Curriculum Vitae

Personal Information

Name: Abdollah
Surname: Salimi
Date of Birth: 1967
Place of Birth: Baneh-Kurdistan, Iran
Present Address: Dept of Chemistry, Univ. of Kurdistan, 66177-15175, Sanandaj, Iran
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Education

Ph.D.	Chemistry	Tarbiat Modares University, Tehran, Iran	1999
M. Sc	Chemistry	Tabriz University, Iran	1994
B. Sc	Chemistry	Mazandaran University, Iran	1991

Employment

- 2018-2019 Visiting Scientist, T.K. Sham research Group, Univ. of Westen Ontario, Canada
- 2006- Now Professor, Department of Chemistry, University of Kurdistan, Sanandaj-Iran
- 2003-2006 Associate Professor, Dep. of Chemistry University of Kurdistan, Sanandaj-Iran
- 2003-2004 Visiting Scientist, Richard Jay Compton Group, University of Oxford, UK.
- 1999-2003 Assistance Professor, Dep. of Chemistry University of Kurdistan, Sanandaj-Iran
- 1994-1995 Lecturer, Department of Chemistry University of Kurdistan, Sanandaj-Iran

Research Interests

- Photoelectrochemistry & Energy Conversion: Water splitting, hydrogen evolution reaction (HER), oxygen reduction reaction (ORR), photoelectrocatalytic reduction of CO_2, and development of novel catalysts for CO_2 and N_2 electroreduction.
- Bioelectrochemistry & Biosensors: Biofuel cells, bioelectronics, aptasensors, immunosensors, and tumor marker detection.
- Advanced Sensing & Imaging: Fluorescence resonance energy transfer (FRET) for cancer cell detection and imaging, and electrogenerated chemiluminescence (ECL), Photoelectrochemistry.

Selected Awards and Honors

- Prize of Academy of Medical Sciences of Iran in Basic Medical Sciences, 2007
- Top Researcher (Among 10 Leading Researchers in Nanotechnology), 2007 – 2012 (Consecutively for five years)
- Iranian Nanotechnology Society Award, 2008
- Iranian Nanotechnology Society Award, 2009
- International Khwarizmi Award, 2009
- UNESCO Einstein Medal for Fundamental Research, 2010
- Ranked among the World's Top 1% Highly Cited Scientists (Clarivate Web of Science), 2011 – Present
- Top Chemist Under 50, Iranian Chemical Society, 2015
- National Top Researcher in Basic Sciences, Ministry of Science, Research and Technology, 2016
- Prize of Academy of Medical Sciences of Iran in Basic Medical Sciences, 2018
- Iranian Nanotechnology Society Award, 2018
- Top Researcher (Among 10 Leading Researchers in Nanotechnology), 2019
- Ranked among the World's Top 2% Scientists (Stanford-Elsevier), 2020 – Present
- National Distinguished Professor, Ministry of Science, Research and Technology, Iran, 2021
- National Allameh Tabatabaei Award, 2024

Membership

- Iranian Chemical Society
- The International Society of Electrochemistry (ISE)
- Iranian Electrochemical Society

Service to the Science Community

- Advisory Board Member, Electrochemistry Communications (Elsevier), 2004 – Present
- Editorial Board Member, Journal of the Iranian Chemical Society (Springer), 2018 – Present
- Editorial Board Member, Analytical and Bioanalytical Chemistry Research
- Chair & Host, 8th Biannual Iranian Electrochemistry Meeting, Sanandaj, Iran, July 13-15, 2009

Supervision

- Supervised and advised the completion of more than 25 Ph.D. dissertations and 50 M.Sc. theses in Analytical Chemistry and Nanochemistry.

Positional and Administration

- Vice Chancellor for Graduate Studies, University of Kurdistan (2001–2003)
- Vice Chancellor for Research and Technology, University of Kurdistan (2005–2015)
- Member, Board of Trustees, University of Kurdistan (2005–2018)
- Member, Promotion Board, University of Kurdistan (2012–Present)
- Member, Supreme Council, Iranian Chemical Society (2014–Present)
- Member, Promotion Board, Razi University (2016–2018)
- Academic Advisory Board Member, Iranian Nanotechnology Initiative

Publications

- Authored more than 255 articles in peer-reviewed international journals and contributed 5 book chapters to major academic publishers, including Elsevier, Springer, the Royal Society of Chemistry (RSC), and the American Chemical Society (ACS).

Conferences:

More than 60 papers presented at national and international conferences.

Book Chapters

1- "Biosensors Fabrication based on Metal Oxide Nanomaterials" In: Nanostructured Materials for Electrochemical Biosensors, Amasankar, Y., Kumar S.A., Chen S.M. (Eds.), Nanotechnology Science and Technology Series, Nova Science Publisher, Inc., New York, (2009) pp. 153-212.
2- "Hemin/G-Quadruplex Horseradish Peroxidase-Mimicking DNAzyme: Principle and Biosensing Application" in Adv Biochem Eng Biotechnol, DOI: 10.1007/10_2017_37 © Springer International Publishing AG 2017.
3- "Enzyme-based electrochemical biosensors" in Electrochemical Biosensors, Elsevier publisher, Chapter 7, 167-211.
4- Nanoscale Sensores Based on Conductive Polymers, in Conductive polymers in Analytical Chemistry Pages, 219-254. published by American Chemical Society, 2022.
5- Metal-Organic Framework/Enzyme Composites (Chapter 11 pages 329-379) in Metal-Organic Framework in Analytical Chemistry , DOI: 10.1039/9781839167485 , published by Royal Society of Chemistry 2023.

Papers

1) Determination of chromium in serum and lake water by electrothermal atomic adsorbtion spectroscopy using vanadium and molybdenum modifier, Manzoori, J.L., Salimi, A. (1994) J. Anal. At. Spectrom. 9, pp. 337-339.

2) Graphite furnace atomic adsorbtion spectroscopy with matrix modification for determination of lead in drinking water, Manzoori, J. L., Salimi, A. (1996) J. Sci. .I. R. Iran, 7, pp. 243-246.

3) Electrochemica studies of 1,8-Dihydroxi-9,10-anthraquinone derivations in Acetonitrile, Salimi, A., Tamaddon, F., Sharghi, H., Mousavi, M.F., Golabi, S.M., Shamsipur, M. (1998) Polish. J. Chem., 72, pp. 2573-2382.

4) Plarographic studies on anion coordination chemistry. Host-Guest Interaction of Hexacyclen and pentacyclen with pyrophosphate, selenite, selenite, molybdate and tangustate anions, Salimi, A. Shamsipur, M. (1999) J. Incl. Phenom. Macrocycl. Chem., 34(4), pp. 455-464.

5) Electrocatalytic reduction of dioxygen at the surface of glassy carbon electrode modified by some anthraquinone substituted Podands, Salimi, A., Eshghi, H., Sharghi, H., Golabi, S.M., Shamsipur, M. (1999) Electroanalysis, 11(2), pp. 114-119.

6) Electrocatalysis of O_2 reduction at glassy carbon electrodes modified with adsorbed 1,4-dihydroxy-9,10-anthraquinone derivatives, Salimi, A., Mousavi, M. F., Sharghi, H., Shamsipur, M. (1999) Bull. Chem. Soc. Jpn. 72, pp. 2121-2127.

7) Electrocatalytic Reduction of Dioxygen on a Glassy Carbon Electrode Modified with Adsorbed Cobaloxime Complex, Salimi, A., Ghadermarzi, M. (2001) Anal. Sci., 17(10), pp. 1165-1170.

8) Electrocatalytic activity of cobaloxime complexes adsorbed on glassy carbon electrodes toward the reduction of dioxygen, Shamsipur, M., Salimi, A., Haddadzadeh, H., Mousavi, M.F. (2001) Journal of Electroanalytical Chemistry, 517(1-2), pp. 37-44.

9) Electrochemica properties of modified carbon paste electrodes contaning some amino derivatives of 9,10-anthraquinone, Shamsipur, M., Salimi, A., Golabi, S.M., Sharghi, H., Mousavi, M.F. (2001) Journal of Solid State Electrochemistry, 5, pp. 68-73.

10) Renewable-surface sol-gel derived carbon ceramic electrode fabricated by $[Ru(bpy)(tpy)Cl]PF_6$ and its application as an amperometric sensor for sulfide and sulfur oxoanions, Salimi, A., Pourbeyram, S., Amini, M.K. (2002) Analyst, 127, pp. 1649-1656.

11) Sol-gel derived carbon ceramic composite electrode containing a ruthenium complex for amperometric detection of insulin at physiological pH, Salimi, A., Pourbeyram, S., Haddadzadeh, H. (2003) Journal of Electroanalytical Chemistry, 542, pp. 39-49.

12) Renewable sol–gel carbon ceramic electrodes modified with a Ru-complex for the amperometric detection of l-cysteine and glutathione, Salimi, A., Pourbeyram, S. (2003) Talanta, 60(1), pp. 205-214.

13) Thallium(I)-Selective Membrane Potentiometric Sensor Based on Dibenzyldiaza-18-Crown-6, Khayatian, G., Shariati, S., Salimi, A. (2003) Bulletin of the Korean Chemical Society, 24(4), pp. 421-425.

14) Ultrasonic effects on the electro-reduction of oxygen at a glassy carbon anthraquinone-modified electrode. The Koutecky-Levich equation applied to insonated electro-catalytic reactions, Salimi, A., Banks, C.E., Compton, R.G. (2003) Physical Chemistry Chemical Physics, 5, pp. 3988-3993.

15) Sonoelectroanalysis: investigation of bismuth-film-modified glassy carbon electrodes, Banks, C.E., Kruusma, J., Hyde, M.E., Salimi, A., Compton, R.G. (2004) Analytical chemistry and Biochemistry, 379, pp. 277-282.

16) Boron doped diamond electrode modified with iridium oxide for amperometic detection of ultra trace amounts of arsenic(III), Salimi, A., Hyde, M.E., Banks, C.E., Compton, R.G. (2004) Analyst, 129, pp. 9-14.

17) Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine, Salimi, A., Banks, C.E., Compton, R.G. (2004) Analyst, 129, pp. 225-228.

18) Glucose biosensor prepared by glucose oxidase encapsulated sol-gel and carbon-nanotube-modified basal plane pyrolytic graphite electrode, Salimi, A., Compton, R.G., Hallaj, R. (2004) Analytical Biochemistry, 333(1), pp. 49-56.

19) Renewable Surface Sol-gel Derived Carbon Ceramic Electrode Modified with Copper Complex and Its Application as an Amperometric Sensor for Bromate Detection, Salimi, A., Alizadeh, V., Hadadzadeh, H. (2004) Electroanalysis, 16(23), pp. 1984-1991.

20) Adsorption and reactivity of chlorogenic acid at a hydrophobic carbon ceramic composite electrode: Application to amperometric detection of hydrazine, Salimi, A., Hallaj, R. (2004) Electroanalysis, 16(23), pp. 1964-1971.

21) Amperometric Detection of Dopamine in the Presence of Ascorbic Acid Using a Nafion Coated Glassy Carbon Electrode Modified with Catechin Hydrate as a Natural Antioxidant, Salimi, A., Abdi, K., Khayatian, G. (2004) Microchimica Acta, 144, pp. 161-169.

22) Preparation and electrocatalytic oxidation properties of a nickel pentacyanonitrosylferrate modified carbon composite electrode by two-step sol–gel technique: improvement of the catalytic activity, Salimi, A., Abdi, K., Khayatiyan, G. (2004) Electrochimica Acta, 49(3), pp. 413-422.

23) Enhancement of the analytical properties and catalytic activity of a nickel hexacyanoferrate modified carbon ceramic electrode prepared by two-step sol–gel technique: application to amperometric detection of hydrazine and hydroxyl amine, Salimi, A., Abdi, K. (2004) Talanta, 63(2), pp. 475-483.

24) Electrocatalytic properties of $[Ru(bpy)(tpy)Cl]PF_6$ at carbon ceramic electrode modified with nafion sol-gel composite: application to amperometric detection of l-cysteine, Salimi, A., Hallaj, R., Amini, M.K. (2005) Analytica Chimica Acta, 534(2), pp. 335-342.

25) Modification of carbon ceramic electrode prepared with sol-gel technique by a thin film of chlorogenic acid: application to amperometric detection of NADH, Salimi, A., Hallaj, R., Ghadermazi, M. (2005) Talanta, 65(4), pp. 888-894.

26) Catalytic oxidation of thiols at preheated glassy carbon electrode modified with abrasive immobilization of multiwall carbon nanotubes: applications to amperometric detection of thiocytosine, l-cysteine and glutathione, Salimi, A., Hallaj, R. (2005) Talanta, 66(4), pp. 967-975.

27) Amperometric Detection of Morphine at Preheated Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes, Salimi, A., Hallaj, R., Khayatian, G. (2005) Electroanalysis, 17(10), pp. 873-879.

28) Charge-Transfer Triiodide Ion-Selective Electrode Based on 7,16-Dibenzyl-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane, Khayatian, G., Rezatabar, H., Salimi, A. (2005) Analytical Sciences, 21(3), pp. 297-302.

29) Synthesis, spectroscopy and electrochemistry of cobalt(III) Schiff base complexes, Sarvestani; A.H., Salimi, A., Mohebbi, S., Hallaj, R., (2005) Journal of Chemical Research, 3, pp. 190-193.

30) Disposable Amperometric Sensor for Neurotransmitters Based on Screen-Printed Electrodes Modified with a Thin Iridium Oxide Film, Salimi, A., Alizadeh, V., Compton, R.G. (2005) Analytical Sciences, 21(11), pp. 1275-1280.

31) Oxovanadium (IV) complexes as homogenous catalyst-aerobic epoxidation of olefins, Mohebbi, S., Boghaei, D.M., Sarvestani, A.H., Salimi, A. (2005) Applied Catalysis A: General, 278(2), pp. 263-267.

32) Direct electrochemistry and electrocatalytic activity of catalase incorporated onto multiwall carbon nanotubes-modified glassy carbon electrode, Salimi, A., Noorbakhsh, A., Ghadermarz, M. (2005) Analytical Biochemistry, 344(1), pp. 16-24.

33) Renewable Surface Sol-Gel Derived Carbon Ceramic Electrode Modified with $[Ru(NH_3)_5Cl](PF_6)_2$ Complex: Application to Amperometric Detection of Chlorate, Salimi, A., Nasiri, S., Hadadzadeh, H., Mohebi, S. (2005) Electroanalysis, 17(24), pp. 2273-2280.

34) Non-enzymatic glucose detection free of ascorbic acid interference using nickel powder and nafion sol–gel dispersed renewable carbon ceramic electrode, Salimi, A., Roushani, M. (2005) Electrochemistry Communications, 7(9), pp. 879-887.

35) Amperometric detection of insulin at renewable sol-gel derived carbon ceramic electrode modified with nickel powder and potassium octacyanomolybdate(IV), Salimi, A., Roushani, M., Haghighi, B., Soltanian, S. (2006) Biosensors and Bioelectronics, 22(2), pp. 220-226.

36) Ampoerometric detection of ultra trace amounts of Hg(I) at the surface of boron doped diamond electrode modified with iridium oxide, Salimi, A., Alizadeh, V., Hallaj, R. (2006) Talanta, 68, pp. 1610-1616.

37) Triiodide ion-selective electrode based on charge-transfer complex of 4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo-[8.8.8]hexacosane, Khayatian, G., Rezatabar, H., Karonian, F.S., Salimi, A. (2006) J. Chin. Chem. Soc., 53 (5), pp. 1133-1139.

38) Micromolar determination of sulfur oxoanions and sulfide at a renewable sol-gel carbon ceramic electrode modified with nickel powder, Salimi, A., Roushani, M., Hallaj, R. (2006) Electrochimica Acta, 51(10), pp. 1952-1959.

39) Simultaneous determination of ascorbic acid, uric acid and neurotransmitters with a carbon ceramic electrode prepared with sol-gel technique, Salimi, A., MamKhezri, H., Hallaj, R. (2006) Talanta, 70(4), pp. 823-832.

40) Electroless deposition of vanadium-Schiff base complex onto carbon nanotubes modified glassy carbon electrode: Application to the low potential detection of iodate, periodate, bromate and nitrite, Salimi, A., Mamkhezri, H., Mohebbi, S. (2006) Electrochemistry Communications, 8(5), pp. 688-696.

41) Electroless deposition of thionin onto glassy carbon electrode modified with single wall and multiwall carbon nanotubes: Improvement of the electrochemical reversibility and stability, Salimi, A., Noorbakhsh, A., Soltanian, S. (2006) Electroanalysis, 18(7), pp. 703-711.

42) Amperometric detection of Nitrite, Iodate and Periodate on Glassy Carbon Electrode modified with Thionin and Multi-wall Carbon Nanotubes, Salimi, A., Noorbakhash, A., Karonian, F.S. (2006) International Journal of Electrochemical Science, 1, pp. 435-446.

43) Electrocatalytic reduction of chromium(VI) by thionin: Electrochemical properties and mechanistic study, Salimi, A., Amini, N., Danyali, H., Hallaj, R. (2006) Electroanalysis, 18(17), pp. 1664-1671.

44) Direct voltammetry and electrocatalytic properties of hemoglobin immobilized on a glassy carbon electrode modified with nickel oxide nanoparticles, Salimi, A., Sharifi, E., Noorbakhsh, A., Soltanian, S. (2006) Electrochemistry Communications, 8(9), pp. 1499-1508.

45) Electrocatalytic oxidation of sulfur containing amino acids at renewable Ni-powder doped carbon ceramic electrode: Application to amperometric detection L-cystine, L-cysteine and L-methionine, Salimi, A., Roushani, M. (2006) Electroanalysis, 18(21), pp. 2129-2136.

46) Electrocatalytic reduction of H_2O_2 and oxygen on the surface of thionin incorporated onto MWCNTs modified glassy carbon electrode: Application to glucose detection, Salimi, A., Noorbakhsh, A., Mamkhezri, H., Ghavami, R. (2007) Electroanalysis, 19(10), pp. 1100-1108.

47) Amperometric detection of nitrite, iodate and periodate at glassy carbon electrode modified with catalase and multi-wall carbon nanotubes, Salimi, A., Noorbakhsh, A., Ghadermarzi, M. (2007) Sensors and Actuators B: Chemical, 123(1), pp. 530-537.

48) Immobilization of glucose oxidase on electrodeposited nickel oxide nanoparticles: Direct electron transfer and electrocatalytic activity, Salimi, A., Sharifi, E., Noorbakhsh, A., Soltanian, S. (2007) Biosensors and Bioelectronics, 22(12), pp. 3146-3153.

49) Direct electrochemistry and electrocatalytic activity of catalase immobilized onto electrodeposited nano-scale islands of nickel oxide, Salimi, A., Sharifi, E., Noorbakhsh, A., Soltanian, S. (2007) Biophysical Chemistry, 125(2-3), pp. 540-548.

50) Modification of glassy carbon electrode with multi-walled carbon nanotubes and iron(III)-porphyrin film: Application to chlorate, bromate and iodate detection, Salimi, A., MamKhezri, H., Hallaj, R., Zandi, S. (2007) Electrochiomica Acta, 52(20), 6097-6105.

51) Nanomolar detection of hydrogen peroxide on glassy carbon electrode modified with electrodeposited cobalt oxide nanoparticles, Salimi, A., Hallaj, R., Soltanian, S., Mamkhezri, H. (2007) Analytica Chimica Acta, 594(1), pp. 24-31.

52) Simultaneous determination of ranitidine and metronidazole at glassy carbon electrode modified with single wall carbon nanotubes, Salimi, A., Izadi, M., Hallaj, R., Rashidi, M. (2007) Electroanalysis, 19(16), pp. 1668-1676.

53) Picomolar detection of insulin at renewable nickel powder-doped carbon composite electrode, Salimi, A., Roushani, M., Soltanian, S., Hallaj, R. (2007) Analytical Chemistrey, 79(19), pp. 7431-7438.

54) Immobilization of hemoglobin on electrodeposited cobalt-oxide nanoparticles: Direct voltammetry and electrocatalytic activity, (2007) Biophysical Chemistry, 130(3), pp. 122-131.

55) Amperometric and voltammetric detection of hydrazine using glassy carbon electrodes modified with carbon nanotubes and catechol derivatives, Salimi, A., Miranzadeh, L., Hallaj, R. (2008) Talanta, 75(1), pp. 147-156.

56) Electrochemical detection of trace amount of arsenic(III) at glassy carbon electrode modified with cobalt oxide nanoparticles, Salimi, A., Mamkhezri, H., Hallaj, R., Soltanian, S. (2008) Sensors and Actuators B: Chemical, 129(1), pp. 246-254.

57) Electrochemical properties and electrocatalytic activity of FAD immobilized onto cobalt oxide nanoparticles: Application to nitrite detection, Salimi, A., Hallaj, R., Mamkhezri, H., Hosaini, S.M.T. (2008) Journal of Electroanalytical Chemistry, 619-620(1-2), pp. 31-38.

58) Electrosorption of Os(III)-complex at single-wall carbon nanotubes immobilized on a glassy carbon electrode: Application to nanomolar detection of bromate, periodate and iodate, Salimi, A., Kavosi, B., Babaei, A., Hallaj, R. (2008) Analytica Chimica Acta, 618(1), pp. 43-53.

59) Highly sensitive sensor for picomolar detection of insulin at physiological pH, using GC electrode modified with guanine and electrodeposited nickel oxide nanoparticles, Salimi, A., Noorbakhash, A., Sharifi, E., Semnani, A. (2008) Biosensors and Bioelectronics, 24(4), pp. 792-798.

60) Modification of glassy carbon electrode with single-walled carbon nanotubes and α-silicomolybdate: Application to Sb(III) detection, Salimi, A., Korani, A., Hallaj, R., Khoshnavazi, R. (2008) Electroanalysis, 20(23), pp. 2509-2517.

61) Picomolar detection of hydrogen peroxide at glassy carbon electrode modified with NAD^+ and single walled carbon nanotubes, Salimi, A., Miranzadeh, L., Hallaj, R., Mamkhezri, H. (2008) Electroanalysis, 20(16), pp. 1760-1768.

62) Fabrication of glucose biosensor based on encapsulation of glucose-oxidase on sol-gel composite at the surface of glassy carbon electrode modified with carbon nanotubes and Celestine blue, Noorbakhsh, A., Salimi, A., Sharifi, E. (2008) Electroanalysis, 20(16), pp. 1788-1797.

63) Complexes with carbonate as a tridentate ligand: Synthesis and characterization of sandwich-type polyoxometallates $[(A\text{-}\alpha\text{-}AsW_9O_{34})_2(MOH_2)_3(CO_3)]^{11-}$ (M = Y(III), Yb(III) and Sm(III)), Khoshnavazi, R., Salimi, A., Moaser, A.G. (2008) Polyhydron, 27(4), pp. 1303-1309.

64) Electrocatalytic reduction of NAD^+ at glassy carbon electrode modified with single-walled carbon nanotubes and Ru(III) complexes, Salimi, A., Izadi, M., Hallaj, R., Soltanian, S., Hadadzadeh, H. (2009) Journal of Solid State Electrochemistry, 13(3), pp. 485-496.

65) Electrodeposition of guanine oxidation product onto zinc oxide nanoparticles: Application to nanomolar detection of l-cysteine, Hallaj, R., Salimi, A., Akhtari, K., Soltanian, S., Mamkhezri, H. (2009) Sensors and Actuators B: Chemical, 135(2), pp. 632-641.

66) Fabrication of a highly sensitive glucose biosensor based on immobilization of osmium complex and glucose oxidase onto carbon nanotubes modified electrode, Salimi, A., Kavosi, B., Hallaj, R., Babaei, A. (2009) Electroanalysis, 21(8), pp. 909-917.

67) Immobilization of $[Cu(bpy)_2]Br_2$ complex onto a glassy carbon electrode modified with $\alpha\text{-}SiMo_{12}O_{40}^{4-}$ and single walled carbon nanotubes: Application to nanomolar detection of hydrogen peroxide and bromate, Salimi, A., Korani, A., Hallaj, R., Khoshnavazi, R., Hadadzadeh, H. (2009) Analytica Chimica Acta, 635(1), pp. 63-70.

68) Amperometric detection of hydrogen peroxide at nano-nickel oxide/thionine and celestine blue nanocomposite-modified glassy carbon electrodes, Noorbakhsh, A., Salimi, A. (2009) Electrochimica Acta, 54(26), pp. 6312-6321.

69) Electrooxidation of insulin at silicon carbide nanoparticles modified glassy carbon electrode, Salimi, A., Mohamadi, L., Hallaj, R., Soltanian, S. (2009) Electrochemistry Communications, 11(6), pp. 1116-1119.

70) Fabrication of a sensitive cholesterol biosensor based on cobalt-oxide nanostructures electrodeposited onto glassy carbon electrode, Salimi, A., Hallaj, R., Soltanian, S. (2009) Electroanalysis, 21(24), pp. 2693-2700.

71) Deposition of $\alpha\text{-}SiMo_{12}O_{40}^{4-}$-$[Ru(bipyridine)\ (terpyridine)Cl]^+$ multilayer film on single wall carbon nanotube modified glassy carbon electrode: Improvement of the electrochemical properties and chemical stability, Salimi, A., Korani, A., Hallaj, R., Soltanian, S., Hadadzadeh, H. (2010) Thin Solid Films, 518(18), pp. 5304-5310.

72) Sensitive superoxide biosensor based on silicon carbide nanoparticles, Rafiee-Pour, H.-A., Noorbakhsh, A., Salimi, A., Ghourchian, H. (2010) Electroanalysis, 22(14), pp. 1599-1606.

73) Highly sensitive and selective amperometric sensors for nanomolar detection of iodate and periodate based on glassy carbon electrode modified with iridium oxide nanoparticles, Salimi, A., Hallaj, R., Kavosi, B., Hagighi, B. (2010) Analytica Chimica Acta, 661(1), pp. 28-34.

74) Carbon nanotubes-ionic liquid and chloropromazine modified electrode for determination of NADH and fabrication of ethanol biosensor, Salimi, A., Lasghari, S., Noorbakhash, A. (2010) Electroanalysis, 22(15), pp. 1707-1716.

75) Glucose biosensor based on silicon nitride nanoparticles, Salimi, A., Zand-Karimi, R., Noorbakhash, A., Soltanian, S. (2010) Electroanalysis, 22(20), pp. 2434-2442.

76) Immobilization of flavine adenine dinucleotide onto nickel oxide nanostructures modified glassy carbon electrode: Fabrication of highly sensitive persulfate sensor, Salimi, A., Noorbakhsh, A., Semnani, A. (2011) Journal of Solid State Electrochemistry, 15(9), pp. 2041-2052.

77) Direct voltammetry of copper, zinc-superoxide dismutase immobilized onto electrodeposited nickel oxide nanoparticles: fabrication of amperometric superoxide biosensor, Salimi, A., Noorbakhsh, A., Rafiee-Pour, H.-A., Ghourchian, H. (2011) Electroanalysis, 23(3), pp. 683-691.

78) A novel non-enzymatic hydrogen peroxide sensor based on single walled carbon nanotubes-manganese complex modified glassy carbon electrode, Salimi, A., Mahdioun, M., Noorbakhsh, A., Abdolmaleki, A., Ghavami, R. (2011) Electrochimica Acta, 56(9), pp. 3387-3394.

79) Development of DNA electrochemical biosensor based on immobilization of ssDNA on the surface of nickel oxide nanoparticles modified glassy carbon electrode, Noorbakhsh, A., Salimi, A. (2011) Biosensors and Bioelectronics, 30(1), pp. 188-196.

80) Nanomolar detection of guanine based on a novel cobalt oxide nanostructure-modified glassy carbon electrode, Hallaj, R., Salimi, A. (2011) Analytical Methods, 3(4), pp. 911-918.

81) Layer by layer assembly of glucose oxidase and thiourea onto glassy carbon electrode: Fabrication of glucose biosensor, Salimi, A., Noorbakhsh, A. (2011) Electrochimica Acta, 56(17), pp. 6097-6105.

82) SiC nanoparticles-modified glassy carbon electrodes for simultaneous determination of purine and pyrimidine DNA bases, Ghavami, R., Salimi, A., Navaee, A., (2011) Biosensors and Bioelectronics, 30, pp. 3864-3869.

83) Synthesis of Iridium Oxide Nanotubes by Electrodeposition into Polycarbonate Template: Fabrication of Chromium(III) and Arsenic(III) Electrochemical Sensor, Mafakheri, E., Salimi, A., Hallaj, R., Ramazani, A., Kashi, M.A. (2011) Electroanalysis, 23(10), pp. 2429-2437.

84) Cobalt oxide nanostructure-modified glassy carbon electrode as a highly sensitive flow injection amperometric sensor for the picomolar detection of insulin, Salimi, A., Hallaj, R. (2012) Journal of Solid State Electrochemistry, 16(3), pp. 1239-1246.

85) Sensitive amperometric detection of omeprazole and pantoperazole at electrodeposited nickel oxide nanoparticles modified glassy carbon electrode, Salimi, A., Enferadi, Z., Noorbakhash, A., Rashidi, K. (2012) Journal of Solid State Electrochemistry, 16(4), 1369-1375.

86) Low potential detection of NADH based on Fe_3O_4 nanoparticles/multiwalled carbon nanotubes composite: Fabrication of integrated dehydrogenase-based lactate biosensor, Teymourian, H., Salimi, A., Hallaj, R. (2012) Biosensors and Bioelectronics, 33(1), pp. 60-68.

87) Graphene nanosheets modified glassy carbon electrode for simultaneous detection of heroine, morphine and noscapine, Navaee, A., Salimi, A., Teymourian, H. (2012) Biosensors and Bioelectronics, 31(1), 205-211.

88) DNA/nickel oxide nanoparticles/osmium(III)-complex modified electrode toward selective oxidation of l-cysteine and simultaneous detection of l-cysteine and homocysteine, Sharifi, E., Salimi, A., Shams, E. (2012) Bioelectrochemistry, 86, pp. 9-21.

89) Electrocatalytic oxidation of NADH at electrogenerated NAD^+ oxidation product immobilized onto multiwalled carbon nanotubes/ionic liquid nanocomposite: Application to ethanol biosensing, Teymourian, H., Salimi, A., Hallaj, R. (2012) Talanta, 90, 91-98.

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