

Azadeh Azadbakht

List of Publications by Year in descending order

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74
papers

1,226
citations

331670

21
h-index

454955

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. Russian Journal of Physical Chemistry A, 2019, 93, 2061-2066.	0.6	0
2	Hybrid synthetic receptor composed of molecularly imprinted polydopamine and aptamers for impedimetric biosensing of urea. Mikrochimica Acta, 2019, 186, 71.	5.0	17
3	Nano NiO/AlMCM-41, a green synergistic, highly efficient and recyclable catalyst for the reduction of nitrophenols. Applied Organometallic Chemistry, 2019, 33, e4864.	3.5	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. Journal of Materials Science: Materials in Electronics, 2019, 30, 5212-5221.	2.2	8
5	Co-Crystal of Phenylsuccinic Acid and 4,4'-Bipyridine: Synthesis, Characterization, Crystal Structure, and Supramolecular Interactions. Crystallography Reports, 2019, 64, 1038-1042.	0.6	2
6	High Performance Removal of Azo and Cationic Dyes Pollutants with Mn-Aluminophosphate Particles: Kinetics, Thermodynamics, and Adsorption Equilibrium Studies. Russian Journal of Physical Chemistry A, 2019, 93, 2604-2612.	0.6	1
7	Impedimetric aptasensor for kanamycin by using carbon nanotubes modified with MoSe ₂ nanoflowers and gold nanoparticles as signal amplifiers. Mikrochimica Acta, 2019, 186, 23.	5.0	17
8	Aptamer-Based Approach as Potential Tools for Construction the Electrochemical Aptasensor. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 517-527.	3.7	5
9	Engineering an aptamer-based recognition sensor for electrochemical opium alkaloid biosensing. Journal of Materials Science: Materials in Electronics, 2019, 30, 3432-3442.	2.2	10
10	An aptamer embedded in a molecularly imprinted polymer for impedimetric determination of tetracycline. Mikrochimica Acta, 2019, 186, 56.	5.0	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. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 502-516.	3.7	2
12	Amplified detection of streptomycin using aptamer-conjugated palladium nanoparticles decorated on chitosan-carbon nanotube. Analytical Biochemistry, 2018, 547, 57-65.	2.4	31
13	Aptamer-based sensor for diclofenac quantification using carbon nanotubes and graphene oxide decorated with magnetic nanomaterials. Journal of the Iranian Chemical Society, 2018, 15, 595-606.	2.2	18
14	A new one-dimensional 3D supramolecular coordination polymer of Cd ^{II} based on pyrazine and 3-nitrophthalic acid: Synthesis, characterization, crystal structure, thermal analysis. Inorganic and Nano-Metal Chemistry, 2018, 48, 74-79.	1.6	1
15	Single Layer of Gold Nanoparticles Self-Assembled on Gold Electrode as a Novel Sensor with High Electrocatalytic Activity. Journal of Analytical Chemistry, 2018, 73, 1118-1127.	0.9	0
16	Synthesis, characterization, crystal structure, thermal analysis of a new co-crystal supramolecular dinuclear zinc (II) complex containing chelidamate ligand. Inorganic and Nano-Metal Chemistry, 2018, 48, 196-202.	1.6	3
17	Nanostructured aptamer-based sensing platform for highly sensitive recognition of myoglobin. Mikrochimica Acta, 2018, 185, 333.	5.0	15
18	Deposition of silver nanoparticles on polyester fiber under ultrasound irradiations. Ultrasonics Sonochemistry, 2017, 34, 13-18.	8.2	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.	2.5	13
20	Electrochemical switching with a DNA aptamer-based electrochemical sensor. <i>Materials Science and Engineering C</i> , 2017, 76, 925-933.	7.3	29
21	An Impedimetric Sensor Comprising Magnetic Nanoparticlesâ€“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.	3.7	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.	5.0	12
23	Crystal growth of thin [Zn ₂ (H ₂ N-BDC) ₂ (4-bpdb)] Â· 3DMF metalâ€“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.	0.9	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.	7.3	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.	2.2	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.	5.0	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.	2.4	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.	2.4	86
29	Surface-Renewable AgNPs/CNT/rGO Nanocomposites as Bifunctional Impedimetric Sensors. <i>Nano-Micro Letters</i> , 2017, 9, 4.	27.0	16
30	Aptamer-based electrochemical biosensor by using Au-Pt nanoparticles, carbon nanotubes and acriflavine platform. <i>Analytical Biochemistry</i> , 2017, 518, 35-45.	2.4	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.	1.6	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.	2.2	13
33	Acriflavine immobilized onto polyethyleneimine-wrapped carbon nanotubes/gold nanoparticles as an eletrochemical sensing platform. <i>Journal of Chemical Sciences</i> , 2016, 128, 257-268.	1.5	7
34	Design of folding-based impedimetric aptasensor for determination of the nonsteroidal anti-inflammatory drug. <i>Analytical Biochemistry</i> , 2016, 513, 77-86.	2.4	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.	1.1	18
36	A novel impedimetric aptasensor, based on functionalized carbon nanotubes and prussian blue as labels. <i>Analytical Biochemistry</i> , 2016, 512, 58-69.	2.4	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.	3.8	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.	2.4	31
39	Design and characterization of electrochemical dopamine aptamer as convenient and integrated sensing platform. <i>Analytical Biochemistry</i> , 2016, 507, 47-57.	2.4	27
40	Bifunctional impedimetric sensors based on azodicarboxamide supported on modified graphene nanosheets. <i>Materials Science and Engineering C</i> , 2016, 69, 221-230.	7.3	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.	5.5	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.	7.3	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.	2.0	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.	2.2	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.	3.7	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.	9.4	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.	1.8	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.	1.5	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.	3.9	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.	2.1	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.	27.0	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.	3.7	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.	3.8	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.	0.9	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.	7.3	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.	5.2	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.	3.7	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.	5.2	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.	2.4	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.	2.1	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.	0.9	3
62	Ultrasound-assisted coating of silk yarn with nano-porous Co ₃ (BTC)·2H ₂ O with iodine adsorption affinity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 431, 66-72.	4.7	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.	2.2	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.	7.3	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.	5.2	7
66	Synthesis and characterization of acrylic fibers with antibacterial silver nanoparticles. <i>Fibers and Polymers</i> , 2012, 13, 264-268.	2.1	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.	5.2	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.	5.2	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.	2.9	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.	2.9	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.	5.2	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.	4.9	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.	27.0	13
74	Application of a Palladium Hexacyanoferrate Film-Modified Aluminum Electrode to Electrocatalytic Oxidation of Hydrazine. Analytical Sciences, 2005, 21, 1317-1323.	1.6	30