

Ali A Ensafi

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517
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13,231
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56
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526
ext. papers

14,645
ext. citations

5.1
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L-index

#	Paper	IF	Citations
517	A Novel DNA Biosensor Based on a Pencil Graphite Electrode Modified with Polypyrrole/Functionalized Multiwalled Carbon Nanotubes for Determination of 6-Mercaptopurine Anticancer Drug. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3634-3639	3.9	350
516	A high sensitive biosensor based on FePt/CNTs nanocomposite/N-(4-hydroxyphenyl)-3,5-dinitrobenzamide modified carbon paste electrode for simultaneous determination of glutathione and piroxicam. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 1-7	11.8	248
515	Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 640, 75-83	4.1	229
514	Simultaneous determination of N-acetylcysteine and acetaminophen by voltammetric method using N-(3,4-dihydroxyphenethyl)-3,5-dinitrobenzamide modified multiwall carbon nanotubes paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2011 , 155, 464-472	8.5	171
513	Sensitive voltammetric determination of epinephrine in the presence of acetaminophen at a novel ionic liquid modified carbon nanotubes paste electrode. <i>Journal of Molecular Liquids</i> , 2012 , 168, 69-74	6	169
512	Application of modified multiwall carbon nanotubes paste electrode for simultaneous voltammetric determination of morphine and diclofenac in biological and pharmaceutical samples. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 96-105	8.5	164
511	A differential pulse voltammetric method for simultaneous determination of ascorbic acid, dopamine, and uric acid using poly (3-(5-chloro-2-hydroxyphenylazo)-4,5-dihydroxynaphthalene-2,7-disulfonic acid) film modified	4.1	154
510	Highly selective determination of ascorbic acid, dopamine, and uric acid by differential pulse voltammetry using poly(sulfonazo III) modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 213-221	8.5	149
509	Simultaneous determination of copper, lead and cadmium by cathodic adsorptive stripping voltammetry using artificial neural network. <i>Analytica Chimica Acta</i> , 2006 , 561, 225-232	6.6	142
508	A voltammetric sensor based on NiO/CNTs ionic liquid carbon paste electrode for determination of morphine in the presence of diclofenac. <i>Materials Science and Engineering C</i> , 2014 , 35, 379-85	8.3	113
507	Highly sensitive voltammetric sensor based on catechol-derivative-multiwall carbon nanotubes for the catalytic determination of captopril in patient human urine samples. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 87, 480-8	6	106
506	Electrochemical determination of hydrogen peroxide using copper/porous silicon based non-enzymatic sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 398-405	8.5	94
505	An electrochemical nanocomposite modified carbon paste electrode as a sensor for simultaneous determination of hydrazine and phenol in water and wastewater samples. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 5879-88	5.1	91
504	Engineering onion-like nanoporous CuCo ₂ O ₄ hollow spheres derived from bimetal-organic frameworks for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10497-10506	13	89
503	A new non-enzymatic glucose sensor based on copper/porous silicon nanocomposite. <i>Electrochimica Acta</i> , 2014 , 123, 219-226	6.7	89
502	Caffeine electrochemical sensor using imprinted film as recognition element based on polypyrrole, sol-gel, and gold nanoparticles hybrid nanocomposite modified pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 77-83	11.8	79
501	On-line separation and preconcentration of lead(II) by solid-phase extraction using activated carbon loaded with xylenol orange and its determination by flame atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2008 , 150, 554-9	12.8	79

500	Electrochemical sensor based on porous silicon/silver nanocomposite for the determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2016 , 231, 239-244	8.5	78
499	Metronidazole determination with an extremely sensitive and selective electrochemical sensor based on graphene nanoplatelets and molecularly imprinted polymers on graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 192-199	8.5	78
498	Flow injection determination of hydrazine with fluorimetric detection. <i>Talanta</i> , 1998 , 47, 645-9	6.2	78
497	Kinetic spectrophotometric determination of hydrazine. <i>Analytica Chimica Acta</i> , 1995 , 300, 307-311	6.6	78
496	Characterization of Mn-nanoparticles decorated organo-functionalized SiO ₂ /Al ₂ O ₃ mixed-oxide as a novel electrochemical sensor: application for the voltammetric determination of captopril. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15022		77
495	DNA-functionalized biosensor for riboflavin based electrochemical interaction on pretreated pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 376-81	11.8	75
494	Fast and sensitive determination of captopril by voltammetric method using ferrocenedicarboxylic acid modified carbon paste electrode. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 9-15	2.6	74
493	A novel enzyme-free amperometric sensor for hydrogen peroxide based on Nafion/exfoliated graphene oxide-Co ₃ O ₄ nanocomposite. <i>Talanta</i> , 2013 , 103, 322-9	6.2	73
492	Fabrication of DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer electrochemical sensor for the determination of dopamine. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 490-6	11.8	72
491	Voltammetric determination of norepinephrine in the presence of acetaminophen using a novel ionic liquid/multiwall carbon nanotubes paste electrode. <i>Materials Science and Engineering C</i> , 2012 , 32, 1912-1918	8.3	71
490	Synthesis of molecularly imprinted polymer on carbon quantum dots as an optical sensor for selective fluorescent determination of promethazine hydrochloride. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 889-896	8.5	71
489	A novel electrochemical nanocomposite imprinted sensor for the determination of lorazepam based on modified polypyrrole@sol-gel@gold nanoparticles/pencil graphite electrode. <i>Electrochimica Acta</i> , 2014 , 123, 332-339	6.7	70
488	An electrochemical sensor based on multiwall carbon nanotubes and molecular imprinting strategy for warfarin recognition and determination. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 539-545	8.5	70
487	A sensitive nanocomposite-based electrochemical sensor for voltammetric simultaneous determination of isoproterenol, acetaminophen and tryptophan. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 51, 91-99	4.6	69
486	Electrocatalytic oxidation of hydrazine with pyrogallol red as a mediator on glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 583, 176-183	4.1	69
485	Simultaneous Determination of Ascorbic Acid, Acetaminophen, and Tryptophan by Square Wave Voltammetry Using N-(3,4-Dihydroxyphenethyl)-3,5-Dinitrobenzamide-Modified Carbon Nanotubes Paste Electrode. <i>Electroanalysis</i> , 2012 , 24, 666-675	3	68
484	Fabrication of an electrochemical DNA-based biosensor for Bacillus cereus detection in milk and infant formula. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 582-589	11.8	67
483	Sensitive DNA impedance biosensor for detection of cancer, chronic lymphocytic leukemia, based on gold nanoparticles/gold modified electrode. <i>Electrochimica Acta</i> , 2011 , 56, 8176-8183	6.7	67

482	Voltammetric measurement of trace amount of glutathione using multiwall carbon nanotubes as a sensor and chlorpromazine as a mediator. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1415-1423	2.6	67
481	Simultaneous determination of ascorbic acid, epinephrine, and uric acid by differential pulse voltammetry using poly(p-xylenolsulfonephthalein) modified glassy carbon electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 480-7	6	67
480	Electrocatalytic and Simultaneous Determination of Ascorbic Acid, Nicotinamide Adenine Dinucleotide and Folic Acid at Ruthenium(II) Complex-ZnO/CNTs Nanocomposite Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2014 , 26, 962-970	3	65
479	A new strategy for the selective determination of glutathione in the presence of nicotinamide adenine dinucleotide (NADH) using a novel modified carbon nanotube paste electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 104, 186-93	6	65
478	A new electrochemical sensor for the simultaneous determination of acetaminophen and codeine based on porous silicon/palladium nanostructure. <i>Talanta</i> , 2015 , 134, 745-753	6.2	64
477	Multiwall carbon nanotubes decorated with NiFe ₂ O ₄ magnetic nanoparticles, a new catalyst for voltammetric determination of cefixime. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 687-93	6	64
476	A simple and sensitive fluorimetric aptasensor for the ultrasensitive detection of arsenic(III) based on cysteamine stabilized CdTe/ZnS quantum dots aggregation. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 499-504	11.8	62
475	An ultrasensitive and selective electrochemical aptasensor based on rGO-MWCNTs/Chitosan/carbon quantum dot for the detection of lysozyme. <i>Biosensors and Bioelectronics</i> , 2018 , 115, 37-44	11.8	62
474	A novel one-step and green synthesis of highly fluorescent carbon dots from saffron for cell imaging and sensing of prilocaine. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 451-460	8.5	62
473	p-Aminophenol-multiwall carbon nanotubes-TiO ₂ electrode as a sensor for simultaneous determination of penicillamine and uric acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 81, 42-9	6	62
472	The fabrication and characterization of Cu-nanoparticle immobilization on a hybrid chitosan derivative-carbon support as a novel electrochemical sensor: application for the sensitive enzymeless oxidation of glucose and reduction of hydrogen peroxide. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 706-717	7.3	61
471	Sensitive voltammetric determination of diclofenac using room-temperature ionic liquid-modified carbon nanotubes paste electrode. <i>Ionics</i> , 2013 , 19, 137-144	2.7	61
470	Nickel nanoparticles supported on porous silicon flour, application as a non-enzymatic electrochemical glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 807-815	8.5	61
469	Application of ionic liquid-TiO ₂ nanoparticle modified carbon paste electrode for the voltammetric determination of benserazide in biological samples. <i>Materials Science and Engineering C</i> , 2013 , 33, 831-5	8.3	60
468	A Voltammetric Sensor Based on Modified Multiwall Carbon Nanotubes for Cysteamine Determination in the Presence of Tryptophan Using p-Aminophenol as a Mediator. <i>Electroanalysis</i> , 2010 , 22, 2558-2568	3	60
467	Electrocatalytic Determination of 6-Thioguanine at a p-Aminophenol Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2008 , 20, 1973-1979	3	60
466	Determination of glutathione in hemolysed erythrocyte by flow injection analysis with chemiluminescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 140-4	3.5	59
465	Electrocatalytic determination of sulfite using a modified carbon nanotubes paste electrode: application for determination of sulfite in real samples. <i>Ionics</i> , 2012 , 18, 687-694	2.7	58

464	N-(3,4-Dihydroxyphenethyl)-3,5-dinitrobenzamide-Modified Multiwall Carbon Nanotubes Paste Electrode as a Novel Sensor for Simultaneous Determination of Penicillamine, Uric acid, and Tryptophan. <i>Electroanalysis</i> , 2011 , 23, 1478-1487	3	58
463	Quantitative study of the effect of coverage on the hybridization efficiency of surface-bound DNA nanostructures. <i>Nano Letters</i> , 2008 , 8, 4134-9	11.5	58
462	Cerium(IV) oxide decorated on reduced graphene oxide, a selective and sensitive electrochemical sensor for fenitrothion determination. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 980-987	8.5	56
461	A voltammetric sensor for the simultaneous determination of L-cysteine and tryptophan using a p-aminophenol-multiwall carbon nanotube paste electrode. <i>Analytical Sciences</i> , 2011 , 27, 409	1.7	56
460	Voltammetric determination of isoproterenol using multiwall carbon nanotubes-ionic liquid paste electrode. <i>Drug Testing and Analysis</i> , 2011 , 3, 325-30	3.5	56
459	An electrochemical biosensor based on nanoporous stainless steel modified by gold and palladium nanoparticles for simultaneous determination of levodopa and uric acid. <i>Talanta</i> , 2016 , 158, 42-50	6.2	56
458	A novel sensitive DNA-biosensor for detection of a carcinogen, Sudan II, using electrochemically treated pencil graphite electrode by voltammetric methods. <i>Talanta</i> , 2012 , 88, 244-51	6.2	55
457	Development of a mercury optical sensor based on immobilization of 4-(2-pyridylazo)-resorcinol on a triacetylcellulose membrane. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 88-93	8.5	55
456	Simultaneous voltammetric determination of molybdenum and copper by adsorption cathodic differential pulse stripping method using a principal component artificial neural network. <i>Talanta</i> , 2002 , 57, 785-93	6.2	54
455	Lead selective membrane electrode using cryptand(222) neutral carrier. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 364, 690-693		54
454	Simultaneous determination of guanine and adenine in DNA based on NiFe ₂ O ₄ magnetic nanoparticles decorated MWCNTs as a novel electrochemical sensor using adsorptive stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 634-642	8.5	53
453	An ancient plant for the synthesis of a novel carbon dot and its applications as an antibacterial agent and probe for sensing of an anti-cancer drug. <i>Materials Science and Engineering C</i> , 2019 , 98, 826-833	8.3	53
452	Characterization of MgFe ₂ O ₄ nanoparticles as a novel electrochemical sensor: application for the voltammetric determination of ciprofloxacin. <i>Analytical Sciences</i> , 2012 , 28, 705-10	1.7	52
451	Different interaction of codeine and morphine with DNA: a concept for simultaneous determination. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 627-33	11.8	52
450	Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples. <i>Analytica Chimica Acta</i> , 2001 , 442, 319-326	6.6	52
449	Fabricated of bimetallic Pd/Pt nanostructure deposited on copper nanofoam substrate by galvanic replacement as an effective electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6754-6762	6.7	51
448	Hydrogen storage in hybrid of layered double hydroxides/reduced graphene oxide using spillover mechanism. <i>Energy</i> , 2016 , 99, 103-114	7.9	51
447	A new strategy for the synthesis of 3-D Pt nanoparticles on reduced graphene oxide through surface functionalization, Application for methanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , 2014 , 130, 397-405	6.7	51

446	Green synthesized carbon dots embedded in silica molecularly imprinted polymers, characterization and application as a rapid and selective fluorimetric sensor for determination of thiabendazole in juices. <i>Food Chemistry</i> , 2020 , 310, 125812	8.5	51
445	Ferrocenedicarboxylic acid modified carbon paste electrode: a sensor for electrocatalytic determination of hydrochlorothiazide. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 880-887	1.5	50
444	Wavelet neural network modeling in QSPR for prediction of solubility of 25 anthraquinone dyes at different temperatures and pressures in supercritical carbon dioxide. <i>Journal of Molecular Graphics and Modelling</i> , 2006 , 25, 46-54	2.8	48
443	Application of adsorptive cathodic differential pulse stripping method for simultaneous determination of copper and molybdenum using pyrogallol red. <i>Analytica Chimica Acta</i> , 2004 , 505, 201-207	6.6	48
442	Highly selective lead(II) coated-wire electrode based on a new Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2003 , 96, 441-445	8.5	48
441	Optical pH Sensor Based On Chemical Modification of Polymer Film. <i>Microchemical Journal</i> , 1999 , 63, 381-388	4.8	48
440	Biosensor based on ds-DNA decorated chitosan modified multiwall carbon nanotubes for voltammetric biodetection of herbicide amitrole. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 45-51	6	47
439	Determination of tryptophan and histidine by adsorptive cathodic stripping voltammetry using H-point standard addition method. <i>Analytica Chimica Acta</i> , 2006 , 580, 236-43	6.6	47
438	On-line preconcentration system for lead(II) determination in waste water by atomic absorption spectrometry using active carbon loaded with Pyrogallol Red. <i>Analytical Sciences</i> , 2003 , 19, 953-6	1.7	47
437	A highly selective optical sensor for catalytic determination of ultra-trace amounts of nitrite in water and foods based on brilliant cresyl blue as a sensing reagent. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 61-66	8.5	46
436	Selective thiocyanate poly(vinyl chloride) membrane based on a 1,8-dibenzyl-1,3,6,8,10,13-hexaazacyclotetradecaneNi(II) perchlorate. <i>Analytica Chimica Acta</i> , 2002 , 462, 25-30	6.6	46
435	Cobalt ferrite nanoparticles decorated on exfoliated graphene oxide, application for amperometric determination of NADH and H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2016 , 60, 276-284	8.3	45
434	Graphene nanosheets functionalized with Nile blue as a stable support for the oxidation of glucose and reduction of oxygen based on redox replacement of Pd-nanoparticles via nickel oxide. <i>Electrochimica Acta</i> , 2015 , 173, 619-629	6.7	45
433	Molecularly imprinted-multiwall carbon nanotube paste electrode as a biosensor for voltammetric detection of rutin. <i>Analytical Methods</i> , 2011 , 3, 2510	3.2	45
432	An ionic liquid-type multiwall carbon nanotubes paste electrode for electrochemical investigation and determination of morphine. <i>Ionics</i> , 2011 , 17, 659-668	2.7	45
431	Simultaneous spectrophotometric determinations of cobalt, nickel and copper using partial least squares based on singular value decomposition. <i>Talanta</i> , 1999 , 49, 587-96	6.2	45
430	Development of a selective prilocaine optical sensor based on molecularly imprinted shell on CdTe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 835-841	8.5	44
429	Simultaneous determination of morphine and codeine using Pt nanoparticles supported on porous silicon flour modified ionic liquid carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2015 , 219, 1-9	8.5	44

428	Simultaneous determination of ascorbic acid, epinephrine, and uric acid by differential pulse voltammetry using poly(3,3'-bis[N,N-bis(carboxymethyl)aminomethyl]-o-cresolsulfonephthalein) modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 321-329	8.5	44
427	Simultaneous determination of nitrite and nitrate in various samples using flow injection with spectrophotometric detection. <i>Analytica Chimica Acta</i> , 1999 , 382, 15-21	6.6	44
426	A simple and rapid label-free fluorimetric biosensor for protamine detection based on glutathione-capped CdTe quantum dots aggregation. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 243-248	11.8	43
425	NiFe ₂ O ₄ nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. <i>Analytical Methods</i> , 2014 , 6, 6885-6892	3.2	43
424	Simultaneous voltammetric determination of enrofloxacin and ciprofloxacin in urine and plasma using multiwall carbon nanotubes modified glassy carbon electrode by least-squares support vector machines. <i>Analytical Sciences</i> , 2010 , 26, 803-8	1.7	43
423	Simultaneous determination of trace amounts of cadmium, nickel and cobalt in water samples by adsorptive voltammetry using ammonium 2-amino-cyclopentene dithiocarboxylate as a chelating agent. <i>Talanta</i> , 2000 , 52, 435-40	6.2	43
422	Electrochemical preparation and characterization of a polypyrrole/nickel-cobalt hexacyanoferrate nanocomposite for supercapacitor applications. <i>RSC Advances</i> , 2015 , 5, 91448-91456	3.7	42
421	Pyridine-functionalized graphene oxide, an efficient metal free electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016 , 194, 95-103	6.7	42
420	Facile synthesis of Pt-Cu@silicon nanostructure as a new electrocatalyst supported matrix, electrochemical detection of hydrazine and hydrogen peroxide. <i>Electrochimica Acta</i> , 2016 , 190, 199-207	6.7	42
419	Simultaneous detection of folic acid and methotrexate by an optical sensor based on molecularly imprinted polymers on dual-color CdTe quantum dots. <i>Analytica Chimica Acta</i> , 2017 , 996, 64-73	6.6	41
418	Determination of Rutin in Pharmaceutical Compounds and Tea Using Cathodic Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2006 , 18, 579-585	3	41
417	A new electrochemical sensor based on porous silicon supported PtPd nanoalloy for simultaneous determination of adenine and guanine. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 528-535	8.5	40
416	Simultaneous spectrophotometric determination of nitrite and nitrate by flow injection analysis. <i>Analytical Sciences</i> , 2004 , 20, 1749-53	1.7	40
415	Electrochemical sensor based on glassy carbon electrode modified by polymelamine formaldehyde/graphene oxide nanocomposite for ultrasensitive detection of oxycodone. <i>Mikrochimica Acta</i> , 2021 , 188, 1	5.8	40
414	Silver nanoparticles decorated carboxylate functionalized SiO ₂ , New nanocomposites for non-enzymatic detection of glucose and hydrogen peroxide. <i>Electrochimica Acta</i> , 2016 , 214, 208-216	6.7	39
413	Voltammetric behavior of dopamine at a glassy carbon electrode modified with NiFe ₂ O ₄ magnetic nanoparticles decorated with multiwall carbon nanotubes. <i>Materials Science and Engineering C</i> , 2014 , 39, 78-85	8.3	39
412	Determination of isoproterenol and uric acid by voltammetric method using carbon nanotubes paste electrode and p-chloranil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 148-54	6	39
411	Study on the interaction between morin-bi(III) complex and DNA with the use of methylene blue dye as a fluorophor probe. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 266-276	1.5	39

410	Nanohybrid organic/inorganic chitosan/dopamine/TiO ₂ composites with controlled drug-delivery properties. <i>Applied Surface Science</i> , 2015 , 342, 26-33	6.7	38
409	Application of coated green source carbon dots with silica molecularly imprinted polymers as a fluorescence probe for selective and sensitive determination of phenobarbital. <i>Talanta</i> , 2019 , 194, 143-149	6.2	38
408	A novel aptasensor based on 3D-reduced graphene oxide modified gold nanoparticles for determination of arsenite. <i>Biosensors and Bioelectronics</i> , 2018 , 122, 25-31	11.8	38
407	Non-enzymatic glucose electrochemical sensor based on silver nanoparticle decorated organic functionalized multiwall carbon nanotubes. <i>RSC Advances</i> , 2016 , 6, 60926-60932	3.7	37
406	Fabrication of a porous Pd film on nanoporous stainless steel using galvanic replacement as a novel electrocatalyst/electrode design for glycerol oxidation. <i>Electrochimica Acta</i> , 2014 , 136, 89-96	6.7	37
405	Highly selective electrochemical biosensor for the determination of folic acid based on DNA modified-pencil graphite electrode using response surface methodology. <i>Materials Science and Engineering C</i> , 2013 , 33, 1753-8	8.3	37
404	Carbon Paste Electrode Prepared from Chemically Modified Multiwall Carbon Nanotubes for the Voltammetric Determination of Isoprenaline in Pharmaceutical and Urine Samples. <i>Chinese Journal of Catalysis</i> , 2012 , 33, 1919-1926	11.3	37
403	Lead ion-selective electrode prepared by sol-gel and PVC membrane techniques. <i>Sensors and Actuators B: Chemical</i> , 2005 , 107, 438-445	8.5	37
402	Characterization of carbon nanotubes decorated with NiFe ₂ O ₄ magnetic nanoparticles as a novel electrochemical sensor: application for highly selective determination of sotalol using voltammetry. <i>Materials Science and Engineering C</i> , 2013 , 33, 202-8	8.3	36
401	Solubility prediction of 21 azo dyes in supercritical carbon dioxide using wavelet neural network. <i>Dyes and Pigments</i> , 2007 , 73, 230-238	4.6	36
400	Polyoxometalate-decorated graphene nanosheets and carbon nanotubes, powerful electrocatalysts for hydrogen evolution reaction. <i>Carbon</i> , 2016 , 99, 398-406	10.4	35
399	Selective determination of sucrose based on electropolymerized molecularly imprinted polymer modified multiwall carbon nanotubes/glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2013 , 33, 3553-61	8.3	35
398	An impedimetric aptasensor for <i>Shigella dysenteriae</i> using a gold nanoparticle-modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2018 , 185, 538	5.8	35
397	Fluorometric label-free aptasensor for detection of the pesticide acetamiprid by using cationic carbon dots prepared with cetrimonium bromide. <i>Mikrochimica Acta</i> , 2019 , 186, 273	5.8	34
396	Electrochemical preparation of CuBi ₂ O ₄ nanoparticles on nanoporous stainless steel as a binder-free supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2015 , 652, 39-47	5.7	34
395	A sensitive and selective bulk optode for determination of Hg(II) based on hexathiacyclooctadecane and chromoionophore V. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 326-331	8.5	34
394	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. <i>Mikrochimica Acta</i> , 2018 , 185, 265	5.8	33
393	Modified Au nanoparticles-imprinted sol-gel, multiwall carbon nanotubes pencil graphite electrode used as a sensor for ranitidine determination. <i>Materials Science and Engineering C</i> , 2014 , 37, 113-9	8.3	33

392	Detection of DNA damage induced by chromium/glutathione/H ₂ O ₂ system at MWCNTs/poly(diallyldimethylammonium chloride) modified pencil graphite electrode using methylene blue as an electroactive probe. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 862-870	8.5	33
391	Simultaneous determination of cysteamine and folic acid in pharmaceutical and biological samples using modified multiwall carbon nanotube paste electrode. <i>Chinese Chemical Letters</i> , 2012 , 23, 237-240	8.1	33
390	Determination of traces molybdenum by catalytic adsorptive stripping voltammetry. <i>Talanta</i> , 2005 , 65, 781-8	6.2	33
389	N-hexyl-3-methylimidazolium hexafluoro phosphate/multiwall carbon nanotubes paste electrode as a biosensor for voltammetric detection of morphine. <i>Journal of Molecular Liquids</i> , 2012 , 174, 42-47	6	32
388	Determination of 6-mercaptopurine in the presence of uric acid using modified multiwall carbon nanotubes-TiO ₂ as a voltammetric sensor. <i>Drug Testing and Analysis</i> , 2012 , 4, 970-7	3.5	32
387	Nanostructure polyoxometalates containing Co, Ni, and Cu as powerful and stable catalysts for hydrogen evolution reaction in acidic and alkaline solutions. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5026-5034	6.7	31
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380	A novel sensitive doxorubicin impedimetric immunosensor based on a specific monoclonal antibody-gold nanoparticle-sol-gel modified electrode. <i>Talanta</i> , 2014 , 119, 164-9	6.2	30
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369	Sensing of l-cysteine at glassy carbon electrode using Nile blue A as a mediator. <i>Sensors and Actuators B: Chemical</i> , 2007 , 122, 282-288	8.5	29
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367	Simultaneous determination of nitrite and nitrate in various samples using flow-injection spectrophotometric detection. <i>Microchemical Journal</i> , 2001 , 69, 61-68	4.8	29
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300	Flow injection spectrophotometric determination of ultra trace amounts of oxalic acid. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 367, 590-2		20
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