

Azadeh Azadbakht

List of Publications by Year in descending order

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74
papers

1,226
citations

331259

21
h-index

454577

30
g-index

75
all docs

75
docs citations

75
times ranked

1632
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Synthesis, Characterization, Crystal Structure, and Supramolecular Interactions of a New Proton Transfer Compound: 2-Aminopyrazinium 4-hydroxypyridinium-2,6-dicarboxylate. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2061-2066. | 0.1 | 0 |
| 2 | Hybrid synthetic receptor composed of molecularly imprinted polydopamine and aptamers for impedimetric biosensing of urea. <i>Mikrochimica Acta</i> , 2019, 186, 71. | 2.5 | 17 |
| 3 | Nano NiO/AlMCM41, a green synergistic, highly efficient and recyclable catalyst for the reduction of nitrophenols. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4864. | 1.7 | 8 |
| 4 | Preparation of modified glassy carbon electrode by the use of titanium oxide, copper and palladium nanoparticles and its application for the electrocatalytic and photoelectrocatalytic reduction of hydrogen peroxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5212-5221. | 1.1 | 8 |
| 5 | Co-Crystal of Phenylsuccinic Acid and 4,4'-Bipyridine: Synthesis, Characterization, Crystal Structure, and Supramolecular Interactions. <i>Crystallography Reports</i> , 2019, 64, 1038-1042. | 0.1 | 2 |
| 6 | High Performance Removal of Azo and Cationic Dyes Pollutants with Mn-Aluminophosphate Particles: Kinetics, Thermodynamics, and Adsorption Equilibrium Studies. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2604-2612. | 0.1 | 1 |
| 7 | Impedimetric aptasensor for kanamycin by using carbon nanotubes modified with MoSe ₂ nanoflowers and gold nanoparticles as signal amplifiers. <i>Mikrochimica Acta</i> , 2019, 186, 23. | 2.5 | 17 |
| 8 | Aptamer-Based Approach as Potential Tools for Construction the Electrochemical Aptasensor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 517-527. | 1.9 | 5 |
| 9 | Engineering an aptamer-based recognition sensor for electrochemical opium alkaloid biosensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3432-3442. | 1.1 | 10 |
| 10 | An aptamer embedded in a molecularly imprinted polymer for impedimetric determination of tetracycline. <i>Mikrochimica Acta</i> , 2019, 186, 56. | 2.5 | 35 |
| 11 | Synthesis, Characterization, Crystal Structure and Supramolecular Interactions of a New Ni(II) Compound Based on L-Histidine and Dipicolinic Acid; New Solid State Precursor for NiO Nanoparticles and Its Catalytic Activity for Nitrophenol Reduction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 502-516. | 1.9 | 2 |
| 12 | Amplified detection of streptomycin using aptamer-conjugated palladium nanoparticles decorated on chitosan-carbon nanotube. <i>Analytical Biochemistry</i> , 2018, 547, 57-65. | 1.1 | 31 |
| 13 | Aptamer-based sensor for diclofenac quantification using carbon nanotubes and graphene oxide decorated with magnetic nanomaterials. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 595-606. | 1.2 | 18 |
| 14 | A new one-dimensional 3D supramolecular coordination polymer of Cd ^{II} based on pyrazine and 3-nitroththalic acid: Synthesis, characterization, crystal structure, thermal analysis. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 74-79. | 0.9 | 1 |
| 15 | Single Layer of Gold Nanoparticles Self-Assembled on Gold Electrode as a Novel Sensor with High Electrocatalytic Activity. <i>Journal of Analytical Chemistry</i> , 2018, 73, 1118-1127. | 0.4 | 0 |
| 16 | Synthesis, characterization, crystal structure, thermal analysis of a new co-crystal supramolecular dinuclear zinc (II) complex containing chelidamate ligand. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 196-202. | 0.9 | 3 |
| 17 | Nanostructured aptamer-based sensing platform for highly sensitive recognition of myoglobin. <i>Mikrochimica Acta</i> , 2018, 185, 333. | 2.5 | 15 |
| 18 | Deposition of silver nanoparticles on polyester fiber under ultrasound irradiations. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 13-18. | 3.8 | 24 |

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|----|---|------|-----------|
| 19 | Impedimetric biosensor based on bimetallic AgPt nanoparticle-decorated carbon nanotubes as highly conductive film surface. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1699-1711. | 1.2 | 13 |
| 20 | Electrochemical switching with a DNA aptamer-based electrochemical sensor. <i>Materials Science and Engineering C</i> , 2017, 76, 925-933. | 3.8 | 29 |
| 21 | An Impedimetric Sensor Comprising Magnetic Nanoparticles@Graphene Oxide and Carbon Nanotube for the Electrocatalytic Oxidation of Salicylic Acid. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 901-911. | 1.9 | 8 |
| 22 | Voltammetric aptamer-based switch probes for sensing diclofenac using a glassy carbon electrode modified with a composite prepared from gold nanoparticles, carbon nanotubes and amino-functionalized Fe ₃ O ₄ nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 2825-2835. | 2.5 | 12 |
| 23 | Crystal growth of thin [Zn ₂ (H ₂ N-BDC) ₂ (4-bpdb)] · 3DMF metal-organic framework nanostructure on functionalized surfaces: study of structure effect on methyl dopa adsorption affinity. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 345-351. | 0.3 | 4 |
| 24 | Development of novel electrochemical sensor on the base of molecular imprinted polymer decorated on SiC nanoparticles modified glassy carbon electrode for selective determination of loratadine. <i>Materials Science and Engineering C</i> , 2017, 71, 1106-1114. | 3.8 | 32 |
| 25 | Solution and solid-state studies of a new supramolecular proton transfer salt and its VO ₂ complex constructed with chelidamic acid and 3,4-diaminopyridine. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 811-822. | 1.2 | 4 |
| 26 | A glassy carbon electrode modified with carbon nanotubes and reduced graphene oxide decorated with platinum-gold nanoparticles for voltammetric aptasensing of urea. <i>Mikrochimica Acta</i> , 2017, 184, 4685-4694. | 2.5 | 6 |
| 27 | Using Au@nano-C60 nanocomposite as an enhanced sensing platform in modeling a TNT aptasensor. <i>Analytical Biochemistry</i> , 2017, 534, 78-85. | 1.1 | 18 |
| 28 | Ultra-sensitive aptasensor based on a QGD nanocomposite for detection of hepatitis C virus core antigen. <i>Analytical Biochemistry</i> , 2017, 534, 64-69. | 1.1 | 86 |
| 29 | Surface-Renewable AgNPs/CNT/rGO Nanocomposites as Bifunctional Impedimetric Sensors. <i>Nano-Micro Letters</i> , 2017, 9, 4. | 14.4 | 16 |
| 30 | Aptamer-based electrochemical biosensor by using Au-Pt nanoparticles, carbon nanotubes and acriflavine platform. <i>Analytical Biochemistry</i> , 2017, 518, 35-45. | 1.1 | 43 |
| 31 | A new supramolecular coordination compound of Mg(II) with chelidamic acid: Synthesis, spectroscopic, crystal structures, and thermal analysis. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 515-520. | 0.9 | 5 |
| 32 | Dense coating of surface mounted Cu ₂ O nanoparticles upon silk fibers under ultrasound irradiation with antibacterial activity. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1273-1281. | 1.2 | 13 |
| 33 | Acriflavine immobilized onto polyethyleneimine-wrapped carbon nanotubes/gold nanoparticles as an electrochemical sensing platform. <i>Journal of Chemical Sciences</i> , 2016, 128, 257-268. | 0.7 | 7 |
| 34 | Design of folding-based impedimetric aptasensor for determination of the nonsteroidal anti-inflammatory drug. <i>Analytical Biochemistry</i> , 2016, 513, 77-86. | 1.1 | 30 |
| 35 | Fabrication of a highly sensitive and selective electrochemical sensor based on chitosan-coated Fe ₃ O ₄ magnetic nanoparticle for determination of antibiotic ciprofloxacin and its application in biological samples. <i>Canadian Journal of Chemistry</i> , 2016, 94, 803-811. | 0.6 | 18 |
| 36 | A novel impedimetric aptasensor, based on functionalized carbon nanotubes and prussian blue as labels. <i>Analytical Biochemistry</i> , 2016, 512, 58-69. | 1.1 | 25 |

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|----|---|------|-----------|
| 37 | A simple and label-free aptasensor based on amino group-functionalized gold nanocomposites-Prussian blue/carbon nanotubes as labels for signal amplification. <i>Journal of Electroanalytical Chemistry</i> , 2016, 776, 170-179. | 1.9 | 18 |
| 38 | Design of ultrasensitive bisphenol A aptamer based on platinum nanoparticles loading to polyethyleneimine-functionalized carbon nanotubes. <i>Analytical Biochemistry</i> , 2016, 512, 47-57. | 1.1 | 31 |
| 39 | Design and characterization of electrochemical dopamine aptamer as convenient and integrated sensing platform. <i>Analytical Biochemistry</i> , 2016, 507, 47-57. | 1.1 | 27 |
| 40 | Bifunctional impedimetric sensors based on azodicarboxamide supported on modified graphene nanosheets. <i>Materials Science and Engineering C</i> , 2016, 69, 221-230. | 3.8 | 5 |
| 41 | An electrochemical dopamine aptasensor incorporating silver nanoparticle, functionalized carbon nanotubes and graphene oxide for signal amplification. <i>Talanta</i> , 2016, 159, 307-316. | 2.9 | 56 |
| 42 | A label-free aptasensor based on polyethyleneimine wrapped carbon nanotubes in situ formed gold nanoparticles as signal probe for highly sensitive detection of dopamine. <i>Materials Science and Engineering C</i> , 2016, 68, 585-593. | 3.8 | 40 |
| 43 | Intermolecular complexes of nido-C ₂ B ₃ H ₇ with HF and LiH molecules: the theoretical studies, bonding properties and natural bond orbital (NBO) analysis. <i>Structural Chemistry</i> , 2016, 27, 477-485. | 1.0 | 1 |
| 44 | Synthesis, spectroscopic and crystal structure of a new 2D coordination polymer of Ni(II) constructed by naphthalene-1,4-dicarboxylic acid; Nanomolar detection of fructose at a nano-structured Ni(II) coordination polymer multiwall carbon nanotube. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 563-574. | 1.2 | 4 |
| 45 | Layer-by-Layer Synthesis of Nanostructure NiBTC Porous Coordination Polymer for Iodine Removal from Wastewater. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 479-487. | 1.9 | 7 |
| 46 | Controlled uptake and release of imatinib from ultrasound nanoparticles Cu ₃ (BTC) ₂ metal-organic framework in comparison with bulk structure. <i>Journal of Colloid and Interface Science</i> , 2016, 471, 112-117. | 5.0 | 24 |
| 47 | Preparation of the carboxylic acid-functionalized graphene oxide/gold nanoparticles/5-amino-2-hydroxybenzoic acid as a novel electrochemical sensing platform. <i>Monatshefte für Chemie</i> , 2016, 147, 705-717. | 0.9 | 2 |
| 48 | Copper inorganic-organic hybrid coordination compound as a novel L-cysteine electrochemical sensor: Synthesis, characterization, spectroscopy and crystal structure. <i>Journal of Chemical Sciences</i> , 2015, 127, 2005-2014. | 0.7 | 6 |
| 49 | Theoretical study of intermolecular interactions in CB ₄ H ₈ HOX (X=F, Cl, Br, I) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 778-785. | 2.0 | 3 |
| 50 | Synthesis and characterization of TMU-16-NH ₂ metal-organic framework nanostructure upon silk fiber: Study of structure effect on morphine and methyl orange adsorption affinity. <i>Fibers and Polymers</i> , 2015, 16, 1193-1200. | 1.1 | 23 |
| 51 | The Electrochemical Behavior of Au/AuNPs/PNA/ZnSe-QD/ACA Electrode Towards CySH Oxidation. <i>Nano-Micro Letters</i> , 2015, 7, 152-164. | 14.4 | 12 |
| 52 | Methyl orange removal from wastewater using [Zn ₂ (oba) ₂ (4-bpdh)]·3DMF metal-organic frameworks nanostructures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1582-1589. | 1.9 | 16 |
| 53 | Fabrication of an ultrasensitive impedimetric electrochemical sensor based on graphene nanosheet/polyethyleneimine/gold nanoparticle composite. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 277-287. | 1.9 | 10 |
| 54 | Surface decoration of Au-Pt bimetallic inorganic-organic hybrid nanocomposite modified carbon ceramic electrode with vanadium N-salicylidene-L-histidine-al-MCM-41 for electrooxidation of thiosulphate. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 843-856. | 0.3 | 1 |

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|----|---|-----|-----------|
| 55 | Immobilized organoruthenium(II) complexes onto polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles as a novel electrochemical sensing platform. <i>Materials Science and Engineering C</i> , 2015, 48, 270-278. | 3.8 | 14 |
| 56 | polyethyleneimine wrapped carbon nanotubes in situ formed gold nanoparticles decorated with DNA and NAD ⁺ as a novel bioelectrochemical sensing platform. <i>Electrochimica Acta</i> , 2014, 133, 82-92. | 2.6 | 12 |
| 57 | Direct Electrochemistry and Electrocatalysis of Hemoglobin on Bimetallic Au@Pt Inorganic-Organic Nanofiber Hybrid Nanocomposite and Mesoporous Molecular Sieve MCM-41. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 573-581. | 1.9 | 4 |
| 58 | Covalent attachment of Ni-2,3-pyrazine dicarboxylic acid onto gold nanoparticle gold electrode modified with penicillamine- CdS quantum dots for electrocatalytic oxidation and determination of urea. <i>Electrochimica Acta</i> , 2014, 125, 9-21. | 2.6 | 23 |
| 59 | Synthesis, crystal structures, spectroscopic, thermal analysis, electrochemical and solution studies of two new mixed metal coordination polymers based on dipicolinic acid and 3,4-diaminopyridine. <i>Inorganica Chimica Acta</i> , 2014, 410, 221-229. | 1.2 | 6 |
| 60 | Synthesis and characterization of nanocrystalline CoWO ₄ @silk fibers with antibacterial activity under ultrasound irradiation. <i>Fibers and Polymers</i> , 2013, 14, 687-692. | 1.1 | 4 |
| 61 | Fabrication of highly sensitive cysteine electrochemical sensor based on nanostructured compound and carbon nanotube modified electrode. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 1127-1138. | 0.3 | 3 |
| 62 | Ultrasound-assisted coating of silk yarn with nano-porous Co ₃ (BTC)2·12H ₂ O with iodine adsorption affinity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 431, 66-72. | 2.3 | 15 |
| 63 | Three new supramolecular compounds of copper (II), cobalt (II) and zirconium (IV) with pyridine-2,6-dicarboxylate and 3,4-diaminopyridine: Solid and solution states studies. <i>Polyhedron</i> , 2012, 43, 140-152. | 1.0 | 35 |
| 64 | A nano-structured Ni(II)-chelidamic acid modified gold nanoparticle self-assembled electrode for electrocatalytic oxidation and determination of methanol. <i>Materials Science and Engineering C</i> , 2012, 32, 1955-1962. | 3.8 | 10 |
| 65 | Nanomolar detection of hydrogen peroxide at a nano-structured adducts of diorganotin dichlorides multiwall carbon nanotube modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2012, 78, 82-91. | 2.6 | 7 |
| 66 | Synthesis and characterization of acrylic fibers with antibacterial silver nanoparticles. <i>Fibers and Polymers</i> , 2012, 13, 264-268. | 1.1 | 10 |
| 67 | Fabrication of a highly sensitive glucose electrochemical sensor based on immobilization of Ni(II)-pyromellitic acid and bimetallic Au@Pt inorganic-organic hybrid nanocomposite onto carbon nanotube modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2012, 76, 300-311. | 2.6 | 21 |
| 68 | A novel hydrazine electrochemical sensor based on a zirconium hexacyanoferrate film-bimetallic Au@Pt inorganic-organic hybrid nanocomposite onto glassy carbon-modified electrode. <i>Electrochimica Acta</i> , 2011, 56, 10044-10054. | 2.6 | 63 |
| 69 | Simultaneous Determination of Trace Zinc and Cadmium by Anodic Stripping Voltammetry Using a Polymeric Film Nanoparticle Self-Assembled Electrode. <i>Electroanalysis</i> , 2011, 23, 364-370. | 1.5 | 21 |
| 70 | An Electrochemical Sensor Based on Carbon Nanotube Bimetallic Au@Pt Inorganic-Organic Nanofiber Hybrid Nanocomposite Electrode Applied for Detection of Guaifenesin. <i>Electroanalysis</i> , 2011, 23, 2771-2779. | 1.5 | 23 |
| 71 | A nano-structured Ni(II)-ACDA modified gold nanoparticle self-assembled electrode for electrocatalytic oxidation and determination of tryptophan. <i>Electrochimica Acta</i> , 2011, 56, 4022-4030. | 2.6 | 40 |
| 72 | Synthesis, Crystal Structure, Spectroscopic, Electrochemical and Antimicrobial Properties of Cu(II) Complex with the Mixed Ligands of 2,9-dimethyl-1,10-phenanthroline and 4-hydroxypyridine-2,6-dicarboxylic Acid. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2167-2173. | 2.6 | 19 |

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|----|--|------|-----------|
| 73 | Fabrication of a Highly Sensitive Hydrazine Electrochemical Sensor Based on Bimetallic Au-Pt Hybrid Nanocomposite onto Modified Electrode. Nano-Micro Letters, 2010, 2, 296-305. | 14.4 | 13 |
| 74 | Application of a Palladium Hexacyanoferrate Film-Modified Aluminum Electrode to Electrocatalytic Oxidation of Hydrazine. Analytical Sciences, 2005, 21, 1317-1323. | 0.8 | 30 |