Subbiramaniyan Kubendhiran

List of Publications by Citations

159 papers	6,122 citations	43 h-index	70 g-index
159 ext. papers	7,093 ext. citations	6.4 avg, IF	6.53 L-index

#	Paper	IF	Citations
159	Direct electrochemistry of glucose oxidase at electrochemically reduced graphene oxide-multiwalled carbon nanotubes hybrid material modified electrode for glucose biosensor. *Biosensors and Bioelectronics*, **2013**, 41, 309-15	11.8	300
158	Preparation and characterization of PtAu hybrid film modified electrodes and their use in simultaneous determination of dopamine, ascorbic acid and uric acid. *Talanta*, **2007**, 74, 212-22	6.2	260
157	Highly selective amperometric nitrite sensor based on chemically reduced graphene oxide modified electrode. *Electrochemistry Communications*, **2012**, 17, 75-78	5.1	237
156	Electrocatalysis and simultaneous detection of dopamine and ascorbic acid using poly(3,4-ethylenedioxy)thiophene film modified electrodes. *Journal of Electroanalytical Chemistry*, **2006**, 592, 77-87	4.1	228
155	Honeycomb-like Porous Carbon-Cobalt Oxide Nanocomposite for High-Performance Enzymeless Glucose Sensor and Supercapacitor Applications. *ACS Applied Materials & Interfaces*, **2015**, 7, 15812-20	9.5	180
154	Dopamine sensor based on a glassy carbon electrode modified with a reduced graphene oxide and palladium nanoparticles composite. *Mikrochimica Acta*, **2013**, 180, 1037-1042	5.8	138
153	Eco-friendly synthesis of activated carbon from dead mango leaves for the ultrahigh sensitive detection of toxic heavy metal ions and energy storage applications. *RSC Advances*, **2014**, 4, 1225-1233	3.7	132
152	Direct electrochemistry of myoglobin at reduced graphene oxide-multiwalled carbon nanotubes-platinum nanoparticles nanocomposite and biosensing towards hydrogen peroxide and nitrite. *Biosensors and Bioelectronics*, **2014**, 53, 420-7	11.8	130
151	Solvent-free mechanochemical synthesis of graphene oxide and Fe3O4–reduced graphene oxide nanocomposites for sensitive detection of nitrite. *Journal of Materials Chemistry A*, **2015**, 3, 15529-15539	13	128
150	Enzymatic electrochemical glucose biosensors by mesoporous 1D hydroxyapatite-on-2D reduced graphene oxide. *Journal of Materials Chemistry B*, **2015**, 3, 1360-1370	7.3	110
149	Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. *ACS Applied Materials & Interfaces*, **2016**, 8, 1319-26	9.5	110
148	Nickel Nanoparticle-Decorated Porous Carbons for Highly Active Catalytic Reduction of Organic Dyes and Sensitive Detection of Hg(II) Ions. *ACS Applied Materials & Interfaces*, **2015**, 7, 24810-21	9.5	101
147	Heteroatom-enriched and renewable banana-stem-derived porous carbon for the electrochemical determination of nitrite in various water samples. *Scientific Reports*, **2014**, 4, 4679	4.9	88
146	Palladium nanoparticles modified electrode for the selective detection of catecholamine neurotransmitters in presence of ascorbic acid. *Bioelectrochemistry*, **2009**, 75, 163-9	5.6	87
145	Determination of dopamine using a glassy carbon electrode modified with a graphene and carbon nanotube hybrid decorated with molybdenum disulfide flowers. *Mikrochimica Acta*, **2016**, 183, 2267-2275	5.8	83
144	Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. *Talanta*, **2014**, 120, 148-57	6.2	82
143	Innovative Strategy Based on a Novel Carbon-Black-–Cyclodextrin Nanocomposite for the Simultaneous Determination of the Anticancer Drug Flutamide and the Environmental Pollutant 4-Nitrophenol. *Analytical Chemistry*, **2018**, 90, 6283-6291	7.8	79

142	Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. *Journal of Materials Chemistry A*, **2014**, 2, 16015-16022	13	72
141	Highly stable and sensitive amperometric sensor for the determination of trace level hydrazine at cross linked pectin stabilized gold nanoparticles decorated graphene nanosheets. *Electrochimica Acta*, **2014**, 135, 260-269	6.7	72
140	Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. *RSC Advances*, **2017**, 7, 45668-45675	3.7	68
139	Electrochemically synthesized PtMnO2 composite particles for simultaneous determination of catechol and hydroquinone. *Sensors and Actuators B: Chemical*, **2012**, 169, 235-242	8.5	68
138	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxide–single-walled carbon nanotube composite film. *Sensors and Actuators B: Chemical*, **2012**, 173, 274-280	8.5	67
137	Synthesis and characterization of polypyrrole decorated graphene/cyclodextrin composite for low level electrochemical detection of mercury (II) in water. *Sensors and Actuators B: Chemical*, **2017**, 243, 888-894	8.5	66
136	Environmentally friendly synthesis of CeO nanoparticles for the catalytic oxidation of benzyl alcohol to benzaldehyde and selective detection of nitrite. *Scientific Reports*, **2017**, 7, 46372	4.9	62
135	Palladium nanoparticles decorated on activated fullerene modified screen printed carbon electrode for enhanced electrochemical sensing of dopamine. *Journal of Colloid and Interface Science*, **2015**, 448, 251-6	9.3	62
134	Preparation and characterization of gold nanoparticles decorated on graphene oxide@polydopamine composite: Application for sensitive and low potential detection of catechol. *Sensors and Actuators B: Chemical*, **2016**, 233, 298-306	8.5	62
133	Electrochemical properties of the acetaminophen on the screen printed carbon electrode towards the high performance practical sensor applications. *Journal of Colloid and Interface Science*, **2016**, 483, 109-117	9.3	61
132	Nanomolar electrochemical detection of caffeic acid in fortified wine samples based on gold/palladium nanoparticles decorated graphene flakes. *Journal of Colloid and Interface Science*, **2017**, 501, 77-85	9.3	59
131	Trace level electrochemical determination of the neurotransmitter dopamine in biological samples based on iron oxide nanoparticle decorated graphene sheets. *Inorganic Chemistry Frontiers*, **2018**, 5, 705-718	6.8	55
130	Microwave-assisted synthesis of Bi2WO6 flowers decorated graphene nanoribbon composite for electrocatalytic sensing of hazardous dihydroxybenzene isomers. *Composites Part B: Engineering*, **2018**, 152, 220-230	10	55
129	A novel amperometric nitrite sensor based on screen printed carbon electrode modified with graphite/cyclodextrin composite. *Journal of Electroanalytical Chemistry*, **2016**, 760, 97-104	4.1	54
128	An electrochemical synthesis strategy for composite based ZnO microspheresAu nanoparticles on reduced graphene oxide for the sensitive detection of hydrazine in water samples. *RSC Advances*, **2015**, 5, 54379-54386	3.7	51
127	Preparation of highly stable fullerene C60 decorated graphene oxide nanocomposite and its sensitive electrochemical detection of dopamine in rat brain and pharmaceutical samples. *Journal of Colloid and Interface Science*, **2016**, 462, 375-81	9.3	50
126	One-Pot Green Synthesis of Graphene Nanosheets Encapsulated Gold Nanoparticles for Sensitive and Selective Detection of Dopamine. *Scientific Reports*, **2017**, 7, 41213	4.9	50
125	Determination of oxidative stress biomarker 3-nitro-l-tyrosine using CdWO4 nanodots decorated reduced graphene oxide. *Sensors and Actuators B: Chemical*, **2018**, 272, 274-281	8.5	48

124	Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. *Analyst, The*, **2014**, 139, 4994-5000	5	47
123	Preparation of -cyclodextrin entrapped graphite composite for sensitive detection of dopamine. *Carbohydrate Polymers*, **2016**, 135, 267-73	10.3	46
122	Green reduction of reduced graphene oxide with nickel tetraphenyl porphyrin nanocomposite modified electrode for enhanced electrochemical determination of environmentally pollutant nitrobenzene. *Journal of Colloid and Interface Science*, **2017**, 497, 207-216	9.3	45
121	Hierarchically structured CuFe2O4 ND@RGO composite for the detection of oxidative stress biomarker in biological fluids. *Inorganic Chemistry Frontiers*, **2018**, 5, 944-950	6.8	44
120	Highly sensitive determination of non-steroidal anti-inflammatory drug nimesulide using electrochemically reduced graphene oxide nanoribbons. *RSC Advances*, **2017**, 7, 33043-33051	3.7	44
119	Eco-friendly synthesis of Ag-NPs using Cerasus serrulata plant extract its catalytic, electrochemical reduction of 4-NPh and antibacterial activity. *Journal of Industrial and Engineering Chemistry*, **2016**, 37, 330-339	6.3	44
118	Voltammetric determination of Sudan I in food samples based on platinum nanoparticles decorated on graphene--cyclodextrin modified electrode. *Journal of Electroanalytical Chemistry*, **2017**, 794, 64-70	4.1	43
117	Electrochemical co-preparation of cobalt sulfide/reduced graphene oxide composite for electrocatalytic activity and determination of HO in biological samples. *Journal of Colloid and Interface Science*, **2018**, 509, 153-162	9.3	43
116	Iron nanoparticles decorated graphene-multiwalled carbon nanotubes nanocomposite-modified glassy carbon electrode for the sensitive determination of nitrite. *Journal of Solid State Electrochemistry*, **2014**, 18, 1015-1023	2.6	43
115	Praseodymium Vanadate-Decorated Sulfur-Doped Carbon Nitride Hybrid Nanocomposite: The Role of a Synergistic Electrocatalyst for the Detection of Metronidazole. *ACS Applied Materials & Interfaces*, **2019**, 11, 7893-7905	9.5	42
114	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO2 nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin. *Sensors and Actuators B: Chemical*, **2019**, 281, 602-612	8.5	42
113	Robust and selective electrochemical detection of antibiotic residues: The case of integrated lutetium vanadate/graphene sheets architectures. *Journal of Hazardous Materials*, **2020**, 384, 121304	12.8	42
112	Determination of Neurotransmitter in Biological and Drug Samples Using Gold Nanorods Decoratedf-MWCNTs Modified Electrode. *Journal of the Electrochemical Society*, **2018**, 165, B370-B377	3.9	41
111	Functional porous carbon/nickel oxide nanocomposites as binder-free electrodes for supercapacitors. *Chemistry - A European Journal*, **2015**, 21, 8200-6	4.8	40
110	Rational Design for the Synthesis of Europium Vanadate-Encapsulated Graphene Oxide Nanocomposite: An Excellent and Efficient Catalyst for the Electrochemical Detection of Clioquinol. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4136-4146	8.3	40
109	Highly sensitive fluorogenic sensing of L-Cysteine in live cells using gelatin-stabilized gold nanoparticles decorated graphene nanosheets. *Sensors and Actuators B: Chemical*, **2018**, 259, 339-346	8.5	40
108	Preparation of chitosan grafted graphite composite for sensitive detection of dopamine in biological samples. *Carbohydrate Polymers*, **2016**, 151, 401-407	10.3	39
107	Sonochemical synthesis of bismuth(III) oxide decorated reduced graphene oxide nanocomposite for detection of hormone (epinephrine) in human and rat serum. *Ultrasonics Sonochemistry*, **2019**, 51, 103-110	8.9	37

106	Reduced Graphene Oxide Non-covalent Functionalized with Zinc Tetra Phenyl Porphyrin Nanocomposite for Electrochemical Detection of Dopamine in Human Serum and Rat Brain Samples. *Electroanalysis*, **2016**, 28, 2126-2135	3	36
105	Assessment of divergent functional properties of seed-like strontium molybdate for the photocatalysis and electrocatalysis of the postharvest scald inhibitor diphenylamine. *Journal of Catalysis*, **2017**, 352, 606-616	7.3	36
104	Electrochemical Determination of Caffeic Acid in Wine Samples Using Reduced Graphene Oxide/Polydopamine Composite. *Journal of the Electrochemical Society*, **2016**, 163, B726-B731	3.9	36
103	Facile and novel synthesis of palladium nanoparticles supported on a carbon aerogel for ultrasensitive electrochemical sensing of biomolecules. *Nanoscale*, **2017**, 9, 6486-6496	7.7	35
102	Electrocatalytic reduction of nitroaromatic compounds by activated graphite sheets in the presence of atmospheric oxygen molecules. *Journal of Catalysis*, **2017**, 356, 43-52	7.3	35
101	Microwave-assisted synthesis of europium(III) oxide decorated reduced graphene oxide nanocomposite for detection of chloramphenicol in food samples. *Composites Part B: Engineering*, **2019**, 161, 29-36	10	35
100	Carbon aerogel supported palladium-ruthenium nanoparticles for electrochemical sensing and catalytic reduction of food dye. *Sensors and Actuators B: Chemical*, **2018**, 257, 48-59	8.5	34
99	A novel synthesis of non-aggregated spinel nickel ferrite nanosheets for developing non-enzymatic reactive oxygen species sensor in biological samples. *Journal of Electroanalytical Chemistry*, **2018**, 820, 161-167	4.1	33
98	Electrocatalytic oxidation of dopamine based on non-covalent functionalization of manganese tetraphenylporphyrin/reduced graphene oxide nanocomposite. *Journal of Colloid and Interface Science*, **2016**, 468, 120-127	9.3	33
97	Facile synthesis of MnO/carbon nanotubes decorated with a nanocomposite of Pt nanoparticles as a new platform for the electrochemical detection of catechin in red wine and green tea samples. *Journal of Materials Chemistry B*, **2015**, 3, 6285-6292	7.3	32
96	Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. *Electroanalysis*, **2017**, 29, 1950-1960	3	31
95	Ex-situ decoration of graphene oxide with palladium nanoparticles for the highly sensitive and selective electrochemical determination of chloramphenicol in food and biological samples. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 89, 26-38	5.3	31
94	Preparation and characterization of a novel hybrid hydrogel composite of chitin stabilized graphite: Application for selective and simultaneous electrochemical detection of dihydroxybenzene isomers in water. *Journal of Electroanalytical Chemistry*, **2017**, 785, 40-47	4.1	30
93	Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. *RSC Advances*, **2014**, 4, 55900-55907	3.7	30
92	Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide□polyaniline/activated charcoal composite. *RSC Advances*, **2016**, 6, 100605-100613	3.7	30
91	Rational design and facile synthesis of binary metal sulfides VS-SnS hybrid with functionalized multiwalled carbon nanotube for the selective detection of neurotransmitter dopamine. *Analytica Chimica Acta*, **2019**, 1071, 98-108	6.6	29
90	Highly sensing graphene oxide/poly-arginine-modified electrode for the simultaneous electrochemical determination of buspirone, isoniazid and pyrazinamide drugs. *Ionics*, **2015**, 21, 547-555	2.7	29
89	Synthesis and application of bismuth ferrite nanosheets supported functionalized carbon nanofiber for enhanced electrochemical detection of toxic organic compound in water samples. *Journal of Colloid and Interface Science*, **2018**, 514, 59-69	9.3	29

88	Highly stable biomolecule supported by gold nanoparticles/graphene nanocomposite as a sensing platform for HO biosensor application. *Journal of Materials Chemistry B*, **2016**, 4, 6335-6343	7.3	29
87	Determination of 8-hydroxy-2?-deoxyguanosine oxidative stress biomarker using dysprosium oxide nanoparticles@reduced graphene oxide. *Inorganic Chemistry Frontiers*, **2018**, 5, 2885-2892	6.8	28
86	Hydrothermal synthesis of silver molybdate/reduced graphene oxide hybrid composite: An efficient electrode material for the electrochemical detection of tryptophan in food and biological samples. *Composites Part B: Engineering*, **2019**, 169, 249-257	10	27
85	A cerium vanadate interconnected with a carbon nanofiber heterostructure for electrochemical determination of the prostate cancer drug nilutamide. *Mikrochimica Acta*, **2019**, 186, 579	5.8	27
84	A selective electrochemical sensor for caffeic acid and photocatalyst for metronidazole drug pollutant - A dual role by rod-like SrVO. *Scientific Reports*, **2017**, 7, 7254	4.9	27
83	Synthesis and Characterization of Zirconium Dioxide Anchored Carbon Nanofiber Composite for Enhanced Electrochemical Determination of Chloramphenicol in Food Samples. *Journal of the Electrochemical Society*, **2018**, 165, B281-B288	3.9	26
82	Metallated porphyrin noncovalent interaction with reduced graphene oxide-modified electrode for amperometric detection of environmental pollutant hydrazine. *Applied Organometallic Chemistry*, **2017**, 31, e3703	3.1	25
81	A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. *RSC Advances*, **2014**, 4, 48522-48534	3.7	25
80	A relative study on sonochemically synthesized mesoporous WS nanorods & hydrothermally synthesized WS nanoballs towards electrochemical sensing of psychoactive drug (Clonazepam). *Ultrasonics Sonochemistry*, **2019**, 54, 79-89	8.9	24
79	Hexammine cobalt(III) coordination complex grafted reduced graphene oxide composite for sensitive and selective electrochemical determination of morin in fruit samples. *Inorganic Chemistry Frontiers*, **2018**, 5, 1145-1155	6.8	24
78	Facile synthesis of perovskite-type NdNiO3 nanoparticles for an effective electrochemical non-enzymatic glucose biosensor. *New Journal of Chemistry*, **2017**, 41, 11201-11207	3.6	24
77	Innovation of Novel Stone-Like Perovskite Structured Calcium Stannate (CaSnO3): Synthesis, Characterization, and Application Headed for Sensing Photographic Developing Agent Metol. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4419-4430	8.3	23
76	Eco-Friendly Synthesis of Biocompatible Pectin Stabilized Graphene Nanosheets Hydrogel and Their Application for the Simultaneous Electrochemical Determination of Dopamine and Paracetamol in Real Samples. *Journal of the Electrochemical Society*, **2018**, 165, B240-B249	3.9	23
75	One pot synthesis of CeO2 nanoparticles on a carbon surface for the practical determination of paracetamol content in real samples. *RSC Advances*, **2016**, 6, 104227-104234	3.7	23
74	An electrochemical facile fabrication of platinum nanoparticle decorated reduced graphene oxide; application for enhanced electrochemical sensing of H2O2. *RSC Advances*, **2015**, 5, 105567-105573	3.7	23
73	Highly sensitive electrochemical detection of palmatine using a biocompatible multiwalled carbon nanotube/poly-l-lysine composite. *Journal of Colloid and Interface Science*, **2017**, 498, 144-152	9.3	22
72	Sonochemical synthesis of perovskite-type barium titanate nanoparticles decorated on reduced graphene oxide nanosheets as an effective electrode material for the rapid determination of ractopamine in meat samples. *Ultrasonics Sonochemistry*, **2019**, 56, 318-326	8.9	22
71	Facile one-pot sonochemical synthesis of Ni doped bismuth sulphide for the electrochemical determination of promethazine hydrochloride. *Ultrasonics Sonochemistry*, **2019**, 54, 68-78	8.9	22

70	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. *RSC Advances*, **2014**, 4, 63917-63921	3.7	22
69	Chitosan Stabilized Multi-Walled Carbon Nanotubes for Electrochemical Determination of Dihydroxybenzene Isomers. *Journal of the Electrochemical Society*, **2017**, 164, H958-H966	3.9	22
68	A non-covalent functionalization of copper tetraphenylporphyrin/chemically reduced graphene oxide nanocomposite for the selective determination of dopamine. *Applied Organometallic Chemistry*, **2016**, 30, 40-46	3.1	22
67	Electrochemical fabrication of gold nanoparticles decorated on activated fullerene C60: an enhanced sensing platform for trace level detection of toxic hydrazine in water samples. *RSC Advances*, **2015**, 5, 94591-94598	3.7	21
66	A low temperature synthesis of activated carbon from the bio waste for simultaneous electrochemical determination of hydroquinone and catechol. *Journal of Electroanalytical Chemistry* , **2014**, 727, 84-90	4.1	21
65	Hydrothermal Synthesis of Three Dimensional Graphene-Multiwalled Carbon Nanotube Nanocomposite for Enhanced Electro Catalytic Oxidation of Caffeic Acid. *Electroanalysis*, **2017**, 29, 1103-1112	3	20
64	Facile synthesis of mesoporous WS nanorods decorated N-doped RGO network modified electrode as portable electrochemical sensing platform for sensitive detection of toxic antibiotic in biological and pharmaceutical samples. *Ultrasonics Sonochemistry*, **2019**, 56, 430-436	8.9	20
63	Exploring the promising potential of MoS-RuS binary metal sulphide towards the electrocatalysis of antibiotic drug sulphadiazine. *Analytica Chimica Acta*, **2019**, 1086, 55-65	6.6	20
62	Facile sonochemical synthesis of porous and hierarchical manganese(III) oxide tiny nanostructures for super sensitive electrocatalytic detection of antibiotic (chloramphenicol) in fresh milk. *Ultrasonics Sonochemistry*, **2019**, 58, 104648	8.9	20
61	Highly selective electrochemical detection of antipsychotic drug chlorpromazine in drug and human urine samples based on peas-like strontium molybdate as an electrocatalyst. *Inorganic Chemistry Frontiers*, **2018**, 5, 643-655	6.8	19
60	Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/Au□PP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. *RSC Advances*, **2016**, 6, 56375-56383	3.7	18
59	Sr-Doped NiO3 nanorods synthesized by a simple sonochemical method as excellent materials for voltammetric determination of quercetin. *New Journal of Chemistry*, **2020**, 44, 2821-2832	3.6	18
58	Facile synthesis of copper ferrite nanoparticles with chitosan composite for high-performance electrochemical sensor. *Ultrasonics Sonochemistry*, **2020**, 63, 104902	8.9	18
57	Ultrasonication-assisted synthesis of sphere-like strontium cerate nanoparticles (SrCeO NPs) for the selective electrochemical detection of calcium channel antagonists nifedipine. *Ultrasonics Sonochemistry*, **2019**, 53, 44-54	8.9	18
56	Simple Sonochemical Synthesis of Cupric Oxide Sphere Decorated Reduced Graphene Oxide Composite for the Electrochemical Detection of Flutamide Drug in Biological Samples. *Journal of the Electrochemical Society*, **2019**, 166, B68-B75	3.9	17
55	Two-Dimensional Copper Tungstate Nanosheets: Application toward the Electrochemical Detection of Mesalazine. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18279-18287	8.3	17
54	Functionalization of Reduced Graphene Oxide with □-cyclodextrin Modified Palladium Nanoparticles for the Detection of Hydrazine in Environmental Water Samples. *Electroanalysis*, **2017**, 29, 587-594	3	17
53	Rational Design and Interlayer Effect of Dysprosium-Stannate Nanoplatelets Incorporated Graphene Oxide: A Versatile and Competent Electrocatalyst for Toxic Carbamate Pesticide Detection in Vegetables. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 17882-17892	8.3	17

52	Controlled electrochemical synthesis of yttrium (III) hexacyanoferrate micro flowers and their composite with multiwalled carbon nanotubes, and its application for sensing catechin in tea samples. *Journal of Solid State Electrochemistry*, **2015**, 19, 1103-1112	2.6	16
51	A nanocomposite consisting of cuprous oxide supported on graphitic carbon nitride nanosheets for non-enzymatic electrochemical sensing of 8-hydroxy-2'-deoxyguanosine. *Mikrochimica Acta*, **2020**, 187, 459	5.8	16
50	Electrochemical Activation of Graphite Nanosheets Decorated with Palladium Nanoparticles for High Performance Amperometric Hydrazine Sensor. *Electroanalysis*, **2016**, 28, 808-816	3	16
49	Ecofriendly preparation of graphene sheets decorated with an ethylenediamine copper(II) complex composite modified electrode for the selective detection of hydroquinone in water. *Inorganic Chemistry Frontiers*, **2018**, 5, 490-500	6.8	16
48	Ultrasound-assisted synthesis of □MnS (alabandite) nanoparticles decorated reduced graphene oxide hybrids: Enhanced electrocatalyst for electrochemical detection of Parkinson's disease biomarker. *Ultrasonics Sonochemistry*, **2019**, 56, 378-385	8.9	15
47	Functionalized Carbon Black Nanospheres Hybrid with MoS2 Nanoclusters for the Effective Electrocatalytic Reduction of Chloramphenicol. *Electroanalysis*, **2018**, 30, 1828-1836	3	15
46	Facile synthesis of copper(II) oxide nanospheres covered on functionalized multiwalled carbon nanotubes modified electrode as rapid electrochemical sensing platform for super-sensitive detection of antibiotic. *Ultrasonics Sonochemistry*, **2019**, 58, 104596	8.9	14
45	□Design of novel WO3/CB nanohybrids□An affordable and efficient electrochemical sensor for the detection of multifunctional flavonoid rutin. *Inorganic Chemistry Frontiers*, **2018**, 5, 1085-1093	6.8	14
44	Synthesis and characterization of nanostructured nickel phosphate as a robust electrocatalyst for the highly sensitive voltammetric determination of chlorpromazine in biological sample. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 93, 11-20	5.3	14
43	A Novel Cerium Tungstate Nanosheets Modified Electrode for the Effective Electrochemical Detection of Carcinogenic Nitrite Ions. *Electroanalysis*, **2017**, 29, 2385-2394	3	14
42	Highly Sensitive and Selective Detection of Phenolic Compound in River and Drinking Water Samples Using One□Pot Synthesized 3D□Cobalt Oxide Polyhedrons. *Journal of the Electrochemical Society*, **2017**, 164, B463-B469	3.9	14
41	A simple sonochemical assisted synthesis of NiMoO/chitosan nanocomposite for electrochemical sensing of amlodipine in pharmaceutical and serum samples. *Ultrasonics Sonochemistry*, **2020**, 64, 104827	8.9	14
40	Low potential detection of antiprotozoal drug metronidazole with aid of novel dysprosium vanadate incorporated oxidized carbon nanofiber modified disposable screen-printed electrode. *Journal of Hazardous Materials*, **2021**, 407, 124745	12.8	14
39	An Amperometric Biological Toxic Hydrazine Sensor Based on Multiwalled Carbon Nanotubes and Iron Tetrasulfonated Phthalocyanine Composite Modified Electrode. *Electroanalysis*, **2015**, 27, 1403-1410	3	13
38	A non-covalent interaction of Schiff base copper alanine complex with green synthesized reduced graphene oxide for highly selective electrochemical detection of nitrite. *RSC Advances*, **2016**, 6, 107416-107425	3.7	12
37	Sonochemical synthesis and fabrication of honeycomb like zirconium dioxide with chitosan modified electrode for sensitive electrochemical determination of anti-tuberculosis (TB) drug. *Ultrasonics Sonochemistry*, **2019**, 59, 104718	8.9	12
36	One-pot synthesis of three-dimensional MnO microcubes for high-level sensitive detection of head and neck cancer drug nimorazole. *Journal of Colloid and Interface Science*, **2017**, 505, 1193-1201	9.3	12
35	A feasible sonochemical approach to synthesize CuO@CeO nanomaterial and their enhanced non-enzymatic sensor performance towards neurotransmitter. *Ultrasonics Sonochemistry*, **2020**, 63, 104903	8.9	11

34	Ultrasonication assisted synthesis of NiO nanoparticles anchored on graphene oxide: an enzyme-free glucose sensor with ultrahigh sensitivity. *New Journal of Chemistry*, **2020**, 44, 15071-15080	3.6	10
33	Design and investigation of ytterbium tungstate nanoparticles: An efficient catalyst for the sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 96, 509-519	5.3	10
32	Highly sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine in biological samples based on poly-N-isopropylacrylamide microgel. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 96, 599-609	5.3	10
31	A novel nanocomposite with superior electrocatalytic activity: A magnetic property based ZnFeO nanocubes embellished with reduced graphene oxide by facile ultrasonic approach. *Ultrasonics Sonochemistry*, **2019**, 57, 116-124	8.9	9
30	Simple synthesis of CoSn(OH)6 nanocubes for the rapid electrochemical determination of rutin in the presence of quercetin and acetaminophen. *New Journal of Chemistry*, **2020**, 44, 11271-11281	3.6	9
29	A sensitive electrochemical determination of chemotherapy agent using graphitic carbon nitride covered vanadium oxide nanocomposite; sonochemical approach. *Ultrasonics Sonochemistry*, **2019**, 58, 104664	8.9	9
28	Ultrafine Bi-Sn nanoparticles decorated on carbon aerogels for electrochemical simultaneous determination of dopamine (neurotransmitter) and clozapine (antipsychotic drug). *Nanoscale*, **2020**, 12, 22217-22233	7.7	9
27	Iron vanadate nanoparticles supported on boron nitride nanocomposite: Electrochemical detection of antipsychotic drug chlorpromazine. *Journal of Electroanalytical Chemistry*, **2021**, 882, 114982	4.1	9
26	Electrochemical Determination of Isoniazid Using Gallic Acid Supported Reduced Graphene Oxide. *Journal of the Electrochemical Society*, **2017**, 164, H503-H508	3.9	8
25	Sonochemical synthesis and fabrication of neodymium sesquioxide entrapped with graphene oxide based hierarchical nanocomposite for highly sensitive electrochemical sensor of anti-cancer (raloxifene) drug. *Ultrasonics Sonochemistry*, **2020**, 64, 104717	8.9	8
24	Graphene and Perovskite-Based Nanocomposite for Both Electrochemical and Gas Sensor Applications: An Overview. *Sensors*, **2020**, 20,	3.8	8
23	Multiwalled carbon nanotube supported Schiff base copper complex inorganic nanocomposite for enhanced electrochemical detection of dopamine. *Inorganic Chemistry Frontiers*, **2017**, 4, 809-819	6.8	7
22	Electroactive polypyrrole-molybdenum disulfide nanocomposite for ultrasensitive detection of berberine in rat plasma. *Analytica Chimica Acta*, **2020**, 1125, 210-219	6.6	7
21	Light-Controlled Photochemical Synthesis of Gelatin-Capped Gold Nanoparticles for Spectral Activity and Electro-oxidation of Quercetin. *ChemElectroChem*, **2017**, 4, 2842-2851	4.3	7
20	Nanolayers of carbon protected copper oxide nanocomposite for high performance energy storage and non-enzymatic glucose sensor. *Journal of Alloys and Compounds*, **2021**, 875, 160063	5.7	7
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