

Paramasivam Balasuramanian

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9165720/paramasivam-balasuramanian-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

134
papers

2,907
citations

31
h-index

43
g-index

134
ext. papers

3,779
ext. citations

6.7
avg, IF

6.17
L-index

#	Paper	IF	Citations
134	Vanadium carbide and nitrogen-doped graphene nanosheets based layered architecture for electrochemical evaluation of cloiquinol detection and energy storage application. <i>Electrochimica Acta</i> , 2022 , 408, 139930	6.7	2
133	Hybrid ternary nanocomposite of N-doped carbon quantum dots@SnO ₂ /multiwall carbon nanotubes: A robust and sensitive electrocatalyst for the detection of antineoplastic agent gallic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128544	5.1	1
132	Electrochemical sensor based on cerium niobium oxide nanoparticles modified electrode for sensing of environmental toxicity in water samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128277	5.1	0
131	Electrochemical sensor based on cobalt ruthenium sulfide nanoparticles embedded on boron nitrogen co-doped reduced graphene oxide for the determination of nitrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128271	5.1	2
130	Nanoarchitected nickel phosphate integrated with graphene oxide for the toxicant diphenylamine detection in food samples. <i>Journal of Food Composition and Analysis</i> , 2022 , 104628	4.1	1
129	Facile Hydrothermal Synthesis of Manganese Sulfide Nanoelectrocatalyst for High Sensitive Detection of Bisphenol A in Food and Eco-samples. <i>Food Chemistry</i> , 2022 , 133316	8.5	0
128	Electrocatalytic detection of noxious antioxidant diphenylamine in fruit samples with support of Cu@nanoporous carbon modified sensor.. <i>Chemosphere</i> , 2021 , 292, 133400	8.4	2
127	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
126	Facile synthesis of hexagonal-shaped zinc doped cobalt oxide: Application for electroanalytical determination of antibacterial drug ofloxacin in urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 885, 115101	4.1	6
125	3D Flower-like NiCo Layered Double Hydroxides: An Efficient Electrocatalyst for Non-Enzymatic Electrochemical Biosensing of Hydrogen Peroxide in Live Cells and Glucose in Biofluids.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3203-3213	4.1	7
124	3D Honey-Comb like Nitrogen Self-Doped Porous Carbon Networks for High-Performance Electrochemical Detection of Antibiotic Drug Furazolidone. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 047503	3.9	3
123	Efficient Electrocatalyst for Hydrogen Evolution Reaction based on N-rGO-MWCNT/CuAlO ₂ Nanocomposite in Acidic Media. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 045011	2	1
122	Samarium vanadate nanospheres integrated carbon nanofiber composite as an efficient electrocatalyst for antituberculosis drug detection in real samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126385	5.1	3
121	Boron carbon oxyphosphide heterostructured nanodots with phosphate tunable emission for switchable dual detection channels of 6-mercaptopurine assay. <i>Talanta</i> , 2021 , 226, 122067	6.2	3
120	Rational construction of N,S-doped carbon wrapped MnFe ₂ O ₄ nanospheres with copious oxygen deficiency as extremely efficient and robust electrocatalyst for urea electrocatalysis. <i>Journal of Power Sources</i> , 2021 , 494, 229757	8.9	5
119	A novel hybrid construction of MnMoO nanorods anchored graphene nanosheets; an efficient electrocatalyst for the picomolar detection of ecological pollutant ornidazole in water and urine samples. <i>Chemosphere</i> , 2021 , 273, 129665	8.4	13
118	Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124542	12.8	14

117	Engineering of oxygen vacancies regulated core-shell N-doped carbon@NiFe ₂ O ₄ nanospheres: A superior bifunctional electrocatalyst for boosting the kinetics of oxygen and hydrogen evolution reactions. <i>Chemical Engineering Journal</i> , 2021 , 405, 126732	14.7	20
116	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
115	Efficient and green synthesis of silver nanocomposite using guar gum for voltammetric determination of diphenylamine. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 1289-1302 ¹	3.2 ¹	3
114	Electrochemical sensors for β -adrenoceptor agonist isoprenaline analysis in human urine and serum samples using manganese cobalt oxide-modified glassy carbon electrode. <i>New Journal of Chemistry</i> , 2021 , 45, 9084-9095	3.6	2
113	Bismuth molybdate incorporated functionalized carbon nanofiber as an electrocatalytic tool for the pinpoint detection of organic pollutant in life samples. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111828	7	4
112	2D-Titanium carbide MXene/RGO composite modified electrode for selective detection of carcinogenic residue furazolidone in food and biological samples. <i>Materials Letters</i> , 2021 , 297, 129979	3.3	4
111	Construction of metal-free oxygen-doped graphitic carbon nitride as an electrochemical sensing platform for determination of antimicrobial drug metronidazole. <i>Applied Surface Science</i> , 2021 , 556, 149814	6.7	9
110	Simple strategy synthesis of manganese cobalt oxide anchored on graphene oxide composite as an efficient electrocatalyst for hazardous 4-nitrophenol detection in toxic tannery waste. <i>Microchemical Journal</i> , 2021 , 168, 106514	4.8	6
109	Facile solvothermal synthesis of ultrathin spinel ZnMn ₂ O ₄ nanospheres: An efficient electrocatalyst for in vivo and in vitro real time monitoring of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2021 , 900, 115674	4.1	4
108	Ultrasound assisted synthesis of silver titanate for the differential pulse voltammetric determination of antibiotic drug metronidazole. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 134, 114865	3	1
107	Deep eutectic solvents synthesis of perovskite type cerium aluminate embedded carbon nitride catalyst: High-sensitive amperometric platform for sensing of glucose in biological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 102, 312-320	6.3	10
106	Facile one-step synthesis of Ni@CeO ₂ nanoparticles towards high performance voltammetric sensing of antipsychotic drug trifluoperazine. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160682	5.7	5
105	Porous-coral-like cerium doped tungsten oxide/graphene oxide micro balls: A robust electrochemical sensing platform for the detection of antibiotic residue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127275	5.1	9
104	Facile synthesis of ultrathin NiSnO ₃ nanoparticles for enhanced electrochemical detection of an antibiotic drug in water bodies and biological samples. <i>New Journal of Chemistry</i> , 2020 , 44, 10604-10612 ^{3.6}	3.6	6
103	Ultrasound supported synthesis of tantalum carbide integrated functionalized carbon composite for the voltammetric determination of the antibacterial drug nitrofurantoin in pharmaceutical samples. <i>Mikrochimica Acta</i> , 2020 , 187, 342	5.8	7
102	Defects engineered 2D ultrathin cobalt hydroxide nanosheets as highly efficient electrocatalyst for non-enzymatic electrochemical sensing of glucose and l-cysteine. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128374	8.5	26
101	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
100	Protein-Supported RuO Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular HO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14876-14883	9.5	24

99	Enhanced sensing of hazardous 4-nitrophenol by a graphene oxide/TiO ₂ composite: environmental pollutant monitoring applications. <i>New Journal of Chemistry</i> , 2020 , 44, 4590-4603	3.6	22
98	Solid-state thiolate-stabilized copper nanoclusters with ultrahigh photoluminescence quantum yield for white light-emitting devices. <i>Nanoscale</i> , 2020 , 12, 15791-15799	7.7	12
97	Cobalt-tungsten diselenide-supported nickel foam as a battery-type positive electrode for an asymmetric supercapacitor device: comparison with various MWSe (M = Ni, Cu, Zn, and Mn) on the structural and capacitance characteristics. <i>Nanoscale</i> , 2020 , 12, 15752-15766	7.7	8
96	One-pot cascade catalysis at neutral pH driven by CuO tandem nanozyme for ascorbic acid and alkaline phosphatase detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128511	8.5	17
95	6-Aza-2-Thio-Thymine Stabilized Gold Nanoclusters as Photoluminescent Probe for Protein Detection. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
94	The facile co-precipitation synthesis of strontium tungstate anchored on a boron nitride (SrWO ₄ /BN) composite as a promising electrocatalyst for pharmaceutical drug analysis. <i>New Journal of Chemistry</i> , 2020 , 44, 2489-2499	3.6	15
93	Highly sensitive electrochemical sensor based on carbon-rich graphitic carbon nitride as an electrocatalyst for the detection of diphenylamine. <i>Microchemical Journal</i> , 2020 , 159, 105587	4.8	4
92	Platinum group element-based nanozymes for biomedical applications: An overview. <i>Biomedical Materials (Bristol)</i> , 2020 ,	3.5	3
91	A straightforward ultrasonic-assisted synthesis of zinc sulfide for supersensitive detection of carcinogenic nitrite ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127387	8.5	18
90	Hierarchical construction and characterization of lanthanum molybdate nanospheres as an unassailable electrode material for electrocatalytic sensing of the antibiotic drug nitrofurantoin. <i>New Journal of Chemistry</i> , 2020 , 44, 46-54	3.6	21
89	Electrochemical reduction of Procardia drug with aid of silver phosphate/strontium phosphate nanoparticles (AgP/SrP NPs) modified glassy carbon electrode. <i>Microchemical Journal</i> , 2020 , 159, 105565	4.8	9
88	Amorphous cobalt boride nanosheets anchored surface-functionalized carbon nanofiber: An bifunctional and efficient catalyst for electrochemical sensing and oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 318-331	9.3	17
87	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
86	Osmium nanozyme as peroxidase mimic with high performance and negligible interference of O ₂ . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25226-25234	13	19
85	Bimetallic AgAu decorated MWCNTs enable robust nonenzyme electrochemical sensors for in-situ quantification of dopamine and H ₂ O ₂ biomarkers expelled from PC-12 cells. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114554	4.1	8
84	A sensitive and high-performance electrochemical detection of nitrite in water samples based on Sonochemical synthesized Strontium Ferrite Nanochain architectures. <i>Electrochimica Acta</i> , 2020 , 360, 136797	6.7	15
83	FeMn layered double hydroxides: an efficient bifunctional electrocatalyst for real-time tracking of cysteine in whole blood and dopamine in biological samples. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8249-8260	7.3	6
82	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H ₂ O ₂ secreted from live cells. <i>New Journal of Chemistry</i> , 2020 , 44, 14050-14059	3.6	10

81	Platelet-structured strontium titanate perovskite decorated on graphene oxide as a nanocatalyst for electrochemical determination of neurotransmitter dopamine. <i>New Journal of Chemistry</i> , 2020 , 44, 18431-18441	3.6	6
80	Synthesis and characterization of bimetallic nickel-cobalt chalcogenides (NiCoSe ₂ , NiCo ₂ S ₄ , and NiCo ₂ O ₄) for non-enzymatic hydrogen peroxide sensor and energy storage: Electrochemical properties dependence on the metal-to-chalcogen composition. <i>Renewable Energy</i> , 2019 , 138, 139-151	8.1	36
79	Electrochemical detection of toxic anti-scald agent diphenylamine using oxidized carbon nanofiber encapsulated titanium carbide electrocatalyst. <i>Journal of Hazardous Materials</i> , 2019 , 368, 760-770	12.8	19
78	Simple sonochemical synthesis of lanthanum tungstate (La(WO)) nanoparticles as an enhanced electrocatalyst for the selective electrochemical determination of anti-scald-inhibitor diphenylamine. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104647	8.9	17
77	N-doped carbon quantum dots @ hexagonal porous copper oxide decorated multiwall carbon nanotubes: A hybrid composite material for an efficient ultra-sensitive determination of caffeic acid. <i>Composites Part B: Engineering</i> , 2019 , 174, 106973	10	27
76	One pot synthesis of nanospheres-like trimetallic NiFeCo nanoalloy: A superior electrocatalyst for electrochemical sensing of hydrazine in water bodies. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126620	8.5	22
75	Facile, low-temperature synthesis of tungsten carbide (WC) flakes for the sensitive and selective electrocatalytic detection of dopamine in biological samples. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2024-2034	6.8	18
74	Hierarchical multi-layered molybdenum carbide encapsulated oxidized carbon nanofiber for selective electrochemical detection of antimicrobial agents: inter-connected path in multi-layered structure for efficient electron transfer. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1680-1693	6.8	16
73	Voltammetric determination of vitamin B by using a highly porous carbon electrode modified with palladium-copper nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 299	5.8	20
72	Ultrasound-induced radicals initiated the formation of inorganic-organic PrO/polystyrene hybrid composite for electro-oxidative determination of chemotherapeutic drug methotrexate. <i>Ultrasonics Sonochemistry</i> , 2019 , 56, 410-421	8.9	8
71	Transition-Metal-Doped Molybdenum Diselenides with Defects and Abundant Active Sites for Efficient Performances of Enzymatic Biofuel Cell and Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18483-18493	9.5	32
70	Biocompatible chitosan-pectin polyelectrolyte complex for simultaneous electrochemical determination of metronidazole and metribuzin. <i>Carbohydrate Polymers</i> , 2019 , 214, 317-327	10.3	22
69	Facile Synthesis of Spinel-Type Copper Cobaltite Nanoplates for Enhanced Electrocatalytic Detection of Acetylcholine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7642-7651	8.3	24
68	Bimetallic vanadium cobalt diselenide nanosheets with additional active sites for excellent asymmetric pseudocapacitive performance: comparing the electrochemical performances with MCoSe ₂ (M = Zn, Mn, and Cu). <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12565-12581	13	48
67	Cobalt molybdenum sulfide decorated with highly conductive sulfur-doped carbon as an electrocatalyst for the enhanced activity of hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9164-9173	6.7	18
66	Enzyme-free electrocatalytic sensing of hydrogen peroxide using a glassy carbon electrode modified with cobalt nanoparticle-decorated tungsten carbide. <i>Mikrochimica Acta</i> , 2019 , 186, 265	5.8	17
65	Simplistic synthesis of ultrafine CoMnO nanosheets: An excellent electrocatalyst for highly sensitive detection of toxic 4-nitrophenol in environmental water samples. <i>Journal of Hazardous Materials</i> , 2019 , 361, 123-133	12.8	62
64	Ultrasensitive non-enzymatic electrochemical sensing of glucose in noninvasive samples using interconnected nanosheets-like NiMnO ₃ as a promising electrocatalyst. <i>Sensors and Actuators B: Chemical</i> , 2019 , 299, 126974	8.5	23

63	Electrochemical sensing of anti-inflammatory agent in paramedical sample based on FeMoSe modified SPCE: Comparison of various preparation methods and morphological effects. <i>Analytica Chimica Acta</i> , 2019 , 1083, 88-100	6.6	8
62	Simple hydrothermal synthesis of defective CeMoSe ₂ dendrites as an effective electrocatalyst for the electrochemical sensing of 4-nitrophenol in water samples. <i>New Journal of Chemistry</i> , 2019 , 43, 17200-17210	3.6	10
61	Sonochemical synthesis of molybdenum oxide (MoO) microspheres anchored graphitic carbon nitride (g-CN) ultrathin sheets for enhanced electrochemical sensing of Furazolidone. <i>Ultrasonics Sonochemistry</i> , 2019 , 50, 96-104	8.9	47
60	Rational Design of 2O Nanospheres Anchored B, N Co-doped Mesoporous Carbon: A Sustainable Electrocatalyst To Assay Eminent Neurotransmitters Acetylcholine and Dopamine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5669-5680	8.3	34
59	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
58	Facile synthesis of hierarchically nanostructured bismuth vanadate: An efficient photocatalyst for degradation and detection of hexavalent chromium. <i>Journal of Hazardous Materials</i> , 2019 , 367, 647-657	12.8	42
57	A high-performance fluorescent probe for dopamine detection based on g-CN nanofibers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 212, 300-307	4.4	18
56	Synthesis of BixMoyOz/BiaWbOc nanocomposite by pH tuning with high electrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 832, 303-310	4.1	5
55	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
54	A novel, efficient electrochemical sensor for the detection of isoniazid based on the B/N doped mesoporous carbon modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 613-620	8.5	25
53	Ultrasonic energy-assisted preparation of Cyclodextrin-carbon nanofiber composite: Application for electrochemical sensing of nitrofurantoin. <i>Ultrasonics Sonochemistry</i> , 2019 , 52, 391-400	8.9	27
52	Ultrasound-assisted synthesis of two-dimensional layered ytterbium substituted molybdenum diselenide nanosheets with excellent electrocatalytic activity for the electrochemical detection of diphenylamine anti-scald agent in fruit extract. <i>Ultrasonics Sonochemistry</i> , 2019 , 50, 265-277	8.9	18
51	A new electrochemical sensor for highly sensitive and selective detection of nitrite in food samples based on sonochemical synthesized Calcium Ferrite (CaFeO) clusters modified screen printed carbon electrode. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 417-426	9.3	54
50	One-step sonochemical synthesis of 1D Bismuth tungstate nanorods: An efficient and excellent electrocatalyst for the selective electrochemical detection of antipsychotic drug chlorpromazine. <i>Ultrasonics Sonochemistry</i> , 2018 , 44, 231-239	8.9	35
49	Entrapment of bimetallic CoFeSe nanosphere on functionalized carbon nanofiber for selective and sensitive electrochemical detection of caffeic acid in wine samples. <i>Analytica Chimica Acta</i> , 2018 , 1006, 22-32	6.6	37
48	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
47	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
46	Electrochemical synthesis of nitrogen-doped carbon quantum dots decorated copper oxide for the sensitive and selective detection of non-steroidal anti-inflammatory drug in berries. <i>Journal of Colloid and Interface Science</i> , 2018 , 523, 191-200	9.3	32

45	Hydrothermal Synthesis of CrSe Hexagons for Sensitive and Low-level Detection of 4-Nitrophenol in Water. <i>Scientific Reports</i> , 2018 , 8, 4839	4.9	9
44	Hexamine 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
43	Electrochemical synthesis of poly(3,4-ethylenedioxythiophene) on terbium hexacyanoferrate for sensitive determination of tartrazine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 195-203	8.5	26
42	Fabrication of europium doped molybdenum diselenide nanoflower based electrochemical sensor for sensitive detection of diphenylamine in apple juice. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 616-626	8.5	32
41	Voltammetric sensing of sulfamethoxazole using a glassy carbon electrode modified with a graphitic carbon nitride and zinc oxide nanocomposite. <i>Mikrochimica Acta</i> , 2018 , 185, 396	5.8	30
40	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
39	In situ assembly of sulfur-doped carbon quantum dots surrounded iron(III) oxide nanocomposite; a novel electrocatalyst for highly sensitive detection of antipsychotic drug olanzapine. <i>Journal of Molecular Liquids</i> , 2018 , 268, 471-480	6	16
38	A new type of terbium diselenide nano octagon integrated oxidized carbon nanofiber: An efficient electrode material for electrochemical detection of morin in the food sample. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 354-367	8.5	28
37	Synthesis and Characterization of Samarium-Substituted Molybdenum Diselenide and Its Graphene Oxide Nanohybrid for Enhancing the Selective Sensing of Chloramphenicol in a Milk Sample. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29712-29723	9.5	34
36	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
35	Amperometric sensing of nitrite at nanomolar concentrations by using carboxylated multiwalled carbon nanotubes modified with titanium nitride nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 186, 8	5.8	24
34	Synthesis of rose like structured LaCoO ₃ assisted functionalized carbon nanofiber nanocomposite for efficient electrochemical detection of anti-inflammatory drug 4-aminoantipyrine. <i>Electrochimica Acta</i> , 2018 , 260, 571-581	6.7	24
33	A highly conducting flower like Au nanoparticles interconnected functionalized CNFs and its enhanced electrocatalytic activity towards hydrazine through direct electron transfer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 64-74	5.3	13
32	Facile Solvothermal Preparation of MnCuO Microspheres: Excellent Electrocatalyst for Real-Time Detection of HO Released from Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43543-43559	9.5	46
31	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
30	Synthesis of Two-Dimensional Sr-Doped MoSe ₂ Nanosheets and Their Application for Efficient Electrochemical Reduction of Metronidazole. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12474-12484	3.8	22
29	Synthesis and characterization of manganese diselenide nanoparticles (MnSeNPs): Determination of capsaicin by using MnSeNP-modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2018 , 185, 313	5.8	10
28	Development of novel 3D flower-like praseodymium molybdate decorated reduced graphene oxide: An efficient and selective electrocatalyst for the detection of acetylcholinesterase inhibitor methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 353-361	8.5	26

27	Sol-Gel Synthesis of Carbon-Coated LaCoO ₃ for Effective Electrocatalytic Oxidation of Salicylic Acid. <i>ChemElectroChem</i> , 2017 , 4, 935-940	4.3	18
26	A facile low-temperature synthesis of V ₂ O ₅ flakes for electrochemical detection of hydrogen peroxide sensor. <i>Ionics</i> , 2017 , 23, 2193-2200	2.7	12
25	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
24	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
23	A facile graphene oxide based sensor for electrochemical detection of prostate anti-cancer (anti-testosterone) drug flutamide in biological samples. <i>RSC Advances</i> , 2017 , 7, 25702-25709	3.7	53
22	Novel Bifunctional Electrocatalyst for ORR Activity and Methyl Parathion Detection Based on Reduced Graphene Oxide/Palladium Tetraphenylporphyrin Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 14096-14107	3.8	25
21	Sonochemical Synthesis of Sulfur Doped Reduced Graphene Oxide Supported CuS Nanoparticles for the Non-Enzymatic Glucose Sensor Applications. <i>Scientific Reports</i> , 2017 , 7, 2494	4.9	103
20	A voltammetric determination of caffeic acid in red wines based on the nitrogen doped carbon modified glassy carbon electrode. <i>Scientific Reports</i> , 2017 , 7, 45924	4.9	51
19	Evaluation of a new electrochemical sensor for selective detection of non-enzymatic hydrogen peroxide based on hierarchical nanostructures of zirconium molybdate. <i>Journal of Colloid and Interface Science</i> , 2017 , 500, 44-53	9.3	28
18	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
17	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
16	Two-dimensional metal chalcogenides analogous NiSe nanosheets and its efficient electrocatalytic performance towards glucose sensing. <i>Journal of Colloid and Interface Science</i> , 2017 , 507, 378-385	9.3	45
15	Optimized electrochemical synthesis of copper nanoparticles decorated reduced graphene oxide: Application for enzymeless determination of glucose in human blood. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 807, 128-136	4.1	16
14	Facile synthesis of orthorhombic strontium copper oxide microflowers for highly sensitive nonenzymatic detection of glucose in human blood. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 182-189	5.3	17
13	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
12	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
11	Studies on the influence of β -cyclodextrin on graphene oxide and its synergistic activity to the electrochemical detection of nitrobenzene. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 365-371	9.3	32
10	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

9	Flame synthesis of nitrogen doped carbon for the oxygen reduction reaction and non-enzymatic methyl parathion sensor. <i>RSC Advances</i> , 2016 , 6, 71507-71516	3.7	30
8	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
7	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
6	Novel hydrothermal synthesis of MoS ₂ nanocluster structure for sensitive electrochemical detection of human and environmental hazardous pollutant 4-aminophenol. <i>RSC Advances</i> , 2016 , 6, 40399-40407	3.7	47
5	High capacity supercapacitor material based on reduced graphene oxide loading mesoporous murdochite-type Ni ₆ MnO ₈ nanospheres. <i>Electrochimica Acta</i> , 2016 , 219, 284-294	6.7	18
4	Modern Approach to the Synthesis of Ni(OH) ₂ Decorated Sulfur Doped Carbon Nanoparticles for the Nonenzymatic Glucose Sensor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22545-53	9.5	86
3	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	13	128
2	Highly selective determination of cysteine using a composite prepared from multiwalled carbon nanotubes and gold nanoparticles stabilized with calcium crosslinked pectin. <i>Mikrochimica Acta</i> , 2015 , 182, 727-735	5.8	32
1	Surface engineering of gadolinium oxide nanoseeds with nitrogen-doped carbon quantum dots: an efficient nanocomposite for precise detection of antibiotic drug cloquinol. <i>New Journal of Chemistry</i> ,	3.6	2