

به نام خدا



- اطلاعات فردی -

نام و نام خانوادگی: وحید امانی

محل کار: دانشگاه فرهنگیان، مرکز آموزش عالی شهید بهشتی

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تلفن: ۰۹۱۲۴۲۱۲۵۴۹

- چکیده‌ی فعالیت‌های علمی -

(۱) تحصیلات دانشگاهی

(آ) لیسانس شیمی از دانشگاه لرستان، تیرماه سال ۱۳۷۹ با معدل کل ۱۶/۲۲

(ب) فوق لیسانس شیمی معدنی از دانشگاه تربیت معلم تهران، مهرماه سال ۱۳۸۲ با معدل کل ۱۶/۹۶

(ج) دکتری شیمی معدنی از دانشگاه شهید بهشتی، بهمن ماه سال ۱۳۹۰ با معدل کل ۱۸/۵۶

(د) فوق دکتری شیمی معدنی، دانشگاه شهید بهشتی، از تاریخ ۹۱/۳/۱ لغایت ۹۳/۱۲/۲۹

(۲) عنوان تز فوق لیسانس:

تهیه و شناسایی کمپلکس‌های تری استامید- هگزا- μ - استاتو- μ_3 - اکسو- مونو کروم (III) دی آهن (III) و مونو آهن (III) دی کروم (III) کلرید، تری آنیلین- هگزا- μ - استاتو- μ_3 - اکسو- تری کروم (III) کلرید و تریس (تری آلکیل فسفات)- هگزا- μ - استاتو- μ_3 - اکسو- مونو کروم (III) دی آهن (III) کلرید.

(۳) عنوان رساله دکتری:

سنتز و شناسایی کمپلکس‌های آهن (II) و (III) با لیگاندهای مخلوط تک‌دندانه و دو دندانه و بررسی خواص نوری و مغناطیسی آن‌ها

(۴) زمینه‌ها و علاقه‌های تحقیقاتی

- تهیه، شناسایی و بررسی اسپکتروسکوپی و ساختار بلوری کمپلکس‌های جدید در شیمی معدنی، با خواص نوری، مغناطیسی و ضد سرطانی
- آموزش شیمی

(۵) مقالات چاپ شده در نشریات معتبر بین‌المللی (ISI)

2004

1. Dihydronium 2,6- pyridinediamonium tris-(2,6-Pyridinedicarboxylato)Ytterbate (III) dihydrate.

Acta Crystallographica, **2004**, E60, m479.
M. Rafizadeh, M. Ranjbar and **V. Amani**

2005

2. Crystal Structure of Gadolinium(III) Complex, Dihydronium (2,6-pyridinediamonium) tris-(2,6-Pyridinedicarboxylato) Gadolinium(III) dihydrate, $C_{31}H_{34}GdN_9O_{16}$
Analytical Sciences, **2005**, 21, x113.
M. Rafizadeh, M. Ranjbar and **V. Amani**
3. Synthesis And Identification Of Two Novel Isostructure Base Carboxylate Complexes Cr_3O And Cr_2FeO With Urea
Chemistry: An Indian Journal, **2005**, 1, 673.
M. Rafizadeh, **V. Amani** and M. Naseh
4. Synthesis, Characterization and Crystal Structure of Thallium(I) Complex of Containing Monodeprotonated 2,6-Pyridinedicarboxylic Acid
Zeitschrift für anorganische und allgemeine Chemie, **2005**, 631, 1753.
M. Rafizadeh, **V. Amani** and B. Neumüller
5. Synthesis, Characterization and Crystal Structure of new Coordination Polymer of Cerium(III) and Samarium(III) Containing 2,6-Pyridinedicarboxylic Acid
Zeitschrift für anorganische und allgemeine Chemie, **2005**, 631, 952.
M. Rafizadeh, **V. Amani**, E. Iravani and B. Neumüller
6. Synthesis of Isomorphous Prototypic $[CrFe_2O(AcO)_6(TMP)_3]Cl$ AND $[CrFe_2O(AcO)_6(TEP)_3]Cl$ As Oxo-Centered Hetero Tri-Nuclear Carboxylate Complexes.
Turkish Journal of Chemistry, **2005**, 29, 385.
M. Rafizadeh, R. Tayebbe and **V. Amani**
7. Crystal structure and molecular stereochemistry of polymeric $Cu_2(DMP)_4(DMSO)$ as a platform for phosphate diester binding
Bulletin of the Korean Chemical Society, **2005**, 26, 594.
M. Rafizadeh, R. Tayebbe, **V. Amani** and M. Naseh

2006

8. Crystal Structure of a Novel Polymer of dioxo tetrakis(μ -dimethyl- phosphato) Dimethyl-sulfoxid Uranium(VI) Complex, $C_6H_{18}P_2O_{11}SU$
Analytical Sciences, **2006**, 22, x3.
M. Rafizadeh, F. Hoseinzadeh and **V. Amani**
9. Crystal Structure of Trinuclear, Oxo-Centered Base Carboxylate, Fe(III) Complex Contain DMSO Ligand and Anion of Fe_2Cl_6O .
Analytical Sciences, **2006**, 22, x127.
M. Rafizadeh, M. Naseh and **V. Amani**
10. Aquachloro(dimethyl sulfoxide- κO)(pyridine-2,6-dicarboxylato- $\kappa^3 O, N, O'$) iron(III)

Acta Crystallographica, **2006**, E62, m1332.
M. Rafizadeh, B. Mehrabi and **V. Amani**

11. Dihydronium bis(2,6- pyridinediamonium) tris-(Pyridine-2,6-dicarboxylato- κ^3 O, O',N) dysprosate(III)dihydrate.
Acta Crystallographica, **2006**, E62, m90.
M. Rafizadeh and **V. Amani**

12. Hexaaqua nickel(II) bis dimethyl phosphate
Acta Crystallographica, **2006**, E62, m1332.
M. Rafizadeh and **V. Amani**

13. Methyl N-[(2-hydroxynaphthalen-1-yl)(phenyl)methyl]carbamate
Acta Crystallographica, **2006**, E62, o3533.
A. Bazgir, **V. Amani** and H. R. Khavasi

14. Crystal Structure of a Novel Polymer of Bis (μ -dimethyl phosphato) (dimethyl sulfoxide)(μ_3 -nitrate) lanthanum(III), $C_6H_{18}P_2O_{12}NSLa$
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M. Rafizadeh, **V. Amani** and M. Broushaky

15. Crystal Structure of a Novel Polymer of Tetrakis (μ -diethylphosphato) dimethylsulfoxidedioxouranium(VI) Complex, $C_{20}H_{52}P_4O_{22}S_2U_2$
Analytical Sciences, **2006**, 22, x211.
M. Rafizadeh and **V. Amani**

16. 1-[(2-Hydroxynaphthalen-1-yl)(phenyl)methyl]- 3-methylurea
Acta Crystallographica, **2006**, E62, o3875.
A. Bazgir, **V. Amani** and H. R. Khavasi

17. Synthesis, Characterization and Crystal Structure of Chromium(III) Complex Containing 2,6-Pyridinedicarboxylic Acid with 1, 10-Phenanthroline
Zeitschrift für anorganische und allgemeine Chemie, **2006**, 632, 2190.
M. Rafizadeh, **V. Amani** and B. Neumüller

18. Poly[Aquatris(μ -dimethyl phosphato- κ^2 O,O')bis(μ -dimethyl sulfoxide- κ O) (dimethyl sulfoxide- κ O)dimanganese(II) nitrate monohydrate]
Acta Crystallographica, **2006**, E62, m2450.
M. Rafizadeh, **V. Amani** and H. Aghayan

19. Bisethylenediammonium benzene-1,2,4,5-tetracarboxilato dihydrate
Acta Crystallographica, **2006**, E62, o5034.
M. Rafizadeh, H. Aghayan and **V. Amani**

20. Synthesis, Characterization and Crystal Structure of a New Coordination Polymer of Lead(II) Containing 2,6-Pyridinedicarboxylic Acid
Zeitschrift für anorganische und allgemeine Chemie, **2006**, 632, 2383.

M. Rafizadeh, **V. Amani** and B. Neumüller

21. N-[(2-hydroxynaphthalen-1-yl)(phenyl)methyl]benzamide

Acta Crystallographica, **2006**, E62, o5523.

A. Bazgir, **V. Amani** and H. R. Khavasi

22. Crystal Structure of a Novel Polymer of Hexakis(μ -diethyl phosphato) (triethyl phosphate) dicerium(III), $C_{30}H_{75}Ce_2O_{28}P_7$

Analytical Sciences, **2006**, 22, x303.

V. Amani, M. Rafizadeh, M. Yousefi and N. S. Zargar

2007

23. Synthesis, Characterization and Crystal Structures of a Novel Polymer of Manganese(II) Containing Dimethyl phosphate

Zeitschrift für anorganische und allgemeine Chemie, **2007**, 633, 1143.

M. Rafizadeh, **V. Amani** and H. Farajian

24. Poly[ethylenediammonium [cuprate(II)- μ_4 -benzene-1,2,4,5 -tetracarboxylato- $\kappa^4 O, O', O'', O'''$]2.5-hydrate]

Acta Crystallographica, **2007**, E63, m1841.

M. Rafizadeh, **V. Amani***, L. Dehghan, F. Azadbakht and E. Sahlolbei

25. Poly[[(propane-1,2-diammonium)(benzene-1,2,4,5-tetracarboxylato- $\kappa^4 O, O', O'', O'''$) Zinc(II)]tetrahydrate]

Acta Crystallographica, **2007**, E63, m1938.

M. Rafizadeh, **V. Amani*** and S. Zahiri

26. Refinement of the crystal structure of methanol-(1,10-phenanthroline- N, N')trichloro - iron(III) methanol solvate, $FeCl_3(CH_3OH)(C_{12}H_8N_2) \cdot CH_3OH$

Zeitschrift für Kristallographie, NCS, **2007**, 222, 155.

H. R. Khavasi, **V. Amani** and N. Safari

27. 9-(4-bromophenyl)-3,4,6,7-tetrahydro-3,3,6,6-tetramethyl-2H-xanthene-1,8(5H,9H)-dione

Acta Crystallographica, **2007**, E63, o3493.

M. A. Bigdeli, G. H. Mahdavinia and **V. Amani**

28. 1,10-Diazonia-18-crown-6 dichloride

Acta Crystallographica, **2007**, E63, o3782.

M. Yousefi, **V. Amani** and H. R. Khavasi

29. 1,10-Diazonia-18-crown-6 hexachloridoplatinate(IV) dihydrate

Acta Crystallographica, **2007**, E63, m2460.

M. Yousefi, S. Teimouri, **V. Amani** and H. R. Khavasi

30. Synthesis, Characterization and Crystal Structure Determination of Iron(III)

Hetero-ligand Complexes Containing 2,2'-Bipyridine, 5,5'- Dimethyl-2,2'- Bipyridine and Chloride; $[\text{Fe}(\text{bipy})\text{Cl}_4][\text{bipy.H}]$ and $[\text{Fe}(\text{dmbipy})_2\text{Cl}_2][\text{FeCl}_4]$
Polyhedron, **2007**, 26, 4257.

V. Amani, N. Safari and H. R. Khavasi

31. Iron(III) Mixed-ligand Complexes; Synthesis, Characterization and Crystal Structure Determination of Iron(III) Hetero-ligand Complexes Containing 1,10-Phenanthroline, 2,2'-Bipyridine, Chloride and Dimethyl sulfoxide, $[\text{Fe}(\text{phen})\text{Cl}_3(\text{DMSO})]$ and $[\text{Fe}(\text{bipy})\text{Cl}_3(\text{DMSO})]$
Polyhedron, **2007**, 26, 4908.

V. Amani, N. Safari, H. R. Khavasi and P. Mirzaei

32. Tris(tribenzylammonium) hexachloridoplatinate(IV) chloride
Acta Crystallographica, **2007**, E63, m2748.

M. Yousefi, S. Teimouri, **V. Amani** and H. R. Khavasi

33. Synthesis, Characterization and Crystal Structures of new Macromolecule Iron(III) Containing Dimethyl phosphate, Acetate and Dimethyl sulfoxide
Zeitschrift für anorganische und allgemeine Chemie, **2007**, 633, 2738.

M. Rafizadeh and **V. Amani**

34. trans-Tetrachloridobis(pyrazine- κN)platinum(IV)
Acta Crystallographica, **2007**, E63, m2869.

M. Yousefi, S. Teimouri, **V. Amani** and H. R. Khavasi

35. Bis(2,9-dimethyl-1,10-phenanthroline) hexachloridoplatinate(IV)
Acta Crystallographica, **2007**, E63, m3114.

M. Yousefi, R. Ahmadi, **V. Amani** and H. R. Khavasi

2008

36. Refinement of the crystal structure of 1,10-phenanthroline tetrachloro-(1,10-phenanthroline)ferrate(III), $(\text{C}_{12}\text{H}_9\text{N}_2)[\text{FeCl}_4(\text{C}_{12}\text{H}_8\text{N}_2)]$
Zeitschrift für Kristallographie, NCS, **2008**, 223, 41.

H. R. Khavasi, **V. Amani** and N. Safari

37. (E)-2-{N-Ethyl-4-[(4-nitrophenyl)diazenyl]anilino}ethyl acrylate
Acta Crystallographica, **2008**, E64, o789.

M. Yousefi, H. Hosseini, **V. Amani**, M. Arab Chamjangali and H. R. Khavasi

38. Synthesis, Characterization and Crystal Structure of a New Coordination Polymer, $\{[\text{Ba}_2(\text{Hpydc})_2(\text{pydc})(\text{H}_2\text{O})_3].\text{H}_2\text{O}.(\text{H}_2\text{pydc})\}_n$
Bulletin of the Chemical Society of Ethiopia, **2008**, 22, 93.

M. Rafizadeh, V. Amani and R. Tayebee

39. Supramolecular architecture from a sodium coordination polymer with a 3D net containing 3-aminopyrazine-2-carboxylic acid, (APZC): Synthesis, characterization

- and crystal structure of $\{\text{Na}_2(\text{APZC})_2(\mu\text{-H}_2\text{O})_2(\mu_3\text{-H}_2\text{O})\}_n$
Chinese Journal of Chemistry, **2008**, 26, 500.
 R. Tayebee, **V. Amani**, and H. R. Khavasi
40. Tetrachlorido(2,3-di-2-pyridylpyrazine- $\kappa^2\text{N}^1, \text{N}^2$)platinum(IV)
Acta Crystallographica, **2008**, E64, m575.
 P. D. Kheirollahi Nezhad, F. Azadbakht, **V. Amani*** and H. R. Khavasi
41. Synthesis, Characterization and Crystal Structure Determination of Zinc (II) and Mercury (II) Complexes with 2,2'-Dimethyl-4,4'-bithiazole
Polyhedron, **2008**, 27, 1848.
 H. R. Khavasi, A. Abedi, **V. Amani**, B. Notash and N. Safari
42. 2-(2'-Quinoliny)-quinolinium nitrate
Acta Crystallographica, **2008**, E64, o990.
 A. Abedi, A. Bahrami and **V. Amani***
43. 1,4,10,13-Tetraoxa-7, 16-diazoniacyclooctadecane bis[tetrachloridoaurate(III)] dihydrate
Acta Crystallographica, **2008**, E64, m840.
 L. Hojjat Kashani, M. Yousefi, **V. Amani** and H. R. Khavasi
44. Poly[[diaqua- μ_4 -pyrazine-2,3-dicarboxylato- $\kappa^6\text{N}, \text{O}^2: \text{O}^2': \text{O}^3, \text{O}^3': \text{O}^3$ -strontium(II)] monohydrate]
Acta Crystallographica, **2008**, E64, m888.
 A. Abedi, M. Mousavi Mirkolaei and **V. Amani***
45. Tetrachlorido(4,4'-dimethyl-2,2'-bipyridine- $\kappa^2 \text{N}, \text{N}'$) platinum(IV)
Acta Crystallographica, **2008**, E64, m905.
 L. Hojjat Kashani, **V. Amani**, M. Yousefi and H. R. Khavasi
46. (2Z,3Z)-Quinoxaline-2,3(1H,4H)-dione dioxime
Acta Crystallographica, **2008**, E64, o1512.
 A. Kakanejadifard and **V. Amani**
47. μ -2,3,5,6-Tetra-2-pyridylpyrazine- $\kappa^3\text{N}^1, \text{N}^2, \text{N}^6: \kappa^3 \text{N}^3, \text{N}^4, \text{N}^5$ -bis[(methanol- κO)(nitrate- $\kappa^2\text{O}, \text{O}'$)(nitrate- κO)cadmium(II)]
Acta Crystallographica, **2008**, E64, m1050.
 M. S. Sadjadi, A. Ebadi, K. Zare, **V. Amani** and H. R. Khavasi
48. (2Z,3Z)-2,3-Dihydro-4H-1,4-benzothiazine-2,3-dione dioxime dihydrate
Acta Crystallographica, **2008**, E64, o1628.
 A. Kakanejadifard and **V. Amani**
49. Bis(2,6-dimethylpyridinium) hexachloridoplatinate(IV)
Acta Crystallographica, **2008**, E64, m1143.
V. Amani, R. Rahimi and H. R. Khavasi

50. Dichlorido(4,7-diphenyl-1,10-phenanthroline- $\kappa^2\text{N,N'}$)gold(III)tetrachloridoaurate(III)
Acta Crystallographica, **2008**, E64, m1156.
 R. Ahmadi, **V. Amani*** and H. R. Khavasi

51. Dichlorido(4,4'-di-tert-butyl-2,2'-bipyridine- $\kappa^2\text{N,N'}$)gold(III) tetrachloridoaurate (III)
 acetonitrile solvate
Acta Crystallographica, **2008**, E64, m1189.
 S. Ö Yildirim, M. Akkurt, N. Safari, **V. Amani**, V. McKee, A. Abedi, H. R. Khavasi

52. Dichloro(5,5'-dimethyl-2,2'-bipyridine- $\kappa^2\text{N,N'}$)zinc(II)
Acta Crystallographica, **2008**, E64, m1211.
 A. Khalighi, R. Ahmadi, **V. Amani*** and H. R. Khavasi

53. *catena*-Poly[[(5,5'-dimethyl- 2,2'-bipyridine- $\kappa^2\text{N,N'}$)cadmium(II)]- di- μ -chlorido]
 R. Ahmadi, A. Khalighi, K. Kalateh, **V. Amani*** and H. R. Khavasi
Acta Crystallographica, **2008**, E64, m1233.

54. Bis(2,6-dimethylpyridine- κN)gold(I) tetrachloroaurate(III)
Acta Crystallographica, **2008**, E64, m1237.
 R. Ahmadi, L. Dehghan, **V. Amani*** and H. R. Khavasi

55. Bis(2,4,6-trimethylpyridinium)hexachloridoplatinate (IV)
Acta Crystallographica, **2008**, E64, m1267.
 K. Kalateh, A. Ebadi, A. Abedi, **V. Amani*** and H. R. Khavasi

56. Dichlorido(6-methyl-2, 2'-bipyridine- $\kappa^2\text{N,N'}$)zinc(II)
Acta Crystallographica, **2008**, E64, m1266.
 R. Ahmadi, K. Kalateh, A. Ebadi, **V. Amani*** and H. R. Khavasi

57. Diiodido(4,4'-dimethyl-2, 2'-bipyridine- $\kappa^2\text{N,N'}$) mercury(II)
Acta Crystallographica, **2008**, E64, m1259.
 M. Yousefi, N. Tadayon Pur, **V. Amani*** and H. R. Khavasi

58. Diaqua(2,2'-bipyridine-5,5'-dicarboxylato- $\kappa^2\text{N,N'}$)(ethylenediamine- $\kappa^2\text{N,N'}$)
 cuprate(II) 2.5-hydrate
Acta Crystallographica, **2008**, E64, m1284.
 M. Yousefi, A. Khalighi, N. Tadayon Pur, **V. Amani*** and H. R. Khavasi

59. (5,5'-Dimethyl-2,2'-bipyridine- $\kappa^2\text{N,N'}$) diiodidomercury(II)
Acta Crystallographica, **2008**, E64, m1305.
 N. Tadayon Pour, A. Ebadi, A. Abedi, **V. Amani*** and H. R. Khavasi

60. Trichlorido(4,4'-dimethyl-2,2'-bipyridine- $\kappa^2\text{N,N'}$)(dimethyl sulfoxide- κO)-
 indium(III)
Acta Crystallographica, **2008**, E64, m1306.
 R. Ahmadi, K. Kalateh, A. Ebadi, A. Abedi, **V. Amani*** and H. R. Khavasi

61. (4,7-Diphenyl-1,10-phenanthroline- κ^2 N,N')diiodidomercury(II)
Acta Crystallographica, **2008**, E64, m1339.
 M. Yousefi, R. Rashidi Vahid, **V. Amani***, M. Arab Chamjangali and H. R. Khavasi
62. Trichlorido(5,5'-dimethyl-2,2'-bipyridine- κ^2 N,N')(methanol-kO)indium(III)
Acta Crystallographica, **2008**, E64, m1353.
 K. Kalateh, R. Ahmadi, A. Ebadi, **V. Amani*** and H. R. Khavasi
63. Synthesis and crystal structure of 1, 2-dihydro-1-(4-chlorophenyl)naphtho
 [1, 2-e][1, 3]oxazin-3-one
 H. R. Khavasi, A. Bazgir, **V. Amani** and R. Rahimi
Journal of Chemical Research, **2008**, 8, 450.
64. Dichlorido(6-methyl-2,2'-bipyridine- κ^2 N,N') mercury(II)
Acta Crystallographica, **2008**, E64, m1407.
 R. Ahmadi, A. Ebadi, K. Kalateh, A. Norouzi and **V. Amani***
65. Di- μ -bromido-bis[bromido(4,4'-dimethyl-2,2'-bipyridine- κ^2 N,N')mercury(II)]
Acta Crystallographica, **2008**, E64, m1397.
 K. Kalateh, A. Ebadi, R. Ahmadi, **V. Amani*** and H. R. Khavasi
66. C-H Activation in Bithiazole Ring with Thallium (III) Ion
Journal of Organometallic Chemistry, **2008**, 693, 3553.
 B. Notash, N. Safari, H. R. Khavasi, **V. Amani**, A. Abedi
67. Dibromido(di-2-pyridylamine- κ^2 N,N')mercury(II)
Acta Crystallographica, **2008**, E64, m1583.
 K. Kalateh, A. Norouzi, A. Ebadi, R. Ahmadi, and **V. Amani***

2009

68. Dichlorido(di-2-pyridylamine- κ^2 N,N')mercury(II)
Acta Crystallographica, **2009**, E65, m9.
 M. Yousefi, M. R. Allahgholi Ghasri, A. Heidari, and **V. Amani***
69. Bis(phenanthridinium) hexachloridoplatinate(IV) dimethyl sulfoxide disolvate
Acta Crystallographica, **2009**, E65, m235.
 S. Karaca, M. Akkurt, N. Safari, **V. Amani**, O. Büyükgüngörc and A. Abedi
70. Synthesis, Characterization, and Crystal Structures of Novel Coordination Polymers
 of Praseodymium(III) and Neodymium(III) Containing Dialkyl phosphate
Bulletin of the Korean Chemical Society, **2009**, 30, 489.
 M. Rafizadeh, **V. Amani***, and N. S. Mortazavi
71. Dichlorido(5,5'-di-methyl-2,2'-bipyridine- κ^2 N,N')gold(III)hemi-tetrachloridoaurate
 (III) and hemi-dichloroaurate(I)
Acta Crystallographica, **2009**, E65, m335.
 S. Karaca, M. Akkurt, N. Safari, **V. Amani**, O. Büyükgüngörc, A. Abedi

72. 9-Oxo-4,5-diazafluoren-4-ium tetrachloridoaurate(III)-4,5-diazafluoren-9-one (1/1)
Acta Crystallographica, **2009**, E65, m344.
 N. Safari, **V. Amani**, B. Notash, S. W. Ng
73. (2, 2'-Dimethyl-4,4'-bi-1,3-thiazole $\kappa^2\text{N,N'}$)bis(thiocyanato- κS)mercury(II)
Acta Crystallographica, **2009**, E65, m372.
 N. Safari, **V. Amani**, A. Abedi, B. Notash, and S. W. Ng
74. Dibromido(2,9-dimethyl-1,10-phenanthroline- $\kappa^2\text{N,N'}$)mercury(II)
Acta Crystallographica, **2009**, E65, m483.
 R. Alizadeh, A. Heidari, R. Ahmadi, and **V. Amani**
75. 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline-1-ium tetrachloridoaurate(III)
Acta Crystallographica, **2009**, E65, m479.
 S.Ö. Yıldırım, M. Akkurt, N. Safari, A. Abedi, **V. Amani**, and V. McKee
76. 2-[3-(2-Pyridyl)pyrazin-2-yl]pyridinium tetrachloridoaurate(III)
Acta Crystallographica, **2009**, E65, m491.
 S.Ö. Yıldırım, M. Akkurt, N. Safari, **V. Amani**, and V. McKee
77. Cadmium (II) Complexes Containing 2, 2'-Dimethyl-4,4'-bithiazole Ligand:
 Synthesis, Characterization and Crystal Structure
Journal of Coordination Chemistry, **2009**, 62, 1638.
 B. Notash, N. Safari, A. Abedi, **V. Amani** and H. R. Khavasi
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1. Synthesis, Characterization and study of mononuclear iron(III) complex with tridentate Schiff base as homogeneous catalyst in the efficient oxidation of sulfides
M. Bagherzadeh, L. Tahsini, R. Latifi, **V. Amani**, A. Ellern, L. K.Woo
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3. C-H Activation in Bithiazole Ring with Thallium(III) Ion
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2. Preparation, Identification and IR investigation of Triacetamid-hexa- μ - acetato- μ_3 -oxo-dichromium(III) monoiron(III)Chloride.

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6. Preparation, Identification and IR investigation of Tris-N-methylurea-hexa- μ -acetato- μ_3 -oxo-trichromium(III)Chloride.
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M. Rafizadeh, V. Amani and A. Norozi

10. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a Polymer Sm(III) 2, 6-pyridine dicarboxylic acid Complex
M. Rafizadeh, M. Ghasemzadeh and V. Amani

11. X-Ray Crystal Structure of a Novel Binuclear Calcium(II) Complex
M. Rafizadeh, M. Ranjbar and V. Amani

12. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a Novel Polymer of Tris-diethylphosphato Mono-triethylphosphate Ce(III) Ce(III) Complex
M. Rafizadeh, **V. Amani** and F. Hosseinzadeh
13. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a Novel Polymer of Dioxo Dimethylsulfoxid Bisdimethylphosphato Uranium(VI) Complex
M. Rafizadeh, **V. Amani** and F. Hosseinzadeh
14. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a new Binuclear Complex of La(III) with 2, 6-pyridine dicarboxylic acid
M. Rafizadeh **V. Amani** and M. A. M. H. Rostami
15. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a Novel Polymer Bis- μ -dimethylphosphato Mono- μ_3 oxo-dimethylsulfoxid- Bis Cupper(II) Complex
M. Rafizadeh, **V. Amani** and M. Naseh
16. Preparation, Identification and IR investigation of Tristhiourea-hexa- μ - acetato- μ_3 oxo- trichromium(III) Chloride
M. Rafizadeh, **V. Amani**, N. Shabrang and M. Naseh
17. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of a new Polymer Complex of Ce(III) with 2, 6-pyridine dicarboxylic acid
M. Rafizadeh, M. Ghasemzadeh and **V. Amani**
18. Synthesis, Characterization, IR investigation and X-ray Crystal Structure a Polymer of Tl(I) 2, 6-pyridine dicarboxylic acid Complex
M. Rafizadeh, M. Ghasemzadeh and **V. Amani**
19. Preparation, Identification and IR investigation of Trisurea-hexa- μ - acetato- μ_3 -oxo- dichromium (III) monoiron (III) Chloride
M. Rafizadeh, **V. Amani** and N. Shabrang
20. Preparation, Identification and IR investigation of Tristhiourea-hexa- μ - acetato- μ_3 oxo- triiron (III) Chloride
M. Rafizadeh, **V. Amani** N. Shabrang and A. Norozi
21. Synthesis, IR investigation and X-ray Crystal Structure of a new Complex of $\{\text{Fe}_{16}(\mu_3\text{-O})_8(\mu_3\text{-OH})_4(\mu_2\text{-OH})_4(\text{DMP})_{12}(\text{OAc})_{12}(\text{DMSO})_4\} \cdot \text{DMSO} \cdot 1.5\text{H}_2\text{O}$
M. Rafizadeh, M. A. M. H. Rostami and **V. Amani**
22. Synthesis, Characterization, IR investigation and X-ray Crystal Structure of Polycyclic Polynuclear Polymer of Ce(III) Dimethylphosphate Complex
M. Rafizadeh, **V. Amani** and F. Hosseinzadeh

23. Study of New Lanthanide Complexes of Self - Assembling System [pyda.H₂][pydc]:
Synthesis and Crystal Structure of Gd(III) and Dy(III) Complexes
V. Amani, M. Rafizadeh and M. Ranjbar

(م) دومین همایش سراسری شیمی، دانشگاه آزاد اسلامی - واحد ورامین - پیشوا ۳۰ - ۲۹ آذر ۸۳

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Barium(II) Complex with a Self-Assembling Pyridine Containing System Ligand
M. Rafizadeh, M. Ranjbar, **V. Amani** and A. Mahmudkhani
25. Study of the Reaction between a Self-Assembling Pyridine Containing
System Ligand and Sodium Ion
M. Rafizadeh, M. Ranjbar, **V. Amani** and A. Mahmudkhani

(ن) نهمین سمینار شیمی معدنی ایران، دانشگاه سمنان ۱۸ - ۱۷ اسفند ۸۵

26. Synthesis, Characterization and Crystal Structure Determination of Iron(III) Hetero-
ligand Complexes Containing 2,2'-Bipyridine, Chloride and Dimethyl sulfoxide,
[Fe(bipy)Cl₄][bipy.H] and [Fe(bipy)(DMSO)Cl₃]
V. Amani, H. R. Khavasi and N. Safari
27. Synthesis, Characterization and Crystal Structure of a Novel Polymer of tris(μ -
dimethyl phosphato) Neodymium(III) Complex
M. Rafizadeh, **V. Amani** and H. R. Khavasi
28. Synthesis, Characterization and Crystal Structure of a Novel Polymer of dioxo bis(μ -
dimethyl phosphato) trimethyl phosphate Uranium(VI) Complex
V. Amani, M. Rafizadeh and H. R. Khavasi
29. Synthesis, Characterization and Crystal Structure of a Novel Polymer of bis(μ -
dimethyl phosphato) bis(μ₃ - dimethyl phosphato) di Manganese (II) Complex
M. Rafizadeh, H. Farajian and **V. Amani**
30. Iron(III) Mixed-ligand Complexes; Synthesis, Characterization and Crystal Structure
Determination of Some Iron(III) Hetero-ligand Complexes Containing 1,10-
Phenanthroline
H. R. Khavasi, **V. Amani** and N. Safari

(س) دهمین کنفرانس شیمی معدنی ایران، دانشگاه سیستان و بلوچستان ۲۶ - ۲۵ اردیبهشت ۱۳۸۷

31. Synthesis, Characterization and Crystal Structure Determination of New
Thorium(IV) Nitrate Complex: [phen.H]₂[Th(NO₃)₆].2H₂O
R. Tayebee, **V. Amani** and H. R. Khavasi

32. Synthesis, Characterization and Crystal Structure of New Ion Pair Iron(III) Complex;
[Fe(dm4bit)₃][FeCl₄]₃
V. Amani, A. Abedi, B. Notash, H. R. Khavasi and N. Safari
33. Synthesis, Characterization and X-ray Structures of Cu Coordination Compounds
with 2,2'-Dimethyl-4,4'-bithiazole
R. Hashemi, A. Abedi, B. Notash, **V. Amani**, H. R. Khavasi and N. Safari
34. Synthesis, Characterization and Crystal Structure Determination of Zinc (II) and
Mercury (II) Complexes with 2,2'-Dimethyl-4,4'-bithiazole
N. Safari, **V. Amani**, B. Notash and H. R. Khavasi
35. Synthesis, Characterization and Crystal Structure Determination of Iron (III)
Hetero-ligand Complexes Containing 4,4'-Dimethyl-2,2'-Bipyridine, Dimethyl
sulfoxide and Chloride, [Fe(dmbipy)Cl₄][dmbipy.H] and [Fe(dmbipy)Cl₃(DMSO)]
V. Amani, B. Notash, H. R. Khavasi and N. Safari
36. Cadmium (II) Complexes Containing 2,2'-Dimethyl-4,4'-bithiazole Ligand:
Synthesis, Characterization and Crystal Structure
B. Notash, A. Abedi, **V. Amani**, H. R. Khavasi and N. Safari

ش) شانزدهمین همایش انجمن بلورشناسی و کانی شناسی ایران، دانشگاه گیلان ۲۳-۲۲ آبان
۱۳۸۷

۳۷- تهیه، شناسایی و بررسی ساختار بلوری کمپلکس‌های پلیمری کادمیم و استرانسیم با لیگاند ۳و۲- پیرازین
دی کربوکسیلیک اسید
آنیتا عابدی، وحید امانی، محبوبه نخعی، مریم میر کلاهی و حمیدرضا خواصی

۳۸- سنتز، شناسایی و ساختار بلورین دو پلیمر کوئوردیناسیون از تالیم و روی
مسعود رفیع‌زاده، فرانک منطقی، الهام سهل‌البیع، وحید امانی

ک) یازدهمین کنفرانس شیمی معدنی ایران، دانشگاه صنعتی اصفهان ۲۴-۲۳ اردیبهشت ۱۳۸۸

39. Synthesis, Characterization and Crystal Structure Determination of Platinum(II)
Complex: [Pt(4,7-diphbipy)Cl₂]
N. Safari, A. Abedi and **V. Amani**
40. Synthesis, Characterization and Crystal Structure Determination of
Gold(III)Complexes: [Au(dm4bit)Cl₃] and [Au(4bit)Cl₂][AuCl₄]
A. Abedi, N. Safari and **V. Amani**
41. Synthesis, Characterization and Crystal Structure Determination of Copper(II)
Complexes: [Cu(dm4bt)Cl(phet)] and [Cu(dm4bt)Cl₂(DMSO)]
N.Safari, R. Al-Hashemi, **V. Amani**, B. Noutash, A. Abedi, H. R. Khavasi

42. Synthesis, Characterization and Crystal Structure Determination of Platinum(IV) Complexes: [Pt(5,5'-dmbipy)Cl₄], [Pt(6-mbipy)Cl₄] and [Pt(4bit)Cl₄]
N. Safari, **V. Amani**, A. Abedi and, M. Akkurt

43. C-H Activation in Bithiazole Ring with Thallium(III) Ion
B. Notash, N. Safari, H. R. Khavasi, **V. Amani**, A. Abedi

ل) یازدهمین کنفرانس بیوشیمی ایران، دانشگاه تربیت مدرس ۷-۵ اسفند ۱۳۸۸

44. Iron complexes of bithiazole, as new suggested antitumor agents
A. Abedi, N. Safari, **V. Amani**, H. R. Khavasi

س) دوازدهمین کنفرانس شیمی معدنی ایران، دانشگاه گیلان ۲۵-۲۴ شهریور ۱۳۸۹

45. Synthesis and Characterization of Platinum(IV) Complexes: [Pt(dpyam)Cl₄].DMF and [Pt(4,4'-dtbipy)Cl₄]
V. Amani, A. Abedi, N. Safari

46. Synthesis, Characterization and Crystal structure Determination of New Oxo-Centered Trinuclear Iron(III) Acetate Complexes
V. Amani, N. Safari, H. R. Khavasi

47. Synthesis, Characterization and Crystal Structure Determination of Copper(II) Complexes: [Cu(dm4bt)Cl₂(DMSO)], [{Cu(dm4bt)(H₂O)(tpht)}.H₂O]_n, [Cu(dm4bt)-Cl(Hipht)] and [{Cu(dm4bt)(H₂O)(ipht)}₄.2H₂O]
R. Al-Hashemi, N. Safari, S. Amani, **V. Amani**, A. Abedi, H. R. Khavasi, S. W. Ng

48. Synthesis, Characterization and Crystal Structure Determination of Cobalt(II) and (III) complexes containing bipyridine derivatives
N. Akbarzadeh Torbati, A. R. Rezvani, H. Saravani, N. Safari, **V. Amani**

49. Synthesis, Characterization and Crystal Structure of Tetrahedral Cobalt(II) complexes with 2,2'-biquinoline ligand
N. Akbarzadeh Torbati, A. R. Rezvani, H. Saravani, N. Safari, **V. Amani**

50. Synthesis, Characterization and Crystal Structure Determination of new four-coordinated Cobalt(II) complexes containing phenanthroline derivatives
N. Akbarzadeh Torbati, A. R. Rezvani, H. Saravani, N. Safari, **V. Amani**

ش) پانزدهمین کنفرانس شیمی ایران، دانشگاه همدان ۱۵-۱۲ شهریور ۱۳۹۰

51. Synthesis, characterization, mechanochromism, photochromism and crystal structure of [Fe(dm4bt)₃][FeCl₄]₂ and [Fe(dm4bt)₃][FeBr₄]₂
V. Amani, A. Abedi, N. Safari, H. R. Khavasi

52. Synthesis, characterization, and crystal structure determination of indium(III) hetero-ligand complexes containing 1,10-phenanthroline derivate, chloride, acetonitrile and dimethyl sulfoxide, [In(Ph₂phen)Cl₃(CH₃CN)] and [In(Me₂phen)Cl₃(DMSO)].DMSO

V. Amani, A. Abedi, N. Safari

53. Luminescence properties of indium complexes with bithiazol ligand
A. Abedi, N. Safari, **V. Amani**

54. Cadmium coordination polymer as new precursors for preparation cadmium
and cadmium oxide nano-particles
S. Afra, M. M. Amini, **V. Amani**, O. Sadeghi

(م) سیزدهمین کنفرانس شیمی معدنی ایران، دانشگاه رازی کرمانشاه ۱۷-۱۶ شهریور ۱۳۹۰

55. Synthesis, Characterization, and Crystal Structure Determination of Iron(III) Hetero-
ligand Complexes Containing 1,10-Phenanthroline Derivate, Chloride and Dimethyl
sulfoxide, $[\text{Fe}(5\text{-Me-1,10-Phen})\text{Cl}_4][5\text{-Me-1,10-Phen.H}]$, $[\text{Fe}(5\text{-Cl-1,10-Phen})\text{Cl}_4][5\text{-Cl-1,10-Phen.H}]$ and $[\text{Fe}(5\text{-Me-1,10-Phen})(\text{DMSO})\text{Cl}_3]$
V. Amani, H. R. Khavasi, B. Notash, N. Safari

56. Synthesis, Characterization and Crystal Structure Determination of Platinum(IV)
Complexes: $[\text{Pt}(6,6'\text{-dmbipy})(\text{DMF})\text{Cl}_3]$ and $[\text{PtCl}_6][6,6'\text{-dmbipy.H}]_2$
V. Amani, H. R. Khavasi, B. Notash, N. Safari

۸) مقالات چاپ شده در نشریات علمی - پژوهشی داخلی

۱- بررسی تاثیر کمپلکس آهن دار $[\text{Fe}_3\text{O}(\text{OAc})_6(\text{H}_2\text{O})_3]\text{Cl}$ بر خون سازی در موش های ماده نژاد
Balb/C بالغ

مجله علوم دانشگاه تربیت معلم، سال ۱۳۸۴، جلد ۵، شماره اول و دوم، صفحه ۵۱۶-۵۰۵

کاظم پریور، مسعود رفیع زاده، نسیم حیاتی رودباری و وحید امانی

۲- پکتین و کاربردهای آن

مجله علمی تخصصی زیتون - وزارت جهاد کشاورزی، مهر و آبان ۱۳۸۵، شماره ۱۷۱، صفحه ۹-۱

مسعود رفیع زاده، وحید امانی و مجید امانی

۳- تهیه، شناسایی و بررسی ساختار بلوری کمپلکس دی برمیدو (۵،۵'-دی متیل-۲،۲'-بی پیریدین)

طلا (III) تترابرمیدو اوریات (III)

مجله شیمی کاربردی سمنان. جهت چاپ پذیرفته شده است.

۹) طرح های پایان یافته

۱- روش های سنتز کمپلکس های آهن با لیگاندهای مختلط غیریکسان فنانترولین، بی پیریدین، دی متیل سولفوکساید

و متانول از کمپلکس های با لیگاند یکسان

پایان طرح: تابستان ۱۳۸۷

محل اجرا: دانشگاه شهید بهشتی
سمت در طرح: هم کار اصلی

۲- تهیه، شناسایی و بررسی ساختار بلوری و اسپکتروسکوپی کمپلکس‌های پلاتین (IV) با لیگاندهای نیتروژن دار کی لیتی، نظیر مشتقات بی پیریدین
پایان طرح: تابستان ۱۳۸۸
محل اجرا: دانشگاه شهید بهشتی
سمت در طرح: مجری

۳- تهیه، شناسایی و بررسی ساختار بلوری و اسپکتروسکوپی کمپلکس‌های طلا (III) با لیگاندهای نیتروژن دار، نظیر مشتقات پیرازین، پیریدین و بی پیریدین
پایان طرح: بهار ۱۳۸۹
محل اجرا: دانشگاه شهید بهشتی
سمت در طرح: مجری

۴- سنتز و بررسی اثرات سیتوتوکسیک و ساختار بلوری کمپلکس‌های بیتيازول و مشتقات آن با فلزات پلاتین، طلا و آهن
پایان طرح: در حال انجام
محل اجرا: دانشگاه شهید بهشتی - دانشگاه تهران
سمت در طرح: هم کار اصلی

۵- سنتز و تعیین ساختار کمپلکس‌های انتقال پروتون طلا با لیگاندهای ۱،۱۰- فنانترولین، ۲،۲'- بی پیریدین و مشتقات آنها و ۱،۱۰- دی آزا- ۱۸- کرون - ۶
پایان طرح: زمستان ۱۳۸۷
محل اجرا: دانشگاه آزاد اسلامی، واحد شهر ری
سمت در طرح: هم کار اصلی

۶- سنتز و تعیین ساختار کمپلکس‌های بی کینولین با لانتانیدها
پایان طرح: تابستان ۱۳۸۸
محل اجرا: دانشگاه آزاد اسلامی، واحد تهران شمال
سمت در طرح: هم کار اصلی

۷- بررسی اثر زوج - یون بر خواص مغناطیسی و انتقال اسپین کمپلکس‌های بی تيازول با آهن (III)
پایان طرح: زمستان ۱۳۹۰
محل اجرا: دانشگاه شهید بهشتی - دانشگاه آزاد اسلامی، واحد تهران شمال

سمت در طرح: هم‌کار اصلی

۸- سنتز و بررسی ساختار بلوری و خواص فوتولومینسانس کمپلکس‌های ایندیوم با لیگاندهای بی‌پیریدین، فنانترولین، بی‌تiazول و مشتقات آن‌ها

پایان طرح: زمستان ۱۳۹۱

محل اجرا: دانشگاه شهید بهشتی - دانشگاه آزاد اسلامی، واحد تهران شمال

سمت در طرح: هم‌کار اصلی

۹- تهیه، شناسایی و بررسی اثرات سایتوتوکسیک کمپلکس‌های ضد سرطان طلا و آهن با مشتقات بی‌پیریدین و فنانترولین

پایان طرح: زمستان ۱۳۹۲

محل اجرا: دانشگاه شهید بهشتی - دانشگاه آزاد اسلامی، واحد تهران شمال

سمت در طرح: هم‌کار اصلی

۱۰- سنتز و بررسی خواص ساختاری و دارویی کمپلکس‌های ضد سرطان پلاتین و مس با لیگاندهای کی‌لیتی نیتروژن‌دار

پایان طرح: تابستان ۱۳۹۵

محل اجرا: دانشگاه تهران - دانشگاه آزاد اسلامی، واحد تهران شمال

سمت در طرح: هم‌کار اصلی

(۱۰) عناوین کسب شده

۱- پژوهشگر برتر وزارت آموزش و پرورش، دی‌ماه ۱۳۸۵

۲- معلم فرهیخته وزارت آموزش و پرورش، اردیبهشت ۱۳۸۶