64. Barium Hexaferrite Magnetic Fluid Preparation Characterization and the In Vitro Identification of Cytotoxicity and Antibacterial Activity

, Hamideh Saravani,

Journal of Inorganic and Organometallic Polymers and Materials Volume: (27) 818 - 826

65. 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

66. Synthesis and characterization of BaNiO₃ using a solid-state thermal decomposition method and the preparation of its stable aqueous suspension

, Hamideh Saravani,

BULLETIN OF MATERIALS SCIENCE Volume: (40) 711 - 717

67. (Modified Graphite Paste Electrode with Strontium Phen-Dione Complex for Simultaneous Determination of a Ternary Mixture of 4-aminophenol Uric Acid and Tryptophan (Part I)

Sabere Narouie, Mehdi Shahbakhsh, Zahra Hashemzaiee, , Hamideh Saravani, Meissam Noroozifar

International Journal of Electrochemical Science Volume: (12) 10911 - 10932

68. Modified Graphite Paste Electrode with Strontium Phen-Dione Complex for Simultaneous Determination of a Ternary Mixture of Dopamine Acetaminophen and Xanthine. Part II

Mehdi Shahbakhsh, Sabere Narouie, Zahra Hashemzaiee, , Hamideh Saravani, Meissam Noroozifar

International Journal of Electrochemical Science Volume: (1) 11763 - 11777

69. FischerTropsch reaction over a Co₂-Ni-Mn/SiO₂ nanocatalyst prepared by thermal decomposition of a new precursor

Zohreh Razmara, Alireza Rezvani, Hamideh Saravani

CHEMICAL PAPERS Volume: (71) 849 - 856

2016

70. Synthesis and Characterization of Ferromagnetic BaFe₂O₄ Nanocrystals Using Novel Ionic Precursor Complex [Fe(opd)₃]₂[Ba(CN)₈]

Hamideh Saravani, Masoud Rafigh esmaeilzaei,

Journal of Inorganic and Organometallic Polymers and Materials Volume: (26) 353 - 358

71. Synthesis and Characterization of Superparamagnetic NiBaO₂ Nano-Oxide Using Novel Precursor Complex [Ba(H₂O)₈][Ni(dipic)₂]

Hamideh Saravani, ,

Journal of Inorganic and Organometallic Polymers Volume: (26) 660 - 666

72. Synthesis and characterization of Cu₂BaO₄nanoparticles from thermolysis of [Cu(Opd)₃]₂[Ba(SCN)₆(H₂O)₂] complex

Hamideh Saravani,

Journal of Chemical and Pharmaceutical Research Volume: (8) 1408 - 1413

73. Crystal Structure, Thermal Behavior and Magnetic Properties of a Novel Polymer [Ni(dipic)₂Mn(O)₂]_n Synthesized by Reflux and Sonochemistry

, Alireza Rezvani, Hamideh Saravani

Journal of Inorganic and Organometallic Polymers and Materials Volume: (26) 943 - 949

74. %Synthesize and crystal structure of a novel complex Co(dipic)₂Mn(OH)₂(5.2H₂O) prepared by different methods

, Alireza Rezvani, Hamideh Saravani

Bulgarian Chemical Communications Volume: (48) 31 - 36

2015

75. Synthesis of Stable Carbamate Phosphorus Ylides by a Four-Component Reaction And Dynamic ¹H Nmr Study of the Energy Barriers for the Rotation around the Carbon–Nitrogen Single Bond and the Carbon–Carbon Double Bond

, Malektaher Maghsoodlou, Hamideh Saravani, , Eideh Mofarrah

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (190) 1410 - 1421

76. Synthesis, Characterization, and Crystal Structure of New Complex, Based on Proton Transfer to Uranium(VI) Complex

Hamideh Saravani, Farima Mozafai pour

Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry Volume: (45) 1717 - 1722

77. Synthesis and Characterization of Lanthanum Oxide and Lanthanum Oxide Carbonate Nanoparticles from Thermalizes of [La(acacen)(NO₃)(H₂O)] Complex

Hamideh Saravani,

Oriental Journal of Chemistry Volume: (31) 2351 - 2357

78. Synthesis and characterization of new nanostructure complex [Co(dipic)₂Ni(OH)₂]₆, as a precursor for the synthesis of NiCo₂O₄ nanoparticles

, Alireza Rezvani, Hamideh Saravani

Journal of Chemical and Pharmaceutical Research Volume: (12) 170 - 177

79. 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) -

80. 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

2014

81. An efficient one-pot three-component synthesis of tetrahydrobenzo b pyran and 3 4-dihydropyrano c chromene derivatives using starch solution as catalyst

Nourallah Hazeri, Malektaher Maghsoudlou, Hamideh Saravani, Ebrahim Mollashahi

CHINESE JOURNAL OF CATALYSIS Volume: (35) 391 - 395

82. Efficient synthesis of new stable 1 4-diionic organosulfurs and corresponding mesoionic compounds from N-heterocyclic ylides

, Reza Heydari, , Hamideh Saravani, Claudia Graiff

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: () 263 - 273

83. Efficient Synthesis of New Stable 1,4- diionic Organosulfurs and Corresponding Mesoionic Compounds from NHeterocyclic Ylides

, Reza Heydari, , Hamideh Saravani

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS Volume: (189) 263 - 273

84. An efficient onepot threecomponent synthesis of tetrahydrobenzo[b]pyran and 3,4dihydropyrano[c]chromene derivatives using starch solution as catalyst

Nourallah Hazeri, Malektaher Maghsoudlou, , , Hamideh Saravani, Ebrahim Mollashahi

CHINESE JOURNAL OF CATALYSIS Volume: (35) 391 - 395

85. Rapid Synthesis of Cobalt Metal Organic Framework

ghasem sargazi, daryoush afzali, ali ghafainazari, Hamideh Saravani

Journal of Inorganic and Organometallic Polymers and Materials Volume: (24) 786 - 790

2013

86. The crystal structure supramolecular interplay and theoretical studies of helical dipyrrolophenanthroline

SayyedMostafa Habibi-Khorassani, Niloufar Akbarzadeh- Torbati, Mehdi Shahraki, , , Hamideh Saravani

Iranian Journal of Organic Chemistry Volume: (5) -

87. Fabrication of Superhydrophobic surface by Co₃O₄ nanoparticles

, Mousa Aliahmad, Hamideh Saravani

INDIAN JOURNAL OF PHYSICS Volume: (87) 211 - 215

2012

88. Synthesis Characterization and Electrochemical Study of La(III) Complex With Polypyridyl Ligands

Hamideh Saravani

World Applied Programming Volume: (2) 389 - 393

89. [Synthesis, characterization, spectroscopic study, and catalytic behavior of ruthenium\(II\) ophenanthroline complex with dipicolinate](#)

Niloufar Akbarzadeh- Torbati, , Hamideh Saravani

JOURNAL OF COORDINATION CHEMISTRY Volume: () 994 - 1003

2011

90. [Synthesis, Characterization, and Crystal Structure of Tetrahedral Cobalt\(II\) Complex with 2,2'-Biquinoline Ligand](#)

Niloufar Akbarzadeh- Torbati, , Hamideh Saravani

Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry Volume: (41) 507 - 512

91. [Synthesis, Characterization, and Crystal Structure of Tetrahedral Cobalt\(II\) Complex with 2,2_-Biquinoline Ligand](#)

Niloufar Akbarzadeh- Torbati, , Hamideh Saravani

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

92. [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

93. [\(2 2 -Biquinoline-k2N N \)dibromido-zinc\(II\)](#)

Hamideh Saravani, Alireza Rezvani, Niloufar Akbarzadeh- Torbati

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

94. [Synthesis Crystal Structure Electrochemical and Fluorescence Studies of a Novel Zn\(II\)-Flourphore 1 10-Phenanthroline-5 6-dione \(Phen-dione\)](#)

Alireza Rezvani, Hamideh Saravani, h haddad

Journal of the Iranian Chemical Society Volume: (7) 825 - 833

95. [\(2,200-Biquinoline-j2N,N00\)dibromidozinc\(II\)](#)

Hamideh Saravani, , Niloufar Akbarzadeh- Torbati

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE Volume: () 1622 - 1623

96. [Dichlorido\(6,60-dimethyl-2,20-bipyridinej 2N,N0\)cobalt\(II\)](#)

Niloufar Akbarzadeh- Torbati, , Hamideh Saravani

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97. Theoretical Study An Efficient Synthesis Route to And Kinetic Investigation of Stable Phosphorus Ylides Derived from Benzamide

SayyedMostafa Habibi Khorassani, Ali Ebrahimi, Malektaher Maghsoodlou, Hamideh Saravani, , , , Zoh
PROGRESS IN REACTION KINETICS AND MECHANISM Volume: () -

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98. An Investigation of Z-in Distortion in Mononuclear Cu(II) Complex with Terpyridine Ligands Cu(terpy)₂ (PF₆)₂

Hamideh Saravani, Alireza Rezvani, h hadadzadeh,
Iranian Journal of Chemical Engineering Volume: (26) 103 - 110

99. Crystal structure magnetic and electrochemical properties of five-coordinate copper (II) complexes with 1 10-phenanthroline-5 6-dione

Hamideh Saravani, Alireza Rezvani, , , , h haddad
INORGANICA CHIMICA ACTA Volume: (-) 2829 - 2834

100. Crystal structure magnetic and electrochemical properties of five-coordinate copper (II) complexes with 110-phenanthroline-56-dione

Hamideh Saravani, Alireza Rezvani, Ghobad Mansouri, Ali Reza Salehi Rad, Hamid Reza Khavasi, Hassan
INORGANICA CHIMICA ACTA Volume: (360) 2829 - 2834

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101. يك روش اقتصادي جديد براي تهيه سيليكات هاي قليايي محلول در آب از ماده اوليه كوارتز.

Hasan Hadad zadeh, Hamideh Saravani, , Alireza Rezvani
Volume: (25) -

102. Synthesis structure Spectroscopic magnetic and electrochemical studies of NiII phen-dione complex

Hasan Hadad zadeh, Marilyn M.Olmstead, Alireza Rezvani, , Hamideh Saravani
INORGANICA CHIMICA ACTA Volume: (-) 2154 - 2158

103. Synthesis structure spectroscopic magnetic and electrochemical studies of NiII phen-dione complex

Hassan Hadadzadeh, Marilyn M. Olmstead, Alireza Rezvani, Nasser Safari, Hamideh Saravani
INORGANICA CHIMICA ACTA Volume: (359) 2154 - 2158

Conferences Papers

2025

1. Preparation of a hydroquinone-doped copper-terephthalate metal-organic framework for the measurement of phenolic pollutants in water

Mojtaba Dehviri, Niloufar Akbarzadeh- Torbati, Hamideh Saravani, Mahdi shahbakhsh

2. Synthesis, characterization, and performance evaluation of MoS/NiO nanocomposite as an efficient catalyst in the oxidative desulfurization process

Mohammad Sabaghi, Hamideh Saravani, somayeh ostovar

3. Synthesis and characterization of heterogeneous metal-organic framework nanocatalysts from cobalt metal and investigation of catalytic effect in alcohol oxidation

Farideh Rahat Dahmardeh, Hamideh Saravani

4. The effect of the presence or absence of the substrate on the removal of methyl orange dye pollutants by hematite iron(III) oxide

Abolfazl Mehrouz, Hamideh Saravani, afsaneh shahriyar

5. Design and characterization of MoS₂/Co₂O₃ nanocomposite as an advanced catalyst for the removal of sulfur compounds

7. The effect of pH on facile one-pot phytosynthesis of Ag/Fe bimetallic nanoparticles using leaf aqueous extract of *Maclura pumifera*

Amir hosein Zhasem, Hamideh Saravani, Alireza Einali, Omid Azizian-Shermeh

2021

8. اکسید مختلط نیکل مس به عنوان تقویت کننده فعالیت الکتروکاتالیستی فلزات نجیب برای الکترواکسایش اتیلن گلیکول

5th Iranian Applied Chemistry Seminar

Hanieh Amiranipoor, Fariba Kaedi, Zahra Yavari, Hamideh Saravani

2020

9. Efficiency studies of multifunctions Pd-Co-SrCeCuO₃+delta nanocatalyst for ethanol electrooxidation

9th Iran International Conference on Materials Science Metallurgical Engineering (iMat2020)

Fariba Kaedi, Zahra Yavari, Mahbobeh Ahmadi nasab, Hamideh Saravani

10. Nanosized Co and Pd binary electrocatalyst loaded on Ce_{0.25}Sr_{1.75}NiO_{3.75} nanoparticles for ethanol electrooxidation

8th International Conference on Nanostructures (ICNS8)- Sharif

Zahra Yavari, Safiye Hashemzayee, Hamideh Saravani, Meissam Noroozifar

11. Self-propagation high temperature synthesis: A new route for fabrication of porous Mg-doped cerium oxide

5th International Conference on Researches in Science Engineering 2nd International Congress on Civil, Architecture and Urbanism in Asia

Zahra Hashemzaiee, Mehdi Shahbakhsh, Sabere Narouie, Hamideh Saravani, Mahmood Sharifitabar

2019

12. Preparation and Characterization of SrCeCuO₃ and its Application Assisting with Pd and Co as Nano-Catalyst for Electrooxidation of Ethylene Glycol

Mahbobeh Ahmadi nasab, Zahra Yavari, Hamideh Saravani, Meissam Noroozifar

13. Ce_{0.25}Sr_{1.75}NiO_{3.75} Assisting with Pd and Co Nanoparticles: Synthesize, Characterization and Catalytic Potentiality for Ethylene Glycol Electrooxidation

Safiye Hashemzayee, Zahra Yavari, Hamideh Saravani, Meissam Noroozifar

14. Synthesis, characterization, antibacterial activities of Ag(I) complex containing the SpymMe₂= 4,6-dimethyle-2-mercaptopyrimidine and interaction Between Ag(I) complex with salmon fish DNA

Farzaneh Damani gol, Hamideh Saravani

15. Three-dimensional architecture of Pd-Ag aerogel as a unique class of inorganic modern polymers toward formic acid oxidation

Hamideh Saravani,

16. Synthesis and characterization of nano-oxide (Co₃O₄)And(CeO₂) using precursor [(phen)₂(OH₂)Co(?-SCN)Ce(?-SCN)(SCN)₄Co(OH₂)(Phen)₂]NO₃

MAHIN MOHAMMADPOR, Hamideh Saravani, Masoud Rafigh esmaeilzaei

17. Synthesis and characterization of nanoparticle BaFe₂O₄ using precursor [Fe(bpy)₃]₂[Ba(acac)₂(SCN)₂ (H₂O)₂]

Masoud Rafigh esmaeilzaei, Hamideh Saravani, Ahmad Reza Abbasian

18. Barium hexaferrite magnetic fluid: preparation, characterization and the in vitro identification of cytotoxicity and antibacterial activity

Masoud Rafigh esmaeilzaei, Hamideh Saravani

19. Synthesis and characterization of nano oxid (CeO₂) And (NiO) using precursor [(phen)₂(OH₂)Ni(?-SCN)Ce(?-SCN)(SCN)₄Ni(OH₂)(phen)₂] NO₃

Simin Rahat dahmarde, Hamideh Saravani, Masoud Rafigh esmaeilzaei

20. Synthesis and identification of the nickel dimethylformamide and thiocyanate [Ni (SCN) ₂ (DMF) ₄] complex by hydrothermal method

2011

21. Cobalt oxide nanoparticles prepared in two different ways, chemical, physical, and compare results

First National Conference on Nanoscience and Nanotechnology

Mousa Aliahmad, , Hamideh Saravani

2010

22. Synthesis Characterization and Crystal structure of Tetrahedral Cobalt(II) complex with 2,2'-biquinoline ligand

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

23. Synthesis Characterization and Crystal structure determination of Cobalt (II) and (III) complexes containing bipyridine derivatives

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

24. Synthesis and characterization of Cationic-Anionic Complex of Fe(III) Co(III)

, Alireza Rezvani, Hamideh Saravani

25. Synthesis Characterization and Crystal structure of new four-coordinated cobalt(II) complexes containing phenanthroline derivatives

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

26. Electrochemical behavior of Co(biq)Cl₂

Alireza Rezvani, Hamideh Saravani, Niloufar Akbarzadeh- Torbati,

27. Electrochemical behavior of bis 4-methyl benzoic acid bipyridylamine Cu(II) Cu(bpyam)(mba)₂

Alireza Rezvani, Hamideh Saravani, ,

28. Crystal structure of Octahedral Cobalt(III) complex with 5,5'-dimethyl-2,2'-bipyridine ligand

Alireza Rezvani, Niloufar Akbarzadeh- Torbati, Hamideh Saravani,

29. Crystal structure of Tetrahedral Cobalt(II) complex with 2,9-dimethyl-1,10-phenanthroline ligand

Alireza Rezvani, Niloufar Akbarzadeh- Torbati, Hamideh Saravani,

30. Crystal structure of Tetrahedral Cobalt(II) complex with 6,6'-dimethyl-2,2'-bipyridine ligand

Alireza Rezvani, Niloufar Akbarzadeh- Torbati, Hamideh Saravani,

31. Crystal structure of Tetrahedral Cobalt(II) complex with 6-methyl-2,2'-bipyridine ligand

Alireza Rezvani, Niloufar Akbarzadeh- Torbati, Hamideh Saravani,

32. Crystal structure of Tetrahedral Cobalt(II) complex with bathoneocuproin ligand

Alireza Rezvani, Niloufar Akbarzadeh- Torbati, Hamideh Saravani,

33. Crystal structure of Tetrahedral Cobalt(II) complex with 2,2'-biquinoline ligand

34. Synthesis of Co₃O₄ nanoparticles by modified sol-gel method and investigation of their optical properties

Iranian Physics Conference

Mousa Aliahmad, , Hamideh Saravani

2008

35. Synthesis of a novel proton- Transfer 1,2- Phenelindiamine and 2,6-pyridine carboxylic acid

Alireza Rezvani, Hamideh Saravani,

2006

36. Crystal Structure of Tetraphenylarsonium 4,4'-Azodi(phenylcyanamide) AsPh₄ 2Azodicyd

Hasan Hadad zadeh, Alireza Rezvani, , , Hamideh Saravani

2005

37. Synthesis Structure Spectroscopic and Magnetic Properties of Mono and Dinuclear Ni(II) Complexes with Phendione and Tetrapyridophenazine Ligands

RENACOM

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani

38. Crystal Structure Electrochemical Photo physical behavior and Stereoselective synthesis of octahedral Ru(II) phenanthroline derivatives complexes

Second world Congress on synthetic receptors

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani

2004

39. Synthesis and characterization and use of Ruthenium(II)Dipyridiouroinoxaline Norbornene as ROMP monomer

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani

40. The Synthesis of Novel Mononuclear Ru(II) Complexes and Effect of the Inner sphere on the Ru-NCNChromophore

14 Iranian chemistry chemical Engineering congress

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani,

41. Photophysical and Electrochemical studies of monomer and dimer of Ruthenium(II)Dipyridoquinoxaline-Norbornene

14 Iranian chemistry chemical Engineeing congress

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani,

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42. Green Chemistry

SayyedMostafa Habibi Khorassani, Hamideh Saravani

43. Spectroscopic magnetic properties and electrochemical studies of mono and dinuclear Cu(II) complexes with phendione derivatives ligands.

Second world Congress on synthetic receptors

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani

44. Synthesis of a Novel Proton-Transfer 1 10- phenanthroline-5 6-dion Pyridine-2 6-dicarboxylat

Alireza Rezvani, Hamideh Saravani,

45. Synthesis spectroscopic and electrochemical studies of (bpy)₂Ni 2(-dpcat) (PF₆)₂ complex

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani, Niloufar Akbarzadeh- Torbati,

46. Synthesis spectroscopic magnetic and electrochemical studies

, Alireza Rezvani, , Hamideh Saravani, Hasan Hadad zadeh

47. Synthesis spectroscopic and electrochemical studies of cis-Ru (phen)₂(2 5-Cl₂pcyd) complex

Alireza Rezvani, Hamideh Saravani, , ,

48. Synthesis and characterization Ni(II) complex of dipicolinic acid with poly pyridyl ligand

Alireza Rezvani, Hamideh Saravani, ,

49. Synthesis and characrization of Co(phen)₂CO₃ NO₃ complex

Hasan Hadad zadeh, Alireza Rezvani, , Hamideh Saravani

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

The 5th Conference of physical Chemistry persian Gulf University

SayyedMostafa Habibi Khorassani, Malektaher Maghsoodlou, Hamideh Saravani

51. 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.

52. Study of solvent and substituent effects on the electrochemical behaviors of complexes iron (III) porphyrins

10th Iranian Inorganic Chemistry Conference

Alireza Rezvani, Hamideh Saravani,

53. Zinc chemistry with 1 10-phenanthroline- 5 6-dione ligand

10th Iranian Inorganic Chemistry Conference

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani,

54. Synthesis and characterization of $\text{ClCu}(\text{tppz}) \text{Ni}(\text{tppz})\text{CuCl}(\text{PF}_6)_4$ complex

10th Iranian Inorganic Chemistry Conference

Hasan Hadad zadeh, , Hamideh Saravani

55. Synthesis and characterization $\text{Zn}(\text{dipic})(\text{phen-dion})\text{Cl} \cdot \text{NH}_4$ complex

10th Iranian Inorganic Chemistry Conference

Alireza Rezvani, Hamideh Saravani,

56. Five Coordinated of $\text{Cu}(\text{II})$ with 1 10-phenanthroline- 5 6-dione

10th Iranian Inorganic Chemistry Conference

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani,

57. Synthesis spectroscopic and electrochemical studies of $\text{Cu}(\text{phen})_2 2(\text{-dpcat})(\text{PF}_6)_2$ complex

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani,

58. Electrochemical and spectroscopic studies of the effect of co-ligand and metal on the metal metal coupling in dinuclear transition metal complexes

Alireza Rezvani, Hamideh Saravani,

59. Hexa Coordinated of $\text{Zn}(\text{II})$ With 1 10-Phenanthroline -5 6-Dione

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani, ,

60. Crystal Structure of a Cocrystal compound 1 10Phenanthroline -5 6- Dione and 2 6 Pyridinedicarboxylic Acid Tetrahydrat

Alireza Rezvani, Hamideh Saravani,

61. Crystal Structure of a Cyclometalated Rhodium(III) Complex With Phen-Dione Ligand

Alireza Rezvani, Hasan Hadad zadeh, , Hamideh Saravani,

62. Crystal Structure of $\text{Cu}(\text{terpy})(\text{phen-dione})(\text{PF}_6)_2$

Alireza Rezvani, Hasan Hadad zadeh, Hamideh Saravani, ,

Executive activities

مدیر کل امور اداری

from 1401/06/19 - to 1401/10/27

مدیر گروه 09091399

from 1399/06/22 - to 1400/06/01