

# Navid Nasirizadeh

## List of Publications by Year in descending order

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88  
papers

2,779  
citations

172457

29  
h-index

197818

49  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3231  
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical nanobiosensor for plasma miRNA-155, based on graphene oxide and gold nanorod, for early detection of breast cancer. <i>Biosensors and Bioelectronics</i> , 2016, 77, 99-106.	10.1	290
2	Hematoxylin multi-wall carbon nanotubes modified glassy carbon electrode for electrocatalytic oxidation of hydrazine. <i>Electrochimica Acta</i> , 2007, 52, 4153-4160.	5.2	126
3	Electrochemical behavior of quercetin: Experimental and theoretical studies. <i>Journal of Electroanalytical Chemistry</i> , 2005, 584, 77-83.	3.8	115
4	Simultaneous determination of ascorbic acid, adrenaline and uric acid at a hematoxylin multi-wall carbon nanotube modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 666-672.	7.8	91
5	Early detection of Alzheimer's disease using a biosensor based on electrochemically-reduced graphene oxide and gold nanowires for the quantification of serum microRNA-137. <i>RSC Advances</i> , 2017, 7, 55709-55719.	3.6	86
6	An azithromycin electrochemical sensor based on an aniline MIP film electropolymerized on a gold nano urchins/graphene oxide modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 829, 27-34.	3.8	82
7	Electrocatalytic Characteristics of Hydrazine and Hydroxylamine Oxidation at Coumestan Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2006, 18, 507-512.	2.9	75
8	Determination of cefixime using a novel electrochemical sensor produced with gold nanowires/graphene oxide/electropolymerized molecular imprinted polymer. <i>Materials Science and Engineering C</i> , 2019, 96, 654-660.	7.3	69
9	Optimization of wool dyeing with rutin as natural dye by central composite design method. <i>Industrial Crops and Products</i> , 2012, 40, 361-366.	5.2	67
10	Development of an electrochemical nanosensor for the determination of gallic acid in food. <i>Analytical Methods</i> , 2016, 8, 1103-1110.	2.7	66
11	Introduction of hematoxylin as an electroactive label for DNA biosensors and its employment in detection of target DNA sequence and single-base mismatch in human papilloma virus corresponding to oligonucleotide. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2638-2644.	10.1	62
12	Electrochemical properties and electrocatalytic activity of hematoxylin modified carbon paste electrode toward the oxidation of reduced nicotinamide adenine dinucleotide (NADH). <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 288-294.	7.8	60
13	An electrochemical aptasensor for staphylococcal enterotoxin B detection based on reduced graphene oxide and gold nano-urchins. <i>Biosensors and Bioelectronics</i> , 2019, 127, 221-228.	10.1	59
14	Fabrication of a novel electrochemical sensor for determination of hydrogen peroxide in different fruit juice samples. <i>Journal of Food and Drug Analysis</i> , 2016, 24, 72-82.	1.9	58
15	Label-free electrochemical detection of Cloxacillin antibiotic in milk samples based on molecularly imprinted polymer and graphene oxide-gold nanocomposite. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 22-29.	5.0	56
16	Differential pulse voltammetric simultaneous determination of noradrenalin and acetaminophen using a hematoxylin biosensor. <i>Talanta</i> , 2009, 80, 656-663.	5.5	53
17	An Electrochemical Nanosensor Based on Molecularly Imprinted Polymer (MIP) for Detection of Gallic Acid in Fruit Juices. <i>Food Analytical Methods</i> , 2016, 9, 2721-2731.	2.6	50
18	Electrochemical evaluation of coumestan modified carbon paste electrode: Study on its application as a NADH biosensor in presence of uric acid. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 610-617.	7.8	49

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19	A sensitive DNA biosensor fabricated from gold nanoparticles and graphene oxide on a glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2016, 61, 506-515.	7.3	49
20	Removal of Fe(II) from aqueous solution using pomegranate peel carbon: equilibrium and kinetic studies. <i>International Journal of Industrial Chemistry</i> , 2013, 4, 19.	3.1	48
21	Graphene oxide based carbon composite as adsorbent for Hg removal: Preparation, characterization, kinetics and isotherm studies. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1170-1175.	3.5	46
22	Electrosynthesis of an imidazole derivative and its application as a bifunctional electrocatalyst for simultaneous determination of ascorbic acid, adrenaline, acetaminophen, and tryptophan at a multi-wall carbon nanotubes modified electrode surface. <i>Biosensors and Bioelectronics</i> , 2013, 41, 608-614.	10.1	44
23	A nanobiosensor composed of Exfoliated Graphene Oxide and Gold Nano-Urchins, for detection of GMO products. <i>Biosensors and Bioelectronics</i> , 2017, 95, 72-80.	10.1	43
24	Electrochemical behavior of an indenedione derivative electrodeposited on a renewable sol-gel derived carbon ceramic electrode modified with multi-wall carbon nanotubes: Application for electrocatalytic determination of hydrazine. <i>Electrochimica Acta</i> , 2009, 54, 2828-2836.	5.2	34
25	The comparison of sonochemistry, electrochemistry and sonoelectrochemistry techniques on decolorization of C.I Reactive Blue 49. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 609-615.	8.2	34
26	Preparation and structural, spectroscopic, thermal, and electrochemical characterizations of iron(III) compounds containing dipicolinate and 2-aminopyrimidine or acridine. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1718-1728.	2.2	32
27	Nano-biosensor based on reduced graphene oxide and gold nanoparticles, for detection of phenylketonuria-associated DNA mutation. <i>IET Nanobiotechnology</i> , 2018, 12, 417-422.	3.8	32
28	Preparation, electrochemical behavior and electrocatalytic activity of chlorogenic acid multi-wall carbon nanotubes as a hydroxylamine sensor. <i>Materials Science and Engineering C</i> , 2011, 31, 975-982.	7.3	31
29	A study of the electrochemical behavior of an oxadiazole derivative electrodeposited on multi-wall carbon nanotube-modified electrode and its application as a hydrazine sensor. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2683-2693.	2.5	30
30	Application of Oracet Blue in a novel and sensitive electrochemical biosensor for the detection of microRNA. <i>Analytical Methods</i> , 2015, 7, 9495-9503.	2.7	29
31	Development of a DNA biosensor for the detection of phenylketonuria based on a screen-printed gold electrode and hematoxylin. <i>Analytical Methods</i> , 2017, 9, 966-973.	2.7	29
32	Synthesis of conductive polymer-coated mesoporous MCM-41 for textile dye removal from aqueous media. <i>Journal of Nanostructure in Chemistry</i> , 2017, 7, 217-229.	9.1	29
33	Characterization of thermal and electrical properties of hybrid nanofluids prepared with multi-walled carbon nanotubes and Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104603.	5.6	28
34	Platelet-rich fibrin-loaded PCL/chitosan core-shell fibers scaffold for enhanced osteogenic differentiation of mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2021, 269, 118351.	10.2	28
35	Electrochemical detection of aflatoxin B1: an aptasensor prepared using graphene oxide and gold nanowires. <i>Analytical Methods</i> , 2019, 11, 6033-6042.	2.7	27
36	Fabrication, electrochemical characteristics and electrocatalytic activity of 4-((2-hydroxyphenylimino)methyl)benzene-1,2-diol electrodeposited on a carbon nanotube modified glassy carbon electrode as a hydrazine sensor. <i>Catalysis Science and Technology</i> , 2012, 2, 2492.	4.1	24

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37	A highly sensitive miR-195 nanobiosensor for early detection of Parkinson's disease. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 32-40.	2.8	24
38	Fabrication of antibacterial and hemostatic electrospun PVA nanofibers for wound healing. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	24
39	A comparison of the electrochemical and electroanalytical behavior of ascorbic acid, dopamine and uric acid at bare, activated and multi-wall carbon nanotubes modified glassy carbon electrodes. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, S55-S66.	2.2	23
40	A Novel Electrochemical Biosensor Based on a Modified Gold Electrode for Hydrogen Peroxide Determination in Different Beverage Samples. <i>Food Analytical Methods</i> , 2015, 8, 1546-1555.	2.6	23
41	Preparation of hydrophobic and conductive cotton fabrics using multi-wall carbon nanotubes by the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 14-21.	2.4	22
42	Hybrid Hydrogels Based on Poly(vinyl alcohol) (PVA)/Agar/Poly(ethylene glycol) (PEG) Prepared by High Energy Electron Beam Irradiation: Investigation of Physico-Mechanical and Rheological Properties. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600397.	3.6	22
43	Characterization and absorption studies of cationic dye on multi walled carbon nanotube-carbon ceramic composite. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 35-43.	5.8	22
44	A study of the electrochemical behavior of hematoxylin as an important bioactive flavonoid. <i>Electrochimica Acta</i> , 2011, 56, 3920-3925.	5.2	21
45	Developing a highly sensitive electrochemical sensor using thiourea-imprinted polymers based on an MWCNT modified carbon ceramic electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 802, 139-146.	3.8	21
46	Voltammetric sensing of oxacillin by using a screen-printed electrode modified with molecularly imprinted polyaniline, gold nanourchins and graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 798.	5.0	21
47	Lead-Selective Poly(vinyl chloride) Membrane Electrode Based on 1-Phenyl-2-(2-quinolyl)-1,2-dioxo-2-(4-bromo) phenylhydrazine. <i>Bulletin of the Korean Chemical Society</i> , 2005, 26, 51-56.	1.9	21
48	Speciation analysis of mercury in water samples by cold vapor atomic absorption spectrometry after preconcentration with dithizone immobilized on microcrystalline naphthalene. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1388-1391.	3.7	20
49	Delphinidin immobilized on silver nanoparticles for the simultaneous determination of ascorbic acid, noradrenalin, uric acid, and tryptophan. <i>Journal of Food and Drug Analysis</i> , 2016, 24, 406-416.	1.9	19
50	Electrochemical sensor for the determination of thiourea using a glassy carbon electrode modified with a self-assembled monolayer of an oxadiazole derivative and with silver nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 1069-1077.	5.0	19
51	Simultaneous determination of adrenaline, uric acid, and cysteine using bifunctional electrocatalyst of ruthenium oxide nanoparticles. <i>Comptes Rendus Chimie</i> , 2013, 16, 287-295.	0.5	18
52	Fabrication of an electrochemical sensor with Au nanorods-graphene oxide hybrid nanocomposites for in situ measurement of cloxacillin. <i>Materials Science and Engineering C</i> , 2021, 118, 111317.	7.3	18
53	Electrocatalytic determination of dopamine in the presence of uric acid using an indenedione derivative and multiwall carbon nanotubes spiked in carbon paste electrode. <i>Materials Science and Engineering C</i> , 2013, 33, 1491-1497.	7.3	17
54	Fabrication of a supercapacitor with a PVA-KOH-KI electrolyte and nanosilver flexible electrodes. <i>Microelectronic Engineering</i> , 2015, 140, 29-32.	2.4	17

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55	Optimization of nano TiO <sub>2</sub> pretreatment on free acid dyeing of wool using central composite design. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1068-1076.	5.8	17
56	A ratiometric electrochemical DNA-biosensor for detection of miR-141. <i>Mikrochimica Acta</i> , 2022, 189, 213.	5.0	17
57	Ultrasound-assisted electrochemical decolorization of anthraquinone dye C.I Reactive Blue 49, its optimization and synergic effect: a comparative study. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2455-2464.	3.5	16
58	Statistical optimization of wool dyeing with Alizarin Red S as a natural dye via central composite design. <i>Fibers and Polymers</i> , 2014, 15, 254-260.	2.1	15
59	Electrochemical Biosensor for Detection of Target DNA Sequence and Single-Base Mismatch Related to <i>Helicobacter Pylori</i> Using Chlorogenic Acid as Hybridization Indicator. <i>Journal of the Electrochemical Society</i> , 2016, 163, B43-B48.	2.9	15
60	Preconcentration of copper with dithizone-naphthalene for subsequent determination by atomic absorption spectrometry. <i>Journal of Analytical Chemistry</i> , 2007, 62, 46-50.	0.9	14
61	An electrochemical nanosensor for simultaneous determination of hydroxylamine and nitrite using oxadiazole self-assembled on silver nanoparticle-modified glassy carbon electrode. <i>Ionics</i> , 2017, 23, 1541-1551.	2.4	14
62	Modification of bitumen by EPDM blended with hybrid nanoparticles: Physical, thermal, and rheological properties. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 343-356.	4.2	14
63	Differential pulse voltammetric determination of hydroxylamine at an indenedione derivative electrode deposited on a multi-wall carbon nanotube modified glassy carbon electrode. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1977-1985.	0.6	13
64	An electrochemical DNA biosensor based on Oracet Blue as a label for detection of <i>Helicobacter pylori</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 91, 911-917.	7.5	13
65	Enhanced degradation of reactive dyes using a novel carbon ceramic electrode based on copper nanoparticles and multiwall carbon nanotubes. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 318-327.	3.5	12
66	A novel hemostat and antibacterial nanofibrous scaffold based on poly(vinyl alcohol)/poly(lactic acid) nanofibers. <i>Journal of Membrane Science</i> , 2011, 378, 10-18.	2.1	11
67	Electrochemical detection of bupropion drug using nanocomposite of molecularly imprinted polyaniline/Au nanoparticles/graphene oxide. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	11
68	Kinetic Determination of Thiocyanate on the Basis of Its Catalytic Effect on the Oxidation of Methylene Blue with Potassium Bromate. <i>Analytical Sciences</i> , 2005, 21, 1213-1216.	1.6	10
69	Fabrication, characterization and analytical performance of the hydroxylamine sensor based on an oracet blue multi-walled carbon nanotubes film deposited on an electrode surface. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1070-1077.	0.6	10
70	Synthesis and characterisation of a selective adsorbent based on the molecularly imprinted polymer for the removal of cloxacillin antibiotic residue from milk. <i>International Journal of Dairy Technology</i> , 2019, 72, 505-514.	2.8	10
71	Coated Wire Silver-Ion Selective Electrode Based on a <i>N,N</i> -Bis(2-thienylmethylene)-1,2-diaminobenzene. <i>Analytical Sciences</i> , 2004, 20, 815-819.	1.6	9
72	Voltammetric determination of Basic Red 13 during its sonoelectrocatalytic degradation. <i>Mikrochimica Acta</i> , 2017, 184, 4459-4468.	5.0	7

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73	Detection of Staphylococcal Enterotoxin A (SEA) using a sensitive nanomaterial-based electrochemical aptasensor. <i>Diamond and Related Materials</i> , 2022, 127, 109042.	3.9	7
74	Effect of electrospinning parameters on production of polyvinyl alcohol/poly(lactic acid) nanofiber using a mutual solvent. <i>Polymers and Polymer Composites</i> , 2021, 29, S844-S856.	1.9	6
75	Synthesis and Characterization a Novel Co-Crystal of Acridinium Bis(pyridine-2,6-dicarboxylato) Iron(III), Acridine, and Water Molecule, $\{[(\text{Hacr})[\text{Fe}(\text{pydc})_2]\}_2 \cdot \text{acr} \cdot \text{H}_2\text{O}$ . <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 1181-1185.	0.6	5
76	Developing a sensor for the simultaneous determination of adrenaline, uric acid, and tryptophan. <i>Ionics</i> , 2014, 20, 275-285.	2.4	5
77	Highly sensitive and selective voltammetric detection of isoniazid drug based on graphene oxide-gold nanourchin-poly(aniline) nanocomposite. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, , 110431.	5.0	5
78	Developing a Novel Nanocomposite of Gold Nanowires/Reduced Graphene Oxide/Molecularly Imprinted Polyaniline for the Electrochemical Sensing of Metronidazole. <i>Journal of Applied Biotechnology Reports</i> , 2019, 6, 60-68.	0.9	4
79	Nanocomposite of electrochemically reduced graphene oxide and gold nanourchins for electrochemical DNA detection. <i>IET Nanobiotechnology</i> , 2022, 16, 190-198.	3.8	4
80	Simultaneous Determination of Ascorbic Acid, L-Dopa, Uric Acid, Insulin, and Acetylsalicylic Acid on Reactive Blue 19 and Multi-Wall Carbon Nanotube Modified Glassy Carbon Electrode. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	3
81	Novel Non Enzymatic TBHQ Modified Electrochemical Sensor for Hydrogen Peroxide Determination in Different Beverage Samples. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	2
82	Preparation of A MWCNT-Graphite Composite Based on Sol Gel Method for Dye Removal. <i>Oriental Journal of Chemistry</i> , 2017, 33, 676-685.	0.3	2
83	Developing a Sensor for the Simultaneous Determination of Dopamine, Acetaminophen and Tryptophan in Pharmaceutical Samples Using a Multi-Walled Carbon Nanotube and Oxadiazole Modified Glassy Carbon Electrode. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
84	Preparation and electrochemical application of rutin biosensor for differential pulse voltammetric determination of NADH in the presence of acetaminophen. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 1421-1434.	0.8	1
85	A combination of nordihydroguaiaretic acid as an electron transfer mediator and multi-walled carbon nanotubes for simultaneous electrocatalytic determination of noradrenaline, uric acid, and tryptophan. <i>Catalysis Science and Technology</i> , 2013, 3, 1224.	4.1	1
86	Cellulase Pretreatment on Mercerized Cotton to Enhance X-Linking, Self-cleaning, and Antibacterial Properties Using Nano TiO <sub>2</sub> /CA/BTCA: Statistical Approaches. <i>Journal of Engineered Fibers and Fabrics</i> , 2013, 8, 155892501300800.	1.0	1
87	A Unique Example of a Co-crystal of $[\text{Co}(\text{AMTTO})_2(\text{H}_2\text{O})_2](\text{NO}_3)_2$ and $[\text{Co}(\text{AMTTO})_2(\text{CH}_3\text{CN})_2](\text{NO}_3)_2$ (AMTTO = 4-amino-5-methyl-1,2,4-triazol-3(2H)-thione). <i>Journal of Chemical Crystallography</i> , 2021, 51, 575.	1.1	0
88	Decolorization of Reactive Orange 122 as an Organic Pollutant by the Sono-electrochemical Process and Toxicity Evaluation. <i>Journal of Applied Biotechnology Reports</i> , 2018, 5, 117-124.	0.9	0