

Hassan Karimi-Maleh

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365 papers	16,318 citations	69 h-index	114 g-index
393 ext. papers	20,274 ext. citations	5.2 avg, IF	7.72 L-index

#	Paper	IF	Citations
365	Nanomolar and selective determination of epinephrine in the presence of norepinephrine using carbon paste electrode modified with carbon nanotubes and novel 2-(4-oxo-3-phenyl-3,4-dihydro-quinazolinyl)-N'-phenyl-hydrazinecarbothioamide. <i>Analytical Chemistry</i> , 2019 , 91, 2812-2819	7.8	393
364	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
363	Simultaneous determination of cholesterol, ascorbic acid and uric acid as three essential biological compounds at a carbon paste electrode modified with copper oxide decorated reduced graphene oxide nanocomposite and ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 208-212	9.3	269
362	A novel modified carbon paste electrode based on NiO/CNTs nanocomposite and (9, 10-dihydro-9, 10-ethanoanthracene-11, 12-dicarboximido)-4-ethylbenzene-1, 2-diol as a mediator for simultaneous determination of cysteamine, nicotinamide adenine dinucleotide and folic acid. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 270-5	11.8	249
361	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
360	The role of magnetite/graphene oxide nano-composite as a high-efficiency adsorbent for removal of phenazopyridine residues from water samples, an experimental/theoretical investigation. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112040	6	248
359	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
358	3D reduced graphene oxide/FeNi ₃ -ionic liquid nanocomposite modified sensor; an electrical synergic effect for development of tert-butylhydroquinone and folic acid sensor. <i>Composites Part B: Engineering</i> , 2019 , 172, 666-670	10	225
357	Tuning of metal oxides photocatalytic performance using Ag nanoparticles integration. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113588	6	225
356	High sensitive voltammetric sensor based on Pt/CNTs nanocomposite modified ionic liquid carbon paste electrode for determination of Sudan I in food samples. <i>Food Chemistry</i> , 2013 , 141, 4311-7	8.5	225
355	Electrochemical Sensors, a Bright Future in the Fabrication of Portable Kits in Analytical Systems. <i>Chemical Record</i> , 2020 , 20, 682-692	6.6	211
354	A new strategy for determination of bisphenol A in the presence of Sudan I using a ZnO/CNTs/ionic liquid paste electrode in food samples. <i>Food Chemistry</i> , 2014 , 158, 125-31	8.5	201
353	Guanine-Based DNA Biosensor Amplified with Pt/SWCNTs Nanocomposite as Analytical Tool for Nanomolar Determination of Daunorubicin as an Anticancer Drug: A Docking/Experimental Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 816-823	3.9	198
352	Simultaneous determination of 6-mercaptopruine, 6-thioguanine and dasatinib as three important anticancer drugs using nanostructure voltammetric sensor employing Pt/MWCNTs and 1-butyl-3-methylimidazolium hexafluoro phosphate. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 879-884	11.8	194
351	Analysis of glutathione in the presence of acetaminophen and tyrosine via an amplified electrode with MgO/SWCNTs as a sensor in the hemolyzed erythrocyte. <i>Talanta</i> , 2018 , 176, 208-213	6.2	193
350	Ethynylferrocene/NiO/MWCNT nanocomposite modified carbon paste electrode as a novel voltammetric sensor for simultaneous determination of glutathione and acetaminophen. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 70-77	8.5	188
349	An amplified voltammetric sensor based on platinum nanoparticle/polyoxometalate/two-dimensional hexagonal boron nitride nanosheets composite and ionic liquid for determination of N-hydroxysuccinimide in water samples. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113185	6	187

348	Palladium-Nickel nanoparticles decorated on Functionalized-MWCNT for high precision non-enzymatic glucose sensing. <i>Materials Chemistry and Physics</i> , 2020 , 250, 123042	4.4	184
347	A new epirubicin biosensor based on amplifying DNA interactions with polypyrrole and nitrogen-doped reduced graphene: Experimental and docking theoretical investigations. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 568-574	8.5	183
346	The determination of 2-phenylphenol in the presence of 4-chlorophenol using nano-FeO/ionic liquid paste electrode as an electrochemical sensor. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 603-610	9.3	182
345	Simultaneous determination of doxorubicin and dasatinib as two breast anticancer drugs uses an amplified sensor with ionic liquid and ZnO nanoparticle. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 811, 84-88	4.1	180
344	A new nickel-based co-crystal complex electrocatalyst amplified by NiO dope Pt nanostructure hybrid; a highly sensitive approach for determination of cysteamine in the presence of serotonin. <i>Scientific Reports</i> , 2020 , 10, 11699	4.9	178
343	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
342	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113252	11.8	171
341	A novel electrochemical epinine sensor using amplified CuO nanoparticles and a n-hexyl-3-methylimidazolium hexafluorophosphate electrode. <i>New Journal of Chemistry</i> , 2019 , 43, 2362-2367	3.6	169
340	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
339	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell CoO@MOF-74 nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2021 , 592, 174-185	9.3	168
338	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
337	Cyanazine herbicide monitoring as a hazardous substance by a DNA nanostructure biosensor. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127058	12.8	163
336	Voltammetric amplified platform based on ionic liquid/NiO nanocomposite for determination of benzerazide and levodopa. <i>Journal of Molecular Liquids</i> , 2019 , 278, 672-676	6	157
335	Highly sensitive square wave voltammetric sensor employing CdO/SWCNTs and room temperature ionic liquid for analysis of vanillin and folic acid in food samples. <i>Journal of Food Composition and Analysis</i> , 2017 , 62, 254-259	4.1	156
334	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. <i>Journal of Cleaner Production</i> , 2021 , 291, 125880	10.3	155
333	A sensitive molecularly imprinted polymer based quartz crystal microbalance nanosensor for selective determination of lovastatin in red yeast rice. <i>Food Chemistry</i> , 2015 , 185, 430-6	8.5	154
332	Sensitive and selective determination of aqueous triclosan based on gold nanoparticles on polyoxometalate/reduced graphene oxide nanohybrid. <i>RSC Advances</i> , 2015 , 5, 65953-65962	3.7	150
331	Application of ZnO/CNTs Nanocomposite Ionic Liquid Paste Electrode as a Sensitive Voltammetric Sensor for Determination of Ascorbic Acid in Food Samples. <i>Food Analytical Methods</i> , 2013 , 6, 1639-1647	3.4	148

330	A Voltammetric Sensor for Simultaneous Determination of Vitamin C and Vitamin B6 in Food Samples Using ZrO ₂ Nanoparticle/Ionic Liquids Carbon Paste Electrode. <i>Food Analytical Methods</i> , 2015 , 8, 549-557	3.4	147
329	Synthesis and application of FePt/CNTs nanocomposite as a sensor and novel amide ligand as a mediator for simultaneous determination of glutathione, nicotinamide adenine dinucleotide and tryptophan. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5888-97	3.6	145
328	A novel nanosensor based on Pt:Co nanoalloy ionic liquid carbon paste electrode for voltammetric determination of vitamin B9 in food samples. <i>LWT - Food Science and Technology</i> , 2014 , 57, 679-685	5.4	138
327	Magnetic iron oxide and iron oxide@gold nanoparticle anchored nitrogen and sulfur-functionalized reduced graphene oxide electrocatalyst for methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 26402-26409	3.7	137
326	CoFe ₂ O ₄ @TiO ₂ decorated reduced graphene oxide nanocomposite for photocatalytic degradation of chlorpyrifos. <i>Journal of Molecular Liquids</i> , 2015 , 208, 122-129	6	136
325	A nanostructure voltammetric platform amplified with ionic liquid for determination of tert-butylhydroxyanisole in the presence kojic acid. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 1781-1787	2.8	130
324	An electrochemical-amplified-platform based on the nanostructure voltammetric sensor for the determination of carmoisine in the presence of tartrazine in dried fruit and soft drink samples. <i>Journal of Food Measurement and Characterization</i> , 2018 , 12, 634-640	2.8	128
323	Recent advances in removal techniques of Cr(VI) toxic ion from aqueous solution: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115062	6	127
322	Facile synthesis of paper based graphene electrodes for point of care devices: A double stranded DNA (dsDNA) biosensor. <i>Journal of Colloid and Interface Science</i> , 2020 , 566, 463-472	9.3	119
321	Electrochemical behaviors and determination of carbidopa on carbon nanotubes ionic liquid paste electrode. <i>Journal of Molecular Liquids</i> , 2012 , 173, 137-143	6	118
320	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , 2021 , 195, 110809	7.9	116
319	Carbon Paste Electrode Incorporating 1-[4-(Ferrocenyl Ethynyl) Phenyl]-1-Ethanone for Electrocatalytic and Voltammetric Determination of Tryptophan. <i>Electroanalysis</i> , 2008 , 20, 1259-1262	3	114
318	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
317	MOF-Mediated Destruction of Cancer Using the Cell's Own Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33599-33608	9.5	107
316	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
315	Electrochemical behavior of morphine at ZnO/CNT nanocomposite room temperature ionic liquid modified carbon paste electrode and its determination in real samples. <i>Journal of Molecular Liquids</i> , 2013 , 181, 8-13	6	102
314	Surface amplification of pencil graphite electrode with polypyrrole and reduced graphene oxide for fabrication of a guanine/adenine DNA based electrochemical biosensors for determination of didanosine anticancer drug. <i>Applied Surface Science</i> , 2018 , 441, 55-60	6.7	91
313	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

312	Formation and stabilization of colloidal ultra-small palladium nanoparticles on diamine-modified Cr-MIL-101: Synergic boost to hydrogen production from formic acid. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 126-135	9.3	88
311	Evaluation of ZnO nanoparticle ionic liquid composite as a voltammetric sensing of isoprenaline in the presence of aspirin for liquid phase determination. <i>Journal of Molecular Liquids</i> , 2015 , 201, 102-107	6	86
310	A green and sensitive guanine-based DNA biosensor for idarubicin anticancer monitoring in biological samples: A simple and fast strategy for control of health quality in chemotherapy procedure confirmed by docking investigation. <i>Chemosphere</i> , 2021 , 132928	8.4	82
309	Liquid phase determination of adrenaline uses a voltammetric sensor employing CuFe ₂ O ₄ nanoparticles and room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 213, 369-373	6	79
308	An Overview on SARS-CoV-2 (COVID-19) and Other Human Coronaviruses and Their Detection Capability via Amplification Assay, Chemical Sensing, Biosensing, Immunosensing, and Clinical Assays. <i>Nano-Micro Letters</i> , 2021 , 13, 18	19.5	79
307	Multi-walled carbon nanotubes decorated with palladium nanoparticles as a novel platform for electrocatalytic sensing applications. <i>RSC Advances</i> , 2014 , 4, 49595-49604	3.7	77
306	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
305	Removal of metal ions using a new magnetic chitosan nano-bio-adsorbent; A powerful approach in water treatment. <i>Environmental Research</i> , 2022 , 203, 111753	7.9	76
304	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
303	Determination of nifedipine using nanostructured electrochemical sensor based on simple synthesis of Ag nanoparticles at the surface of glassy carbon electrode: Application to the analysis of some real samples. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 697, 53-59	4.1	72
302	ZnO/CNTs nanocomposite/ionic liquid carbon paste electrode for determination of noradrenaline in human samples. <i>Electrochimica Acta</i> , 2014 , 123, 456-462	6.7	71
301	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
300	Highly selective and sensitive voltammetric sensor based on modified multiwall carbon nanotube paste electrode for simultaneous determination of ascorbic acid, acetaminophen and tryptophan. <i>Materials Science and Engineering C</i> , 2013 , 33, 811-6	8.3	71
299	Synergic effect of Pt-Co nanoparticles and a dopamine derivative in a nanostructured electrochemical sensor for simultaneous determination of N-acetylcysteine, paracetamol and folic acid. <i>Mikrochimica Acta</i> , 2016 , 183, 2957-2964	5.8	71
298	ZnO nanoparticle-modified ionic liquid-carbon paste electrode for voltammetric determination of folic acid in food and pharmaceutical samples. <i>Ionics</i> , 2014 , 20, 421-429	2.7	70
297	A novel biosensor for liquid phase determination of glutathione and amoxicillin in biological and pharmaceutical samples using a ZnO/CNTs nanocomposite/catechol derivative modified electrode. <i>Journal of Molecular Liquids</i> , 2014 , 196, 258-263	6	70
296	Fabrication of a new electrocatalytic sensor for determination of diclofenac, morphine and mefenamic acid using synergic effect of NiO-SWCNT and 2, 4-dimethyl-N-[1- (2, 3-dihydroxy phenyl) methylidene] aniline. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 228-233	8.5	69
295	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

294	A voltammetric biosensor based on ionic liquid/NiO nanoparticle modified carbon paste electrode for the determination of nicotinamide adenine dinucleotide (NADH). <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 647-654	8.5	68
293	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
292	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
291	A novel voltammetric sensor employing zinc oxide nanoparticles and a new ferrocene-derivative modified carbon paste electrode for determination of captopril in drug samples. <i>Analytical Methods</i> , 2016 , 8, 1780-1788	3.2	66
290	Electrochemical determination of vitamin C in the presence of NADH using a CdO nanoparticle/ionic liquid modified carbon paste electrode as a sensor. <i>Journal of Molecular Liquids</i> , 2016 , 213, 312-316	6	65
289	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
288	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
287	Amplified nanostructure electrochemical sensor for simultaneous determination of captopril, acetaminophen, tyrosine and hydrochlorothiazide. <i>Materials Science and Engineering C</i> , 2017 , 73, 472-477	8.3	63
286	A novel biosensor based on ZnO nanoparticle/1,3-dipropylimidazolium bromide ionic liquid-modified carbon paste electrode for square-wave voltammetric determination of epinephrine. <i>Physics and Chemistry of Liquids</i> , 2013 , 51, 704-714	1.5	63
285	Optimization of an air drying process for Artemisia absinthium leaves using response surface and artificial neural network models. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012 , 43, 29-39	5.3	63
284	Fabrication of a sensor for simultaneous determination of norepinephrine, acetaminophen and tryptophan using a modified carbon nanotube paste electrode. <i>Analytical Methods</i> , 2012 , 4, 259-264	3.2	62
283	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
282	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
281	Ionic liquid/multiwall carbon nanotubes paste electrode for square wave voltammetric determination of methyl dopa. <i>Ionics</i> , 2013 , 19, 1163-1170	2.7	60
280	Application of ionic liquid-TiO ₂ nanoparticle modified carbon paste electrode for the voltammetric determination of benzerazide in biological samples. <i>Materials Science and Engineering C</i> , 2013 , 33, 831-5	8.3	60
279	Multi-wall carbon nanotubes as a sensor and ferrocene dicarboxylic acid as a mediator for voltammetric determination of glutathione in hemolysed erythrocyte. <i>Analytical Methods</i> , 2011 , 3, 2637	3.2	60
278	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
277	Electrocatalytic Determination of 6-Tioguanine at a p-Aminophenol Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2008 , 20, 1973-1979	3	60

276	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
275	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
274	Biodegradable polymers and their nano-composites for the removal of endocrine-disrupting chemicals (EDCs) from wastewater: A review. <i>Environmental Research</i> , 2021 , 202, 111694	7.9	58
273	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
272	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
271	Amplified electrochemical sensor employing CuO/SWCNTs and 1-butyl-3-methylimidazolium hexafluorophosphate for selective analysis of sulfisoxazole in the presence of folic acid. <i>Journal of Colloid and Interface Science</i> , 2017 , 495, 61-67	9.3	55
270	An amplified platform nanostructure sensor for the analysis of epirubicin in the presence of topotecan as two important chemotherapy drugs for breast cancer therapy. <i>New Journal of Chemistry</i> , 2018 , 42, 3828-3832	3.6	55
269	Sensitive and selective determination of phenylhydrazine in the presence of hydrazine at a ferrocene-modified carbon nanotube paste electrode. <i>Environmental Chemistry Letters</i> , 2011 , 9, 375-381 ^{13.3}		55
268	Electrocatalytic oxidation of glutathione at carbon paste electrode modified with 2,7-bis (ferrocenyl ethyl) fluoren-9-one: application as a voltammetric sensor. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1169-1175	2.6	55
267	Determination of captopril in patient human urine using ferrocenemonocarboxylic acid modified carbon nanotubes paste electrode. <i>Chinese Chemical Letters</i> , 2010 , 21, 1467-1470	8.1	55
266	A novel 5-fluorouracil anticancer drug sensor based on ZnFe ₂ O ₄ magnetic nanoparticles ionic liquids carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2016 , 230, 607-614	8.5	54
265	A Novel Strategy for Determination of Paracetamol in the Presence of Morphine Using a Carbon Paste Electrode Modified with CdO Nanoparticles and Ionic Liquids. <i>Electroanalysis</i> , 2016 , 28, 366-371	3	53
264	Integrin Clustering Matters: A Review of Biomaterials Functionalized with Multivalent Integrin-Binding Ligands to Improve Cell Adhesion, Migration, Differentiation, Angiogenesis, and Biomedical Device Integration. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701324	10.1	51
263	Determination of D&C Red 33 and Patent Blue V Azo dyes using an impressive electrochemical sensor based on carbon paste electrode modified with ZIF-8/g-CN/Co and ionic liquid in mouthwash and toothpaste as real samples.. <i>Food and Chemical Toxicology</i> , 2022 , 112907	4.7	51
262	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
261	A nanostructure label-free DNA biosensor for ciprofloxacin analysis as a chemotherapeutic agent: an experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2017 , 41, 4985-4989	3.6	49
260	Heterogeneous UV-Switchable Au nanoparticles decorated tungstophosphoric acid/TiO ₂ for efficient photocatalytic degradation process. <i>Chemosphere</i> , 2021 , 281, 130795	8.4	49
259	Voltammetric determination of 6-mercaptopurine using a multiwall carbon nanotubes paste electrode in the presence of isoprenaline as a mediator. <i>Journal of Molecular Liquids</i> , 2013 , 177, 182-189 ⁶		47

258	Electrochemical behavior of isoproterenol in the presence of uric acid and folic acid at a carbon paste electrode modified with 2,7-bis(ferrocenyl ethyl)fluoren-9-one and carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1701-1707	2.6	47
257	An electrochemical strategy for toxic ractopamine sensing in pork samples; twofold amplified nano-based structure analytical tool. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 4098-4104	2.8	47
256	Voltammetric amplified sensor employing RuO ₂ nano-road and room temperature ionic liquid for amaranth analysis in food samples. <i>Journal of Molecular Liquids</i> , 2017 , 229, 489-494	6	45
255	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
254	Three-dimensional porous reduced graphene oxide decorated with carbon quantum dots and platinum nanoparticles for highly selective determination of azo dye compound tartrazine. <i>Food and Chemical Toxicology</i> , 2021 , 158, 112698	4.7	45
253	Square wave voltammetric determination of diclofenac in liquid phase using a novel ionic liquid multiwall carbon nanotubes paste electrode. <i>Journal of Molecular Liquids</i> , 2014 , 197, 114-119	6	42
252	An Electrochemical Nanosensor for Simultaneous Voltammetric Determination of Ascorbic Acid and Sudan I in Food Samples. <i>Food Analytical Methods</i> , 2014 , 7, 2169-2176	3.4	40
251	Nanomaterials modified electrodes for electrochemical detection of Sudan I in food. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 3837-3852	2.8	40
250	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection.. <i>Food and Chemical Toxicology</i> , 2022 , 112961	4.7	40
249	A sensitive amplified sensor based on improved carbon paste electrode with 1-methyl-3-octylimidazolium tetrafluoroborate and ZnO/CNTs nanocomposite for differential pulse voltammetric analysis of raloxifene. <i>Applied Surface Science</i> , 2017 , 420, 882-885	6.7	39
248	Effects of surface treatment of TiO ₂ nanoparticles on the adhesion and anticorrosion properties of the epoxy coating on mild steel using electrochemical technique. <i>Progress in Organic Coatings</i> , 2018 , 119, 99-108	4.8	39
247	Simultaneous electrochemical determination of levodopa and piroxicam using a glassy carbon electrode modified with a ZnO-Pd/CNT nanocomposite.. <i>RSC Advances</i> , 2018 , 8, 26707-26712	3.7	39
246	A new voltammetric sensor for electrocatalytic determination of vitamin C in fruit juices and fresh vegetable juice using modified multi-wall carbon nanotubes paste electrode. <i>Journal of Food Science and Technology</i> , 2015 , 52, 276-284	3.3	39
245	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
244	A novel electrochemical sensor based on ZnO nanoparticle and ionic liquid binder for square wave voltammetric determination of droxidopa in pharmaceutical and urine samples. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 603-609	8.5	38
243	Preparation of Pd (0) and Pd (II) nanotubes and nanoparticles on modified bentonite and their catalytic activity in oxidation of ethyl benzene to acetophenone. <i>Applied Catalysis A: General</i> , 2010 , 381, 121-131	5.1	38
242	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
241	Congo red dye removal from aqueous environment by cationic surfactant modified-biomass derived carbon: Equilibrium, kinetic, and thermodynamic modeling, and forecasting via artificial neural network approach.. <i>Chemosphere</i> , 2021 , 290, 133346	8.4	37

240	Highly sensitive voltammetric sensor based on NiO nanoparticle room temperature ionic liquid modified carbon paste electrode for levodopa analysis. <i>Journal of Molecular Liquids</i> , 2015 , 208, 78-83	6	36
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