Behzad Rezaei

List of Publications by Citations

418 papers	8,213 citations	45 h-index	59 g-index
428 ext. papers	9,410 ext. citations	5 avg, IF	7.04 L-index

#	Paper	IF	Citations
418	Voltammetric behavior of multi-walled carbon nanotubes modified electrode-hexacyanoferrate(II) electrocatalyst system as a sensor for determination of captopril. *Sensors and Actuators B: Chemical* , **2008**, 134, 324-331	8.5	158
417	Highly sensitive voltammetric sensor based on catechol-derivative-multiwall carbon nanotubes for the catalytic determination of captopril in patient human urine samples. *Colloids and Surfaces B: Biointerfaces*, **2011**, 87, 480-8	6	106
416	Electrochemical determination of hydrogen peroxide using copper/porous silicon based non-enzymatic sensor. *Sensors and Actuators B: Chemical*, **2014**, 196, 398-405	8.5	94
415	Engineering onion-like nanoporous CuCo2O4 hollow spheres derived from bimetallic organic frameworks for high-performance asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 10497-10506	13	89
414	A new non-enzymatic glucose sensor based on copper/porous silicon nanocomposite. *Electrochimica Acta*, **2014**, 123, 219-226	6.7	89
413	Caffeine electrochemical sensor using imprinted film as recognition element based on polypyrrole, sol-gel, and gold nanoparticles hybrid nanocomposite modified pencil graphite electrode. *Biosensors and Bioelectronics*, **2014**, 60, 77-83	11.8	79
412	Electrochemical sensor based on porous silicon/silver nanocomposite for the determination of hydrogen peroxide. *Sensors and Actuators B: Chemical*, **2016**, 231, 239-244	8.5	78
411	Metronidazole determination with an extremely sensitive and selective electrochemical sensor based on graphene nanoplatelets and molecularly imprinted polymers on graphene quantum dots. *Sensors and Actuators B: Chemical*, **2018**, 270, 192-199	8.5	78
410	A new method based on electrospray ionisation ion mobility spectrometry (ESI-IMS) for simultaneous determination of caffeine and theophylline. *Food Chemistry*, **2011**, 126, 1964-70	8.5	78
409	Flow injection determination of hydrazine with fluorimetric detection. *Talanta*, **1998**, 47, 645-9	6.2	78
408	Methanol electro-oxidation on Pt/C modified by polyaniline nanofibers for DMFC applications. *International Journal of Hydrogen Energy*, **2010**, 35, 9298-9305	6.7	77
407	A novel enzyme-free amperometric sensor for hydrogen peroxide based on Nafion/exfoliated graphene oxide-Co3O4 nanocomposite. *Talanta*, **2013**, 103, 322-9	6.2	73
406	Fabrication of DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer electrochemical sensor for the determination of dopamine. *Biosensors and Bioelectronics*, **2015**, 66, 490-6	11.8	72
405	Synthesis of molecularly imprinted polymer on carbon quantum dots as an optical sensor for selective fluorescent determination of promethazine hydrochloride. *Sensors and Actuators B: Chemical*, **2018**, 257, 889-896	8.5	71
404	A novel electrochemical nanocomposite imprinted sensor for the determination of lorazepam based on modified polypyrrole@sol-gel@gold nanoparticles/pencil graphite electrode. *Electrochimica Acta*, **2014**, 123, 332-339	6.7	70
403	An electrochemical sensor based on multiwall carbon nanotubes and molecular imprinting strategy for warfarin recognition and determination. *Sensors and Actuators B: Chemical*, **2014**, 196, 539-545	8.5	70
402	A new electrochemical sensor for the simultaneous determination of acetaminophen and codeine based on porous silicon/palladium nanostructure. *Talanta*, **2015**, 134, 745-753	6.2	64

401	Ion mobility spectrometry as a detector for molecular imprinted polymer separation and metronidazole determination in pharmaceutical and human serum samples. *Analytical Chemistry*, **2009**, 81, 3585-91	7.8	64
400	A simple and sensitive fluorimetric aptasensor for the ultrasensitive detection of arsenic(III) based on cysteamine stabilized CdTe/ZnS quantum dots aggregation. *Biosensors and Bioelectronics*, **2016**, 77, 499-504	11.8	62
399	An ultrasensitive and selective electrochemical aptasensor based on rGO-MWCNTs/Chitosan/carbon quantum dot for the detection of lysozyme. *Biosensors and Bioelectronics*, **2018**, 115, 37-44	11.8	62
398	A novel one-step and green synthesis of highly fluorescent carbon dots from saffron for cell imaging and sensing of prilocaine. *Sensors and Actuators B: Chemical*, **2017**, 253, 451-460	8.5	62
397	p-Aminophenol-multiwall carbon nanotubes-TiO2 electrode as a sensor for simultaneous determination of penicillamine and uric acid. *Colloids and Surfaces B: Biointerfaces*, **2010**, 81, 42-9	6	62
396	Nickel nanoparticles supported on porous silicon flour, application as a non-enzymatic electrochemical glucose sensor. *Sensors and Actuators B: Chemical*, **2017**, 239, 807-815	8.5	61
395	Application of ionic liquid-TiO2 nanoparticle modified carbon paste electrode for the voltammetric determination of benserazide in biological samples. *Materials Science and Engineering C*, **2013**, 33, 831-5	8.3	60
394	Cerium(IV) oxide decorated on reduced graphene oxide, a selective and sensitive electrochemical sensor for fenitrothion determination. *Sensors and Actuators B: Chemical*, **2017**, 245, 980-987	8.5	56
393	Modified glassy carbon electrode with multiwall carbon nanotubes as a voltammetric sensor for determination of noscapine in biological and pharmaceutical samples. *Sensors and Actuators B: Chemical*, **2008**, 134, 292-299	8.5	56
392	An electrochemical biosensor based on nanoporous stainless steel modified by gold and palladium nanoparticles for simultaneous determination of levodopa and uric acid. *Talanta*, **2016**, 158, 42-50	6.2	56
391	A novel sensitive DNA-biosensor for detection of a carcinogen, Sudan II, using electrochemically treated pencil graphite electrode by voltammetric methods. *Talanta*, **2012**, 88, 244-51	6.2	55
390	Magnetic properties of an iron ore sample after microwave heating. *Separation and Purification Technology*, **2011**, 76, 331-336	8.3	54
389	Simultaneous determination of guanine and adenine in DNA based on NiFe2O4 magnetic nanoparticles decorated MWCNTs as a novel electrochemical sensor using adsorptive stripping voltammetry. *Sensors and Actuators B: Chemical*, **2013**, 177, 634-642	8.5	53
388	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. *Materials Science and Engineering C*, **2019**, 98, 826-833	8.3	53
387	Different interaction of codeine and morphine with DNA: a concept for simultaneous determination. *Biosensors and Bioelectronics*, **2013**, 41, 627-33	11.8	52
386	Multiwalled Carbon Nanotubes Modified Electrode as a Sensor for Adsorptive Stripping Voltammetric Determination of Hydrochlorothiazide. *IEEE Sensors Journal*, **2008**, 8, 1523-1529	4	52
385	Fabricated of bimetallic Pd/Pt nanostructure deposited on copper nanofoam substrate by galvanic replacement as an effective electrocatalyst for hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2015**, 40, 6754-6762	6.7	51
384	Hydrogen storage in hybrid of layered double hydroxides/reduced graphene oxide using spillover mechanism. *Energy*, **2016**, 99, 103-114	7.9	51

383	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. *Electrochimica Acta*, **2014**, 130, 397-405	6.7	51
382	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. *Food Chemistry*, **2020**, 310, 125812	8.5	51
381	Application of amine-functionalized MCM-41 as pH-sensitive nano container for controlled release of 2-mercaptobenzoxazole corrosion inhibitor. *Chemical Engineering Journal*, **2016**, 306, 849-857	14.7	51
380	A simple and rapid flow injection chemiluminescence determination of cysteine with Ru(phen)3(2+)-Ce(IV) system. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 66, 359-63	4.4	49
379	Voltammetric determination of 6-mercaptopurine using a multiwall carbon nanotubes paste electrode in the presence of isoprenaline as a mediator. *Journal of Molecular Liquids*, **2013**, 177, 182-189	6	47
378	Biosensor based on ds-DNA decorated chitosan modified multiwall carbon nanotubes for voltammetric biodetection of herbicide amitrole. *Colloids and Surfaces B: Biointerfaces*, **2013**, 109, 45-51	6	47
377	High selective SiO2-Al2O3 mixed-oxide modified carbon paste electrode for anodic stripping voltammetric determination of Pb(II). *Talanta*, **2007**, 73, 37-45	6.2	47
376	Immobilization of specific monoclonal antibody on Au nanoparticles for hGH detection by electrochemical impedance spectroscopy. *Biosensors and Bioelectronics*, **2009**, 25, 395-9	11.8	46
375	Cobalt ferrite nanoparticles decorated on exfoliated graphene oxide, application for amperometric determination of NADH and H2O2. *Materials Science and Engineering C*, **2016**, 60, 276-284	8.3	45
374	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. *Electrochimica Acta*, **2015**, 173, 619-629	6.7	45
373	Molecularly imprinted-multiwall carbon nanotube paste electrode as a biosensor for voltammetric detection of rutin. *Analytical Methods*, **2011**, 3, 2510	3.2	45
372	An ionic liquid-type multiwall carbon nanotubes paste electrode for electrochemical investigation and determination of morphine. *Ionics*, **2011**, 17, 659-668	2.7	45
371	Electrochemical impedimetric immunosensor for insulin like growth factor-1 using specific monoclonal antibody-nanogold modified electrode. *Biosensors and Bioelectronics*, **2011**, 26, 2130-4	11.8	45
370	Electrochemistry and Adsorptive Stripping Voltammetric Determination of Amoxicillin on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. *Electroanalysis*, **2009**, 21, 1577-1586	3	45
369	Fabrication of a nanostructure thin film on the gold electrode using continuous pulsed-potential technique and its application for the electrocatalytic determination of metronidazole. *Electrochimica Acta*, **2010**, 55, 1801-1808	6.7	45
368	Development of a selective prilocaine optical sensor based on molecularly imprinted shell on CdTe quantum dots. *Sensors and Actuators B: Chemical*, **2017**, 242, 835-841	8.5	44
367	Simultaneous determination of morphine and codeine using Pt nanoparticles supported on porous silicon flour modified ionic liquid carbon paste electrode. *Sensors and Actuators B: Chemical*, **2015**, 219, 1-9	8.5	44
366	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. *Sensors and Actuators B: Chemical*, **2010**, 150, 321-329	8.5	44

365	A simple and rapid label-free fluorimetric biosensor for protamine detection based on glutathione-capped CdTe quantum dots aggregation. *Biosensors and Bioelectronics*, **2015**, 71, 243-248	11.8	43
364	NiFe2O4 nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. *Analytical Methods*, **2014**, 6, 6885-6892	3.2	43
363	Polypyrrole/sol-gel composite as a solid-phase microextraction fiber coating for the determination of organophosphorus pesticides in water and vegetable samples. *Journal of Chromatography A*, **2013**, 1279, 20-6	4.5	43
362	Electrochemical preparation and characterization of a polypyrrole/nickel-cobalt hexacyanoferrate nanocomposite for supercapacitor applications. *RSC Advances*, **2015**, 5, 91448-91456	3.7	42
361	Pyridine-functionalized graphene oxide, an efficient metal free electrocatalyst for oxygen reduction reaction. *Electrochimica Acta*, **2016**, 194, 95-103	6.7	42
360	Facile synthesis of Pt-Cu@silicon nanostructure as a new electrocatalyst supported matrix, electrochemical detection of hydrazine and hydrogen peroxide. *Electrochimica Acta*, **2016**, 190, 199-207	6.7	42
359	Electrodeposited silver nanodendrites electrode with strongly enhanced electrocatalytic activity. *Talanta*, **2010**, 83, 197-204	6.2	42
358	Simultaneous detection of folic acid and methotrexate by an optical sensor based on molecularly imprinted polymers on dual-color CdTe quantum dots. *Analytica Chimica Acta*, **2017**, 996, 64-73	6.6	41
357	A new electrochemical sensor based on porous silicon supported PtPd nanoalloy for simultaneous determination of adenine and guanine. *Sensors and Actuators B: Chemical*, **2014**, 204, 528-535	8.5	40
356	Application of ionic liquids as an electrolyte additive on the electrochemical behavior of lead acid battery. *Journal of Power Sources*, **2009**, 187, 605-612	8.9	40
355	Simultaneous spectrophotometric determination of nitrite and nitrate by flow injection analysis. *Analytical Sciences*, **2004**, 20, 1749-53	1.7	40
354	Electrochemical sensor based on glassy carbon electrode modified by polymelamine formaldehyde/graphene oxide nanocomposite for ultrasensitive detection of oxycodone. *Mikrochimica Acta*, **2021**, 188, 1	5.8	40
353	Silver nanoparticles decorated carboxylate functionalized SiO2, New nanocomposites for non-enzymatic detection of glucose and hydrogen peroxide. *Electrochimica Acta*, **2016**, 214, 208-216	6.7	39
352	Voltammetric behavior of dopamine at a glassy carbon electrode modified with NiFe(2)O(4) magnetic nanoparticles decorated with multiwall carbon nanotubes. *Materials Science and Engineering C*, **2014**, 39, 78-85	8.3	39
351	Application of coated green source carbon dots with silica molecularly imprinted polymers as a fluorescence probe for selective and sensitive determination of phenobarbital. *Talanta*, **2019**, 194, 143-149	6.2	38
350	A novel aptasensor based on 3D-reduced graphene oxide modified gold nanoparticles for determination of arsenite. *Biosensors and Bioelectronics*, **2018**, 122, 25-31	11.8	38
349	Non-enzymatic glucose electrochemical sensor based on silver nanoparticle decorated organic functionalized multiwall carbon nanotubes. *RSC Advances*, **2016**, 6, 60926-60932	3.7	37
348	Fabrication of a porous Pd film on nanoporous stainless steel using galvanic replacement as a novel electrocatalyst/electrode design for glycerol oxidation. *Electrochimica Acta*, **2014**, 136, 89-96	6.7	37

347	Characterization of carbon nanotubes decorated with NiFe2O4 magnetic nanoparticles as a novel electrochemical sensor: application for highly selective determination of sotalol using voltammetry. *Materials Science and Engineering C*, **2013**, 33, 202-8	8.3	36
346	Polyoxometalate-decorated graphene nanosheets and carbon nanotubes, powerful electrocatalysts for hydrogen evolution reaction. *Carbon*, **2016**, 99, 398-406	10.4	35
345	Fluorometric label-free aptasensor for detection of the pesticide acetamiprid by using cationic carbon dots prepared with cetrimonium bromide. *Mikrochimica Acta*, **2019**, 186, 273	5.8	34
344	Electrochemical preparation of CuBi2O4 nanoparticles on nanoporous stainless steel as a binder-free supercapacitor electrode. *Journal of Alloys and Compounds*, **2015**, 652, 39-47	5.7	34
343	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. *Mikrochimica Acta*, **2018**, 185, 265	5.8	33
342	Modified Au nanoparticles-imprinted sol-gel, multiwall carbon nanotubes pencil graphite electrode used as a sensor for ranitidine determination. *Materials Science and Engineering C*, **2014**, 37, 113-9	8.3	33
341	Detection of DNA damage induced by chromium/glutathione/H2O2 system at MWCNTs poly(diallyldimethylammonium chloride) modified pencil graphite electrode using methylene blue as an electroactive probe. *Sensors and Actuators B: Chemical*, **2013**, 177, 862-870	8.5	33
340	N-hexyl-3-methylimidazolium hexafluoro phosphate/multiwall carbon nanotubes paste electrode as a biosensor for voltammetric detection of morphine. *Journal of Molecular Liquids*, **2012**, 174, 42-47	6	32
339	Nanostructure polyoxometalates containing Co, Ni, and Cu as powerful and stable catalysts for hydrogen evolution reaction in acidic and alkaline solutions. *International Journal of Hydrogen Energy*, **2017**, 42, 5026-5034	6.7	31
338	A new electrochemical sensor for the simultaneous determination of guanine and adenine: using a NiAl-layered double hydroxide/graphene oxide-multi wall carbon nanotube modified glassy carbon electrode. *RSC Advances*, **2015**, 5, 75756-75765	3.7	31
337	Fabrication of electrochemical sensor based on molecularly imprinted polymer and nanoparticles for determination trace amounts of morphine. *Ionics*, **2015**, 21, 2969-2980	2.7	31
336	Co(OH)2 nanoparticles deposited on reduced graphene oxide nanoflake as a suitable electrode material for supercapacitor and oxygen evolution reaction in alkaline media. *International Journal of Hydrogen Energy*, **2017**, 42, 16538-16546	6.7	30
335	Determination of atropine sulfate using a novel sensitive DNA-biosensor based on its interaction on a modified pencil graphite electrode. *Talanta*, **2015**, 131, 149-55	6.2	30
334	A novel sensitive doxorubicin impedimetric immunosensor based on a specific monoclonal antibody-gold nanoaprticle-sol-gel modified electrode. *Talanta*, **2014**, 119, 164-9	6.2	30
333	Selective separation and determination of primidone in pharmaceutical and human serum samples using molecular imprinted polymer-electrospray ionization ion mobility spectrometry (MIP-ESI-IMS). *Talanta*, **2009**, 79, 669-75	6.2	30
332	Development of a voltammetric procedure for assay of thebaine at a multi-walled carbon nanotubes electrode: quantification and electrochemical studies. *Journal of Solid State Electrochemistry*, **2010**, 14, 1079-1088	2.6	30
331	A fast response cadmium-selective polymeric membrane electrode based on N,N′(4-methyl-1,2-phenylene)diquinoline-2-carboxamide as a new neutral carrier. *Journal of Hazardous Materials*, **2008**, 153, 179-86	12.8	30
330	Ni-Co-Se nanoparticles modified reduced graphene oxide nanoflakes, an advance electrocatalyst for highly efficient hydrogen evolution reaction. *Electrochimica Acta*, **2016**, 213, 423-431	6.7	30

329	Selective and sensitive furazolidone biosensor based on DNA-modified TiO 2 -reduced graphene oxide. *Applied Surface Science*, **2015**, 356, 301-307	6.7	29
328	Simultaneous determination of codeine and noscapine by flow-injection chemiluminescence method using N-PLS regression. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 49, 234-9	3.5	29
327	Electronic band structure pseudopotential calculation of wurtzite III-nitride materials. *Physica B: Condensed Matter*, **2006**, 371, 107-111	2.8	29
326	Development of Sudan II sensor based on modified treated pencil graphite electrode with DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer. *Sensors and Actuators B: Chemical*, **2016**, 222, 849-856	8.5	28
325	Development of a nano plastic antibody for determination of propranolol using CdTe quantum dots. *Sensors and Actuators B: Chemical*, **2017**, 252, 846-853	8.5	28
324	The impressive effect of eco-friendly carbon dots on improving the performance of dye-sensitized solar cells. *Solar Energy*, **2019**, 182, 412-419	6.8	28
323	DNA-based biosensor for comparative study of catalytic effect of transition metals on autoxidation of sulfite. *Analytical Chemistry*, **2013**, 85, 991-7	7.8	28
322	Achieving to some outranking relationships between post mining land uses through mined land suitability analysis. *International Journal of Environmental Science and Technology*, **2008**, 5, 535-546	3.3	28
321	Graphene/nano-porous silicon and graphene/bimetallic silicon nanostructures (Pt-M, M: Pd, Ru, Rh), efficient electrocatalysts for the hydrogen evolution reaction. *Physical Chemistry Chemical Physics*, **2015**, 17, 23770-82	3.6	27
320	Ultrasensitive voltammetric and impedimetric aptasensor for diazinon pesticide detection by VS quantum dots-graphene nanoplatelets/carboxylated multiwalled carbon nanotubes as a new group nanocomposite for signal enrichment. *Analytica Chimica Acta*, **2020**, 1111, 92-102	6.6	27
319	A novel optical sensor based on carbon dots embedded molecularly imprinted silica for selective acetamiprid detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 210, 36-43	4.4	27
318	Facile synthesis of PtPd@Silicon nanostructure as an advanced electrocatalyst for direct methanol fuel cells. *Journal of Power Sources*, **2015**, 282, 452-461	8.9	27
317	Assessment of genotoxicity of catecholics using impedimetric DNA-biosensor. *Biosensors and Bioelectronics*, **2014**, 53, 43-50	11.8	27
316	Nano-level determination of copper with atomic absorption spectrometry after pre-concentration on N,N-(4-methyl-1,2-phenylene)diquinoline-2-carboxamide-naphthalene. *Journal of Hazardous Materials*, **2009**, 168, 787-92	12.8	27
315	Aptamer@Au-o-phenylenediamine modified pencil graphite electrode: A new selective electrochemical impedance biosensor for the determination of insulin. *Colloids and Surfaces B: Biointerfaces*, **2017**, 159, 47-53	6	26
314	Magnetic solid-phase extraction to preconcentrate ultra trace amounts of lead(II) using modified-carbon nanotubes decorated with NiFe2O4 magnetic nanoparticles. *Analytical Methods*, **2013**, 5, 3903	3.2	26
313	Highly selective and sensitive voltammetric sensor for captopril determination based on modified multiwall carbon nanotubes paste electrode. *Journal of the Brazilian Chemical Society*, **2011**, 22, 1315-1322	1.5	26
312	Facile Synthesis of Yolk-Shelled CuCoSe Microspheres as a Novel Electrode Material for Supercapacitor Application. *ACS Applied Materials & Interfaces*, **2020**, 12, 418-427	9.5	26

311	Ni3S2/ball-milled silicon flour as a bi-functional electrocatalyst for hydrogen and oxygen evolution reactions. *Energy*, **2016**, 116, 392-401	7.9	26
310	Pt-modified nitrogen doped reduced graphene oxide: A powerful electrocatalyst for direct CO2 reduction to methanol. *Journal of Electroanalytical Chemistry*, **2016**, 783, 82-89	4.1	25
309	Development of a voltammetric procedure based on DNA interaction for sensitive monitoring of chrysoidine, a banned dye, in foods and textile effluents. *Sensors and Actuators B: Chemical*, **2014**, 202, 224-231	8.5	25
308	A sensitive and selective voltammetric sensor based on multiwall carbon nanotubes decorated with MgCr□□ for the determination of azithromycin. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 468-74	6	25
307	Nanolayer treatment to realize suitable configuration for electrochemical allopurinol sensor based on molecular imprinting recognition sites on multiwall carbon nanotube surface. *Sensors and Actuators B: Chemical*, **2011**, 160, 99-104	8.5	25
306	Zirconium dioxide-reduced graphene oxide nanocomposite-coated stir-bar sorptive extraction coupled with ion mobility spectrometry for determining ethion. *Talanta*, **2018**, 182, 285-291	6.2	24
305	Square wave voltammetric determination of Dexamethasone on a multiwalled carbon nanotube modified pencil electrode. *Journal of the Brazilian Chemical Society*, **2011**, 22, 897-904	1.5	24
304	Modified Glassy Carbon Electrode with Multiwall Carbon Nanotubes as a Voltammetric Sensor for Determination of Leucine in Biological and Pharmaceutical Samples. *Analytical Letters*, **2008**, 41, 2267-2286	2.2	24
303	Effect of solidification temperature of lead alloy grids on the electrochemical behavior of lead-acid battery. *Journal of Solid State Electrochemistry*, **2005**, 9, 590-594	2.6	24
302	Pd@CeO2-SnO2 nanocomposite, a highly selective and sensitive hydrogen peroxide electrochemical sensor. *Sensors and Actuators B: Chemical*, **2019**, 296, 126683	8.5	23
301	Fabrication of a highly sensitive and selective modified electrode for imidacloprid determination based on designed nanocomposite graphene quantum dots/ionic liquid/multiwall carbon nanotubes/polyaniline. *Sensors and Actuators B: Chemical*, **2019**, 296, 126682	8.5	23
300	An optical sensor with specific binding sites for the detection of thioridazine hydrochloride based on ZnO-QDs coated with molecularly imprinted polymer. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 206, 460-465	4.4	23
299	Decoupling of the DGLAP evolution equations at next-to-next-to-leading order (NNLO) at low-x. *European Physical Journal C*, **2013**, 73, 1	4.2	23
298	Adsorptive stripping voltammetry determination of methyldopa on the surface of a carboxylated multiwall carbon nanotubes modified glassy carbon electrode in biological and pharmaceutical samples. *Colloids and Surfaces B: Biointerfaces*, **2013**, 109, 253-8	6	23
297	Solid-phase molecularly imprinted pre-concentration and spectrophotometric determination of isoxicam in pharmaceuticals and human serum. *Talanta*, **2009**, 78, 418-23	6.2	23
296	Generation of a doxorubicin immunosensor based on a specific monoclonal antibody-nanogold-modified electrode. *Electrochimica Acta*, **2011**, 56, 5702-5706	6.7	23
295	Fast response and selective perchlorate polymeric membrane electrode based on bis(dibenzoylmethanato) nickel(II) complex as a neutral carrier. *Sensors and Actuators B: Chemical*, **2007**, 121, 600-605	8.5	23
294	Highly efficient electrocatalytic oxidation of glycerol by Pt-Pd/Cu trimetallic nanostructure electrocatalyst supported on nanoporous stainless steel electrode using galvanic replacement. *Electrochimica Acta*, **2016**, 203, 41-50	6.7	23

293	Development of an eco-friendly fluorescence nanosensor based on molecularly imprinted polymer on silica-carbon quantum dot for the rapid indoxacarb detection. *Food Chemistry*, **2021**, 339, 127920	8.5	23
292	A fluorometric aptasensor for methamphetamine based on fluorescence resonance energy transfer using cobalt oxyhydroxide nanosheets and carbon dots. *Mikrochimica Acta*, **2018**, 185, 303	5.8	23
291	CoFe2O4/reduced graphene oxide/ionic liquid modified glassy carbon electrode, a selective and sensitive electrochemical sensor for determination of methotrexate. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 78, 45-50	5.3	22
290	Lysozyme aptasensor based on a glassy carbon electrode modified with a nanocomposite consisting of multi-walled carbon nanotubes, poly(diallyl dimethyl ammonium chloride) and carbon quantum dots. *Mikrochimica Acta*, **2018**, 185, 180	5.8	22
289	Sensing Lorazepam with a glassy carbon electrode coated with an electropolymerized-imprinted polymer modified with multiwalled carbon nanotubes and gold nanoparticles. *Mikrochimica Acta*, **2013**, 180, 33-39	5.8	22
288	Direct nanolayer preparation of molecularly imprinted polymers immobilized on multiwalled carbon nanotubes as a surface-recognition sites and their characterization. *Journal of Applied Polymer Science*, **2012**, 125, 798-803	2.9	22
287	Using of multi-walled carbon nanotubes electrode for adsorptive stripping voltammetric determination of ultratrace levels of RDX explosive in the environmental samples. *Journal of Hazardous Materials*, **2010**, 183, 138-44	12.8	22
286	The influence of shape and orientation of scatterers on the photonic band gap in 2D metallic photonic crystals. *Optics Communications*, **2010**, 283, 2356-2362	2	22
285	Application of modified mesoporous boehmite (□AlOOH) with green synthesis carbon quantum dots for a fabrication biosensor to determine trace amounts of doxorubicin. *Luminescence*, **2018**, 33, 1377-1386	2.5	22
284	Pt-Pd nanoparticles decorated sulfonated graphene-poly(3,4-ethylene dioxythiophene) nanocomposite, An efficient HER electrocatalyst. *Energy*, **2017**, 126, 88-96	7.9	21
283	Metal (Ni and Bi) coated porous silicon nanostructure, high-performance anode materials for lithium ion batteries with high capacity and stability. *Journal of Alloys and Compounds*, **2017**, 712, 233-240	5.7	21
282	Synthesis of new copper nanoparticle-decorated anchored type ligands: applications as non-enzymatic electrochemical sensors for hydrogen peroxide. *Materials Science and Engineering C*, **2015**, 47, 290-7	8.3	21
281	Silver nanoparticles decorated anchored type ligands as new electrochemical sensors for glucose detection. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 63, 39-45	5.3	21
280	Multiwall carbon nanotubes decorated with FeCr2O4, a new selective electrochemical sensor for amoxicillin determination. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	21
279	Characterization of modified carbon paste electrode by using Salen Schiff base ligand immobilized on SiO2□Al2O3 as a highly sensitive sensor for anodic stripping voltammetric determination of copper(II). *Sensors and Actuators B: Chemical*, **2009**, 139, 494-500	8.5	21
278	Preconcentration of thallium(III) with 2,6-bis(N-phenyl carbamoyl) pyridine on microcrystalline naphthalene prior to its trace determination in human serum spectrophotometrically. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2007**, 67, 92-7	4.4	21
277	Kinetic-spectrophotometric determination of ascorbic acid by inhibition of the hydrochloric acid-bromate reaction. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2002**, 58, 2589-94	4.4	21
276	Bentonite surface modification and characterization for high selective phosphate adsorption from aqueous media and its application for wastewater treatments. *Journal of Water Reuse and Desalination*, **2017**, 7, 175-186	2.6	20

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List of Publications

5	A New Nanocomposite Based on Pt-rGO Embedded Polymelamine Formaldehyde Nanocomposite for Reduction of Carbon Dioxide. *Electroanalysis*, **2021**, 33, 1567-1577	3
4	A Novel Aptasensor Based on the Formation of Intermolecular G Quadruplex DNA and Carbon Dots for Fluorescence Determination Potassium Ions in Human Urine and Blood Serum Samples. *IEEE Sensors Journal*, **2021**, 21, 16443-16450	4
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1	Conventional Technologies and Opto-electronic Devices for Detection of Food Biomarkers **2022**, 169-196	