

Subbiramaniyan Kubendhiran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Disposable cerium oxide/graphene nanosheets based sensor for monitoring acebutolol in environmental samples and bio-fluids. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107182	6.8	2
158	Heterostructures of mixed metal oxides (ZnMnO ₃ /ZnO) synthesized by a wet-chemical approach and their application for the electrochemical detection of the drug chlorpromazine. <i>Composites Part B: Engineering</i> , 2022 , 236, 109822	10	0
157	Coherent design of indium doped copper bismuthate-encapsulated graphene nanocomposite for sensitive electrochemical detection of Rutin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 643, 128740	5.1	0
156	Floret-like manganese doped tin oxide anchored reduced graphene oxide for electrochemical detection of dimetridazole in milk and egg samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 631, 127733	5.1	4
155	Interfacial Influence of Strontium Niobium Engulfed Reduced Graphene Oxide Composite for Sulfamethazine Detection: Employing an Electrochemical Route in Real Samples. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 057512	3.9	4
154	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	12.8	14
153	Copper Assisted Inverted Pyramids Texturization of Monocrystalline Silicon in a Nitrogen Bubbling Bath for Highly Efficient Light Trapping. <i>Silicon</i> , 2021 , 13, 3121-3129	2.4	1
152	Iron vanadate nanoparticles supported on boron nitride nanocomposite: Electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 882, 114982	4.1	9
151	Nanolayers of carbon protected copper oxide nanocomposite for high performance energy storage and non-enzymatic glucose sensor. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 160063	5.7	7
150	Temperature abetted synthesis of novel magnesium stannate nanoparticles assisted for nanomolar level detection of hazardous flavonoid in biological samples. <i>Food Chemistry</i> , 2021 , 361, 130162	8.5	1
149	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	5.1	6
148	Facile synthesis of alpha-phase strontium pyrophosphate incorporated with polypyrrole composite for the electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161537	5.7	3
147	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	8.3	5
146	Electroactive polypyrrole-molybdenum disulfide nanocomposite for ultrasensitive detection of berberine in rat plasma. <i>Analytica Chimica Acta</i> , 2020 , 1125, 210-219	6.6	7
145	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	3.6	9
144	Synergistic activity of binary metal sulphide WS ₂ /RuS ₂ nanospheres for the electrochemical detection of the antipsychotic drug promazine. <i>New Journal of Chemistry</i> , 2020 , 44, 4621-4630	3.6	5
143	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	8.3	23

142	Sonochemical preparation of carbon nanosheets supporting cuprous oxide architecture for high-performance and non-enzymatic electrochemical sensor in biological samples. <i>Ultrasonics Sonochemistry</i> , 2020 , 66, 105072	8.9	3
141	Sonochemical synthesis and fabrication of neodymium sesquioxide entrapped with graphene oxide based hierarchical nanocomposite for highly sensitive electrochemical sensor of anti-cancer (raloxifene) drug. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 104717	8.9	8
140	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	3.6	18
139	Sonochemical approach to the synthesis of metal tungstate/nafion composite with electrocatalytic properties and its electrochemical sensing performance. <i>Ultrasonics Sonochemistry</i> , 2020 , 66, 104901	8.9	2
138	A feasible sonochemical approach to synthesize CuO@CeO nanomaterial and their enhanced non-enzymatic sensor performance towards neurotransmitter. <i>Ultrasonics Sonochemistry</i> , 2020 , 63, 104903	8.9	11
137	Facile synthesis of copper ferrite nanoparticles with chitosan composite for high-performance electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020 , 63, 104902	8.9	18
136	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	7.7	9
135	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	5.8	16
134	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	8.3	17
133	Potentiostatic oxidation of N-doped algae-derived carbon for P-nitrophenol sensitive determination. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 876, 114736	4.1	0
132	Graphene and Perovskite-Based Nanocomposite for Both Electrochemical and Gas Sensor Applications: An Overview. <i>Sensors</i> , 2020 , 20,	3.8	8
131	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	3.6	10
130	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	12.8	42
129	A simple sonochemical assisted synthesis of NiMoO/chitosan nanocomposite for electrochemical sensing of amlodipine in pharmaceutical and serum samples. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 104827	8.9	14
128	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	3.9	17
127	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	9.5	42
126	A chitosan grafted mesoporous carbon aerogel for ultra-sensitive voltammetric determination of isoniazid. <i>Mikrochimica Acta</i> , 2019 , 186, 419	5.8	2
125	A novel nanocomposite with superior electrocatalytic activity: A magnetic property based ZnFeO nanocubes embellished with reduced graphene oxide by facile ultrasonic approach. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 116-124	8.9	9

124	Rational design and facile synthesis of binary metal sulfides VS-SnS hybrid with functionalized multiwalled carbon nanotube for the selective detection of neurotransmitter dopamine. <i>Analytica Chimica Acta</i> , 2019 , 1071, 98-108	6.6	29
123	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	8.9	14
122	Functionalization of a carbon nanofiber with a tetrasulfonatophenyl ruthenium(II)porphine complex for real-time amperometric sensing of chlorpromazine. <i>Mikrochimica Acta</i> , 2019 , 186, 285	5.8	5
121	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	10	27
120	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	8.9	15
119	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. <i>Ultrasonics Sonochemistry</i> , 2019 , 56, 430-436	8.9	20
118	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	8.9	22
117	A relative study on sonochemically synthesized mesoporous WS nanorods & hydrothermally synthesized WS nanoballs towards electrochemical sensing of psychoactive drug (Clonazepam). <i>Ultrasonics Sonochemistry</i> , 2019 , 54, 79-89	8.9	24
116	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	8.9	22
115	Exploring the promising potential of MoS-RuS binary metal sulphide towards the electrocatalysis of antibiotic drug sulphadiazine. <i>Analytica Chimica Acta</i> , 2019 , 1086, 55-65	6.6	20
114	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	8.9	12
113	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	8.9	20
112	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	5.8	27
111	A sensitive electrochemical determination of chemotherapy agent using graphitic carbon nitride covered vanadium oxide nanocomposite; sonochemical approach. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104664	8.9	9
110	Two-Dimensional Copper Tungstate Nanosheets: Application toward the Electrochemical Detection of Mesalazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18279-18287	8.3	17
109	Design and investigation of ytterbium tungstate nanoparticles: An efficient catalyst for the sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 96, 509-519	5.3	10
108	Rational Design for the Synthesis of Europium Vanadate-Encapsulated Graphene Oxide Nanocomposite: An Excellent and Efficient Catalyst for the Electrochemical Detection of Clioquinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4136-4146	8.3	40
107	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	8.5	42

106	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	10	35
105	Highly sensitive and selective electrochemical detection of antipsychotic drug chlorpromazine in biological samples based on poly-N-isopropylacrylamide microgel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 96, 599-609	5.3	10
104	Ultrasonication-assisted synthesis of sphere-like strontium cerate nanoparticles (SrCeO NPs) for the selective electrochemical detection of calcium channel antagonists nifedipine. <i>Ultrasonics Sonochemistry</i> , 2019 , 53, 44-54	8.9	18
103	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	8.9	37
102	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	6.8	44
101	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	3.9	23
100	Innovative Strategy Based on a Novel Carbon-Black-β-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	7.8	79
99	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	6.8	55
98	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	6.8	19
97	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	4.1	33
96	Hexammine cobalt(III) 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	6.8	24
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	6.8	14
94	Electrochemical co-preparation of cobalt sulfide/reduced graphene oxide composite for electrocatalytic activity and determination of HO in biological samples. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 153-162	9.3	43
93	Determination of Neurotransmitter in Biological and Drug Samples Using Gold Nanorods Decorated f-MWCNTs Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B370-B377	3.9	41
92	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	5.3	14
91	Carbon supported olivine type phosphate framework: a promising electrocatalyst for sensitive detection of dopamine. <i>RSC Advances</i> , 2018 , 8, 27775-27785	3.7	2
90	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	10	55
89	Functionalized Carbon Black Nanospheres Hybrid with MoS ₂ Nanoclusters for the Effective Electrocatalytic Reduction of Chloramphenicol. <i>Electroanalysis</i> , 2018 , 30, 1828-1836	3	15

88	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	3.9	26
87	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	9.3	29
86	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	8.5	34
85	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	8.5	40
84	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	6.8	16
83	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	6.8	28
82	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	5.3	31
81	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	8.5	48
80	Multiwalled carbon nanotube supported Schiff base copper complex inorganic nanocomposite for enhanced electrochemical detection of dopamine. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 809-819	6.8	7
79	One-Pot Green Synthesis of Graphene Nanosheets Encapsulated Gold Nanoparticles for Sensitive and Selective Detection of Dopamine. <i>Scientific Reports</i> , 2017 , 7, 41213	4.9	50
78	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	9.3	45
77	Environmentally friendly synthesis of CeO nanoparticles for the catalytic oxidation of benzyl alcohol to benzaldehyde and selective detection of nitrite. <i>Scientific Reports</i> , 2017 , 7, 46372	4.9	62
76	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	9.3	59
75	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	7.7	35
74	Electrochemical Determination of Isoniazid Using Gallic Acid Supported Reduced Graphene Oxide. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H503-H508	3.9	8
73	Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables. <i>Electroanalysis</i> , 2017 , 29, 1950-1960	3	31
72	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	3.1	20
71	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	4.1	43

70	Highly sensitive electrochemical detection of palmatine using a biocompatible multiwalled carbon nanotube/poly-L-lysine composite. <i>Journal of Colloid and Interface Science</i> , 2017 , 498, 144-152	9.3	22
69	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	8.5	66
68	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	3.1	25
67	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	4.1	30
66	Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. <i>RSC Advances</i> , 2017 , 7, 45668-45675	3.7	68
65	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	3.6	24
64	A Novel Cerium Tungstate Nanosheets Modified Electrode for the Effective Electrochemical Detection of Carcinogenic Nitrite Ions. <i>Electroanalysis</i> , 2017 , 29, 2385-2394	3	14
63	Highly sensitive determination of non-steroidal anti-inflammatory drug nimesulide using electrochemically reduced graphene oxide nanoribbons. <i>RSC Advances</i> , 2017 , 7, 33043-33051	3.7	44
62	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	7.3	36
61	Highly Sensitive and Selective Detection of Phenolic Compound in River and Drinking Water Samples Using One-Pot Synthesized 3D Cobalt Oxide Polyhedrons. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B463-B469	3.9	14
60	Light-Controlled Photochemical Synthesis of Gelatin-Capped Gold Nanoparticles for Spectral Activity and Electro-oxidation of Quercetin. <i>ChemElectroChem</i> , 2017 , 4, 2842-2851	4.3	7
59	A selective electrochemical sensor for caffeic acid and photocatalyst for metronidazole drug pollutant - A dual role by rod-like SrVO. <i>Scientific Reports</i> , 2017 , 7, 7254	4.9	27
58	Chitosan Stabilized Multi-Walled Carbon Nanotubes for Electrochemical Determination of Dihydroxybenzene Isomers. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H958-H966	3.9	22
57	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	7.3	35
56	One-pot electrochemical preparation of copper species immobilized poly(o-aminophenol)/MWCNT composite with excellent electrocatalytic activity for use as an H ₂ O ₂ sensor. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1356-1364	6.8	6
55	One-pot synthesis of three-dimensional MnO microcubes for high-level sensitive detection of head and neck cancer drug nimorazole. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 1193-1201	9.3	12
54	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	3	17
53	Preparation of highly stable fullerene C ₆₀ 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, 375-81	9.3	50

52	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	9.3	61
51	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	3.7	23
50	A non-covalent interaction of Schiff base copper alanine complex with green synthesized reduced graphene oxide for highly selective electrochemical detection of nitrite. <i>RSC Advances</i> , 2016 , 6, 107416-107425 ¹²	3.7	12
49	Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/AuTPP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. <i>RSC Advances</i> , 2016 , 6, 56375-56383	3.7	18
48	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	3	36
47	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	4.1	54
46	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	9.3	33
45	Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1319-26	9.5	110
44	Preparation of β -cyclodextrin entrapped graphite composite for sensitive detection of dopamine. <i>Carbohydrate Polymers</i> , 2016 , 135, 267-73	10.3	46
43	Electrochemical Activation of Graphite Nanosheets Decorated with Palladium Nanoparticles for High Performance Amperometric Hydrazine Sensor. <i>Electroanalysis</i> , 2016 , 28, 808-816	3	16
42	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	3.9	36
41	Preparation of chitosan grafted graphite composite for sensitive detection of dopamine in biological samples. <i>Carbohydrate Polymers</i> , 2016 , 151, 401-407	10.3	39
40	Eco-friendly synthesis of Ag-NPs using <i>Cerasus serrulata</i> plant extract as catalytic, electrochemical reduction of 4-NPh and antibacterial activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 330-339	6.3	44
39	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	8.5	62
38	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 ^{5.8}	5.8	83
37	Highly stable biomolecule supported by gold nanoparticles/graphene nanocomposite as a sensing platform for HO biosensor application. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6335-6343	7.3	29
36	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	3.7	30
35	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	3.1	22

34	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	2.6	16
33	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. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6285-6292	7.3	32
32	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	3.7	51
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