

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	Ultra-sensitive aptasensor based on a GQD nanocomposite for detection of hepatitis C virus core antigen. <i>Analytical Biochemistry</i> , 2017, 534, 64-69.	1.1	86
2	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
3	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
4	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
5	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
6	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
7	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
8	An aptamer embedded in a molecularly imprinted polymer for impedimetric determination of tetracycline. <i>Mikrochimica Acta</i> , 2019, 186, 56.	2.5	35
9	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
10	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
11	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
12	Application of a Palladium Hexacyanoferrate Film-Modified Aluminum Electrode to Electrocatalytic Oxidation of Hydrazine. <i>Analytical Sciences</i> , 2005, 21, 1317-1323.	0.8	30
13	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
14	Electrochemical switching with a DNA aptamer-based electrochemical sensor. <i>Materials Science and Engineering C</i> , 2017, 76, 925-933.	3.8	29
15	Design and characterization of electrochemical dopamine aptamer as convenient and integrated sensing platform. <i>Analytical Biochemistry</i> , 2016, 507, 47-57.	1.1	27
16	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
17	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
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	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
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	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
29	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
30	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
31	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
32	Surface-Renewable AgNPs/CNT/rGO Nanocomposites as Bifunctional Impedimetric Sensors. <i>Nano-Micro Letters</i> , 2017, 9, 4.	14.4	16
33	Ultrasound-assisted coating of silk yarn with nano-porous Co ₃ (BTC)·12H ₂ O with iodine adsorption affinity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 431, 66-72.	2.3	15
34	Nanostructured aptamer-based sensing platform for highly sensitive recognition of myoglobin. <i>Mikrochimica Acta</i> , 2018, 185, 333.	2.5	15
35	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
36	Fabrication of a Highly Sensitive Hydrazine Electrochemical Sensor Based on Bimetallic Au-Pt Hybrid Nanocomposite onto Modified Electrode. <i>Nano-Micro Letters</i> , 2010, 2, 296-305.	14.4	13

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37	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
38	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
39	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
40	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
41	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
42	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
43	Synthesis and characterization of acrylic fibers with antibacterial silver nanoparticles. <i>Fibers and Polymers</i> , 2012, 13, 264-268.	1.1	10
44	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
45	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
46	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
47	Nano NiO/AlMCM-41, a green synergistic, highly efficient and recyclable catalyst for the reduction of nitrophenols. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4864.	1.7	8
48	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
49	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
50	Acridine 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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Crystal growth of thin [Zn ₂ (H ₂ N-BDC) ₂ (4-bpbd)] · 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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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