

Subbiramaniyan Kubendhiran

List of Publications by Year in descending order

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159
papers

8,340
citations

36271

51
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58549

82
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159
all docs

159
docs citations

159
times ranked

7894
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct electrochemistry of glucose oxidase at electrochemically reduced graphene oxide-multiwalled carbon nanotubes hybrid material modified electrode for glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 309-315.	5.3	355
2	Preparation and characterization of PtAu hybrid film modified electrodes and their use in simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Talanta</i> , 2007, 74, 212-222.	2.9	311
3	Highly selective amperometric nitrite sensor based on chemically reduced graphene oxide modified electrode. <i>Electrochemistry Communications</i> , 2012, 17, 75-78.	2.3	283
4	Electrocatalysis and simultaneous detection of dopamine and ascorbic acid using poly(3,4-ethylenedioxy)thiophene film modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 592, 77-87.	1.9	263
5	Honeycomb-like Porous Carbon@Cobalt Oxide Nanocomposite for High-Performance Enzymeless Glucose Sensor and Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15812-15820.	4.0	216
6	Dopamine sensor based on a glassy carbon electrode modified with a reduced graphene oxide and palladium nanoparticles composite. <i>Mikrochimica Acta</i> , 2013, 180, 1037-1042.	2.5	175
7	Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1319-1326.	4.0	164
8	Solvent-free mechanochemical synthesis of graphene oxide and Fe ₃ O ₄ @reduced graphene oxide nanocomposites for sensitive detection of nitrite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15529-15539.	5.2	163
9	Eco-friendly synthesis of activated carbon from dead mango leaves for the ultrahigh sensitive detection of toxic heavy metal ions and energy storage applications. <i>RSC Advances</i> , 2014, 4, 1225-1233.	1.7	156
10	Direct electrochemistry of myoglobin at reduced graphene oxide-multiwalled carbon nanotubes-platinum nanoparticles nanocomposite and biosensing towards hydrogen peroxide and nitrite. <i>Biosensors and Bioelectronics</i> , 2014, 53, 420-427.	5.3	151
11	Enzymatic electrochemical glucose biosensors by mesoporous 1D hydroxyapatite-on-2D reduced graphene oxide. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1360-1370.	2.9	148
12	Determination of dopamine using a glassy carbon electrode modified with a graphene and carbon nanotube hybrid decorated with molybdenum disulfide flowers. <i>Mikrochimica Acta</i> , 2016, 183, 2267-2275.	2.5	121
13	Nickel Nanoparticle-Decorated Porous Carbons for Highly Active Catalytic Reduction of Organic Dyes and Sensitive Detection of Hg(II) Ions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24810-24821.	4.0	120
14	Innovative Strategy Based on a Novel Carbon-Black@β ² -Cyclodextrin Nanocomposite for the Simultaneous Determination of the Anticancer Drug Flutamide and the Environmental Pollutant 4-Nitrophenol. <i>Analytical Chemistry</i> , 2018, 90, 6283-6291.	3.2	107
15	Environmentally friendly synthesis of CeO ₂ nanoparticles for the catalytic oxidation of benzyl alcohol to benzaldehyde and selective detection of nitrite. <i>Scientific Reports</i> , 2017, 7, 46372.	1.6	100
16	Heteroatom-enriched and renewable banana-stem-derived porous carbon for the electrochemical determination of nitrite in various water samples. <i>Scientific Reports</i> , 2014, 4, 4679.	1.6	99
17	Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. <i>RSC Advances</i> , 2017, 7, 45668-45675.	1.7	95
18	Palladium nanoparticles modified electrode for the selective detection of catecholamine neurotransmitters in presence of ascorbic acid. <i>Bioelectrochemistry</i> , 2009, 75, 163-169.	2.4	94

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19	Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. <i>Talanta</i> , 2014, 120, 148-157.	2.9	94
20	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxide@single-walled carbon nanotube composite film. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 274-280.	4.0	90
21	Synthesis and characterization of polypyrrole decorated graphene/ β -cyclodextrin composite for low level electrochemical detection of mercury (II) in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 888-894.	4.0	87
22	Highly stable and sensitive amperometric sensor for the determination of trace level hydrazine at cross linked pectin stabilized gold nanoparticles decorated graphene nanosheets. <i>Electrochimica Acta</i> , 2014, 135, 260-269.	2.6	85
23	Electrochemically synthesized Pt@MnO ₂ composite particles for simultaneous determination of catechol and hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 235-242.	4.0	83
24	Electrochemical properties of the acetaminophen on the screen printed carbon electrode towards the high performance practical sensor applications. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 109-117.	5.0	81
25	Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16015-16022.	5.2	79
26	Nanomolar electrochemical detection of caffeic acid in fortified wine samples based on gold/palladium nanoparticles decorated graphene flakes. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 77-85.	5.0	78
27	Praseodymium Vanadate-Decorated Sulfur-Doped Carbon Nitride Hybrid Nanocomposite: The Role of a Synergistic Electrocatalyst for the Detection of Metronidazole. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7893-7905.	4.0	77
28	Preparation and characterization of gold nanoparticles decorated on graphene oxide@polydopamine composite: Application for sensitive and low potential detection of catechol. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 298-306.	4.0	76
29	Robust and selective electrochemical detection of antibiotic residues: The case of integrated lutetium vanadate/graphene sheets architectures. <i>Journal of Hazardous Materials</i> , 2020, 384, 121304.	6.5	75
30	Palladium nanoparticles decorated on activated fullerene modified screen printed carbon electrode for enhanced electrochemical sensing of dopamine. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 251-256.	5.0	74
31	Trace level electrochemical determination of the neurotransmitter dopamine in biological samples based on iron oxide nanoparticle decorated graphene sheets. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 705-718.	3.0	70
32	Microwave-assisted synthesis of Bi ₂ WO ₆ flowers decorated graphene nanoribbon composite for electrocatalytic sensing of hazardous dihydroxybenzene isomers. <i>Composites Part B: Engineering</i> , 2018, 152, 220-230.	5.9	68
33	A novel amperometric nitrite sensor based on screen printed carbon electrode modified with graphite/ β -cyclodextrin composite. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 97-104.	1.9	67
34	One-Pot Green Synthesis of Graphene Nanosheets Encapsulated Gold Nanoparticles for Sensitive and Selective Detection of Dopamine. <i>Scientific Reports</i> , 2017, 7, 41213.	1.6	66
35	Rational Design for the Synthesis of Europium Vanadate-Encapsulated Graphene Oxide Nanocomposite: An Excellent and Efficient Catalyst for the Electrochemical Detection of Cloquinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4136-4146.	3.2	66
36	An electrochemical synthesis strategy for composite based ZnO microspheres@Au nanoparticles on reduced graphene oxide for the sensitive detection of hydrazine in water samples. <i>RSC Advances</i> , 2015, 5, 54379-54386.	1.7	65

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37	Preparation of highly stable fullerene C60 decorated graphene oxide nanocomposite and its sensitive electrochemical detection of dopamine in rat brain and pharmaceutical samples. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 375-381.	5.0	65
38	Green reduction of reduced graphene oxide with nickel tetraphenyl porphyrin nanocomposite modified electrode for enhanced electrochemical determination of environmentally pollutant nitrobenzene. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 207-216.	5.0	65
39	Eco-friendly synthesis of Ag-NPs using <i>Cerasus serrulata</i> plant extract – Its catalytic, electrochemical reduction of 4-NPh and antibacterial activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 330-339.	2.9	64
40	Determination of oxidative stress biomarker 3-nitro-L-tyrosine using CdWO ₄ nanodots decorated reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 274-281.	4.0	62
41	Electrochemical co-preparation of cobalt sulfide/reduced graphene oxide composite for electrocatalytic activity and determination of H ₂ O ₂ in biological samples. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 153-162.	5.0	60
42	Carbon aerogel supported palladium-ruthenium nanoparticles for electrochemical sensing and catalytic reduction of food dye. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 48-59.	4.0	59
43	Microwave-assisted synthesis of europium(III) oxide decorated reduced graphene oxide nanocomposite for detection of chloramphenicol in food samples. <i>Composites Part B: Engineering</i> , 2019, 161, 29-36.	5.9	59
44	Assessment of divergent functional properties of seed-like strontium molybdate for the photocatalysis and electrocatalysis of the postharvest scald inhibitor diphenylamine. <i>Journal of Catalysis</i> , 2017, 352, 606-616.	3.1	58
45	Voltammetric determination of Sudan I in food samples based on platinum nanoparticles decorated on graphene- β -cyclodextrin modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 64-70.	1.9	57
46	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO ₂ nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 602-612.	4.0	57
47	Determination of Neurotransmitter in Biological and Drug Samples Using Gold Nanorods Decorated MWCNTs Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, B370-B377.	1.3	56
48	Sonochemical synthesis of bismuth(III) oxide decorated reduced graphene oxide nanocomposite for detection of hormone (epinephrine) in human and rat serum. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 103-110.	3.8	56
49	Highly sensitive determination of non-steroidal anti-inflammatory drug nimesulide using electrochemically reduced graphene oxide nanoribbons. <i>RSC Advances</i> , 2017, 7, 33043-33051.	1.7	53
50	Rational Design and Interlayer Effect of Dysprosium-Stannate Nanoplatelets Incorporated Graphene Oxide: A Versatile and Competent Electrocatalyst for Toxic Carbamate Pesticide Detection in Vegetables. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17882-17892.	3.2	53
51	Preparation of β -cyclodextrin entrapped graphite composite for sensitive detection of dopamine. <i>Carbohydrate Polymers</i> , 2016, 135, 267-273.	5.1	52
52	A cerium vanadate interconnected with a carbon nanofiber heterostructure for electrochemical determination of the prostate cancer drug nilutamide. <i>Mikrochimica Acta</i> , 2019, 186, 579.	2.5	52
53	Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. <i>Analyst</i> , 2014, 139, 4994.	1.7	51
54	Preparation of chitosan grafted graphite composite for sensitive detection of dopamine in biological samples. <i>Carbohydrate Polymers</i> , 2016, 151, 401-407.	5.1	51

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55	Rational design and facile synthesis of binary metal sulfides VS ₂ -SnS ₂ hybrid with functionalized multiwalled carbon nanotube for the selective detection of neurotransmitter dopamine. <i>Analytica Chimica Acta</i> , 2019, 1071, 98-108.	2.6	51
56	Electrochemical Determination of Caffeic Acid in Wine Samples Using Reduced Graphene Oxide/Polydopamine Composite. <i>Journal of the Electrochemical Society</i> , 2016, 163, B726-B731.	1.3	50
57	Highly sensitive fluorogenic sensing of L-Cysteine in live cells using gelatin-stabilized gold nanoparticles decorated graphene nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 339-346.	4.0	50
58	Iron nanoparticles decorated graphene-multiwalled carbon nanotubes nanocomposite-modified glassy carbon electrode for the sensitive determination of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1015-1023.	1.2	49
59	Hierarchically structured CuFe ₂ O ₄ ND@RGO composite for the detection of oxidative stress biomarker in biological fluids. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 944-950.	3.0	49
60	Innovation of Novel Stone-Like Perovskite Structured Calcium Stannate (CaSnO ₃): Synthesis, Characterization, and Application Headed for Sensing Photographic Developing Agent Metol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4419-4430.	3.2	49
61	Functional Porous Carbon/Nickel Oxide Nanocomposites as Binder-Free Electrodes for Supercapacitors. <i>Chemistry - A European Journal</i> , 2015, 21, 8200-8206.	1.7	48
62	Facile one-pot sonochemical synthesis of Ni doped bismuth sulphide for the electrochemical determination of promethazine hydrochloride. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 68-78.	3.8	48
63	Electrocatalytic reduction of nitroaromatic compounds by activated graphite sheets in the presence of atmospheric oxygen molecules. <i>Journal of Catalysis</i> , 2017, 356, 43-52.	3.1	47
64	Reduced Graphene Oxide Non-covalent Functionalized with Zinc Tetra Phenyl Porphyrin Nanocomposite for Electrochemical Detection of Dopamine in Human Serum and Rat Brain Samples. <i>Electroanalysis</i> , 2016, 28, 2126-2135.	1.5	46
65	Facile and novel synthesis of palladium nanoparticles supported on a carbon aerogel for ultrasensitive electrochemical sensing of biomolecules. <i>Nanoscale</i> , 2017, 9, 6486-6496.	2.8	46
66	Determination of 8-hydroxy-2-deoxyguanosine oxidative stress biomarker using dysprosium oxide nanoparticles@reduced graphene oxide. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2885-2892.	3.0	45
67	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. <i>Composites Part B: Engineering</i> , 2019, 169, 249-257.	5.9	45
68	Synthesis and application of bismuth ferrite nanosheets supported functionalized carbon nanofiber for enhanced electrochemical detection of toxic organic compound in water samples. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 59-69.	5.0	45
69	Ex-situ decoration of graphene oxide with palladium nanoparticles for the highly sensitive and selective electrochemical determination of chloramphenicol in food and biological samples. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 89, 26-38.	2.7	44
70	Facile synthesis of MnO ₂ /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. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6285-6292.	2.9	43
71	Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. <i>Electroanalysis</i> , 2017, 29, 1950-1960.	1.5	43
72	A novel synthesis of non-aggregated spinel nickel ferrite nanosheets for developing non-enzymatic reactive oxygen species sensor in biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 161-167.	1.9	43

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73	Exploring the promising potential of MoS ₂ –RuS ₂ binary metal sulphide towards the electrocatalysis of antibiotic drug sulphadiazine. <i>Analytica Chimica Acta</i> , 2019, 1086, 55-65.	2.6	42
74	Low potential detection of antiprotozoal drug metronidazole with aid of novel dysprosium vanadate incorporated oxidized carbon nanofiber modified disposable screen-printed electrode. <i>Journal of Hazardous Materials</i> , 2021, 407, 124745.	6.5	42
75	Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide–polyaniline/activated charcoal composite. <i>RSC Advances</i> , 2016, 6, 100605-100613.	1.7	40
76	Electrocatalytic oxidation of dopamine based on non-covalent functionalization of manganese tetraphenylporphyrin/reduced graphene oxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 120-127.	5.0	40
77	Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. <i>RSC Advances</i> , 2014, 4, 55900-55907.	1.7	39
78	Synthesis and Characterization of Zirconium Dioxide Anchored Carbon Nanofiber Composite for Enhanced Electrochemical Determination of Chloramphenicol in Food Samples. <i>Journal of the Electrochemical Society</i> , 2018, 165, B281-B288.	1.3	39
79	Highly sensing graphene oxide/poly-arginine-modified electrode for the simultaneous electrochemical determination of buspirone, isoniazid and pyrazinamide drugs. <i>Ionics</i> , 2015, 21, 547-555.	1.2	38
80	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. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 40-47.	1.9	38
81	Facile synthesis of mesoporous WS ₂ nanorods decorated N-doped RGO network modified electrode as portable electrochemical sensing platform for sensitive detection of toxic antibiotic in biological and pharmaceutical samples. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 430-436.	3.8	37
82	Highly stable biomolecule supported by gold nanoparticles/graphene nanocomposite as a sensing platform for H ₂ O ₂ biosensor application. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6335-6343.	2.9	36
83	Highly sensitive electrochemical detection of palmitine using a biocompatible multiwalled carbon nanotube/poly- l-lysine composite. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 144-152.	5.0	36
84	Metallated porphyrin noncovalent interaction with reduced graphene oxide–modified electrode for amperometric detection of environmental pollutant hydrazine. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3703.	1.7	36
85	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. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 318-326.	3.8	36
86	A selective electrochemical sensor for caffeic acid and photocatalyst for metronidazole drug pollutant - A dual role by rod-like SrV ₂ O ₆ . <i>Scientific Reports</i> , 2017, 7, 7254.	1.6	35
87	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. <i>Journal of the Electrochemical Society</i> , 2018, 165, B240-B249.	1.3	35
88	Sr-Doped NiO ₃ nanorods synthesized by a simple sonochemical method as excellent materials for voltammetric determination of quercetin. <i>New Journal of Chemistry</i> , 2020, 44, 2821-2832.	1.4	33
89	Facile synthesis of perovskite-type NdNiO ₃ nanoparticles for an effective electrochemical non-enzymatic glucose biosensor. <i>New Journal of Chemistry</i> , 2017, 41, 11201-11207.	1.4	32
90	Highly selective electrochemical detection of antipsychotic drug chlorpromazine in drug and human urine samples based on peas-like strontium molybdate as an electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 643-655.	3.0	32

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91	Hexamine cobalt($\text{Co}(\text{NH}_3)_6^{3+}$) coordination complex grafted reduced graphene oxide composite for sensitive and selective electrochemical determination of morin in fruit samples. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1145-1155.	3.0	32
92	A relative study on sonochemically synthesized mesoporous WS ₂ nanorods & hydrothermally synthesized WS ₂ nanoballs towards electrochemical sensing of psychoactive drug (Clonazepam). <i>Ultrasonics Sonochemistry</i> , 2019, 54, 79-89.	3.8	32
93	A low temperature synthesis of activated carbon from the bio waste for simultaneous electrochemical determination of hydroquinone and catechol. <i>Journal of Electroanalytical Chemistry</i> , 2014, 727, 84-90.	1.9	31
94	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 63917-63921.	1.7	31
95	Design of novel WO ₃ /CB nanohybrids: An affordable and efficient electrochemical sensor for the detection of multifunctional flavonoid rutin. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1085-1093.	3.0	31
96	Two-Dimensional Copper Tungstate Nanosheets: Application toward the Electrochemical Detection of Mesalazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18279-18287.	3.2	31
97	Ultrasonication-assisted synthesis of sphere-like strontium cerate nanoparticles (SrCeO ₃ NPs) for the selective electrochemical detection of calcium channel antagonists nifedipine. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 44-54.	3.8	31
98	A nanocomposite consisting of cuprous oxide supported on graphitic carbon nitride nanosheets for non-enzymatic electrochemical sensing of 8-hydroxy-2'-deoxyguanosine. <i>Mikrochimica Acta</i> , 2020, 187, 459.	2.5	31
99	A simple sonochemical assisted synthesis of NiMoO ₄ /chitosan nanocomposite for electrochemical sensing of amlodipine in pharmaceutical and serum samples. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104827.	3.8	30
100	Facile synthesis of copper ferrite nanoparticles with chitosan composite for high-performance electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104902.	3.8	30
101	A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. <i>RSC Advances</i> , 2014, 4, 48522-48534.	1.7	28
102	One pot synthesis of CeO ₂ nanoparticles on a carbon surface for the practical determination of paracetamol content in real samples. <i>RSC Advances</i> , 2016, 6, 104227-104234.	1.7	28
103	Chitosan Stabilized Multi-Walled Carbon Nanotubes for Electrochemical Determination of Dihydroxybenzene Isomers. <i>Journal of the Electrochemical Society</i> , 2017, 164, H958-H966.	1.3	28
104	Facile sonochemical synthesis of porous and hierarchical manganese(III) oxide tiny nanostructures for super sensitive electrocatalytic detection of antibiotic (chloramphenicol) in fresh milk. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104648.	3.8	28
105	An electrochemical facile fabrication of platinum nanoparticle decorated reduced graphene oxide; application for enhanced electrochemical sensing of H ₂ O ₂ . <i>RSC Advances</i> , 2015, 5, 105567-105573.	1.7	27
106	A non-covalent functionalization of copper tetraphenylporphyrin/chemically reduced graphene oxide nanocomposite for the selective determination of dopamine. <i>Applied Organometallic Chemistry</i> , 2016, 30, 40-46.	1.7	27
107	Simple Sonochemical Synthesis of Cupric Oxide Sphere Decorated Reduced Graphene Oxide Composite for the Electrochemical Detection of Flutamide Drug in Biological Samples. <i>Journal of the Electrochemical Society</i> , 2019, 166, B68-B75.	1.3	27
108	Sonochemical synthesis and fabrication of honeycomb like zirconium dioxide with chitosan modified electrode for sensitive electrochemical determination of anti-tuberculosis (TB) drug. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104718.	3.8	26

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109	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. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1103-1112.	1.2	25
110	Electrochemical fabrication of gold nanoparticles decorated on activated fullerene C60: an enhanced sensing platform for trace level detection of toxic hydrazine in water samples. <i>RSC Advances</i> , 2015, 5, 94591-94598.	1.7	25
111	A Novel Cerium Tungstate Nanosheets Modified Electrode for the Effective Electrochemical Detection of Carcinogenic Nitrite Ions. <i>Electroanalysis</i> , 2017, 29, 2385-2394.	1.5	25
112	Synthesis and characterization of nanostructured nickel phosphate as a robust electrocatalyst for the highly sensitive voltammetric determination of chlorpromazine in biological sample. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 11-20.	2.7	25
113	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. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104596.	3.8	25
114	Preparation of three dimensional flower-like cobalt phosphate as dual functional electrocatalyst for flavonoids sensing and supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 29688-29706.	2.3	25
115	Hydrothermal Synthesis of Three Dimensional Graphene-Multiwalled Carbon Nanotube Nanocomposite for Enhanced Electro Catalytic Oxidation of Caffeic Acid. <i>Electroanalysis</i> , 2017, 29, 1103-1112.	1.5	24
116	Intermetallic Compound Cu ₂ Sb Nanoparticles for Effective Electrocatalytic Oxidation of an Antibiotic Drug: Sulphadiazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17718-17726.	3.2	24
117	Iron vanadate nanoparticles supported on boron nitride nanocomposite: Electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114982.	1.9	24
118	Functionalized Carbon Black Nanospheres Hybrid with MoS ₂ Nanoclusters for the Effective Electrocatalytic Reduction of Chloramphenicol. <i>Electroanalysis</i> , 2018, 30, 1828-1836.	1.5	23
119	Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/Au-TPP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. <i>RSC Advances</i> , 2016, 6, 56375-56383.	1.7	22
120	Functionalization of Reduced Graphene Oxide with β -cyclodextrin Modified Palladium Nanoparticles for the Detection of Hydrazine in Environmental Water Samples. <i>Electroanalysis</i> , 2017, 29, 587-594.	1.5	22
121	Ultrafine Bi-Sn nanoparticles decorated on carbon aerogels for electrochemical simultaneous determination of dopamine (neurotransmitter) and clozapine (antipsychotic drug). <i>Nanoscale</i> , 2020, 12, 22217-22233.	2.8	21
122	Ultrasound-assisted synthesis of β -MnS (alabandite) nanoparticles decorated reduced graphene oxide hybrids: Enhanced electrocatalyst for electrochemical detection of Parkinson's disease biomarker. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 378-385.	3.8	20
123	Ultrasonication assisted synthesis of NiO nanoparticles anchored on graphene oxide: an enzyme-free glucose sensor with ultrahigh sensitivity. <i>New Journal of Chemistry</i> , 2020, 44, 15071-15080.	1.4	20
124	Electrochemical Activation of Graphite Nanosheets Decorated with Palladium Nanoparticles for High Performance Amperometric Hydrazine Sensor. <i>Electroanalysis</i> , 2016, 28, 808-816.	1.5	19
125	Ecofriendly preparation of graphene sheets decorated with an ethylenediamine copper(II) complex composite modified electrode for the selective detection of hydroquinone in water. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 490-500.	3.0	19
126	Simple synthesis of CoSn(OH) ₆ nanocubes for the rapid electrochemical determination of rutin in the presence of quercetin and acetaminophen. <i>New Journal of Chemistry</i> , 2020, 44, 11271-11281.	1.4	19

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