

Ganesh Kesavan

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80
papers

1,236
citations

20
h-index

29
g-index

80
ext. papers

1,713
ext. citations

6.4
avg, IF

5.74
L-index

#	Paper	IF	Citations
80	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
79	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
78	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
77	Design of novel 3D flower-like neodymium molybdate: An efficient and challenging catalyst for sensing and destroying pulmonary toxicity antibiotic drug nitrofurantoin. <i>Chemical Engineering Journal</i> , 2018 , 346, 11-23	14.7	44
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	Chitosan-gold collapse gel/poly (bromophenol blue) redox-active film. A perspective for selective electrochemical sensing of flutamide. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 759-770	7.9	23
68	Biocompatible chitosan-pectin polyelectrolyte complex for simultaneous electrochemical determination of metronidazole and metribuzin. <i>Carbohydrate Polymers</i> , 2019 , 214, 317-327	10.3	22
67	Hydrothermal synthesis of NiFe ₂ O ₄ nanoparticles as an efficient electrocatalyst for the electrochemical detection of bisphenol A. <i>New Journal of Chemistry</i> , 2020 , 44, 7698-7707	3.6	22
66	Sonochemically exfoliated graphitic-carbon nitride for the electrochemical detection of flutamide in environmental samples. <i>Diamond and Related Materials</i> , 2020 , 108, 107975	3.5	22
65	Gold Nanoparticle Embedded on a Reduced Graphene Oxide/polypyrrole Nanocomposite: Voltammetric Sensing of Furazolidone and Flutamide. <i>Langmuir</i> , 2020 , 36, 13949-13962	4	22
64	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

63	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
62	Ultrafine gold nanoparticle embedded poly(diallyldimethylammonium chloride)graphene oxide hydrogels for voltammetric determination of an antimicrobial drug (metronidazole). <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7575-7590	7.1	20
61	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
60	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
59	Broad band antireflective coatings using novel in-situ synthesis of hollow MgF ₂ nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 176, 259-265	6.4	19
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	Temperature-reversible switched antineoplastic drug 5-fluorouracil electrochemical sensor based on adaptable thermo-sensitive microgel encapsulated PEDOT. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127361	8.5	17
50	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
49	Efficient Electrochemical Detection of Lethal Environmental Pollutant Hydroquinone Based on Functionalized Carbon Black/Polytyramine/Gold Nanoparticles Nanocomposite. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B680-B689	3.9	16
48	Sonochemical synthesis of nickel-manganous oxide nanocrumbs decorated partially reduced graphene oxide for efficient electrochemical reduction of metronidazole. <i>Ultrasonics Sonochemistry</i> , 2020 , 68, 105176	8.9	16
47	Highly sensitive electrode materials for the voltammetric determination of nitrofurantoin based on zinc cobaltate nanosheets. <i>New Journal of Chemistry</i> , 2020 , 44, 12036-12047	3.6	15
46	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

45	Ultrasonication and hydrothermal assisted synthesis of cloud-like zinc molybdate nanospheres for enhanced detection of flutamide. <i>Ultrasonics Sonochemistry</i> , 2020 , 61, 104823	8.9	15
44	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
43	Electrochemical sensing of free radical antioxidant diphenylamine cations (DPAH ^{•+}) with carbon interlaced nanoflake-assembled Mg ₉ Ni ₉ S ₈ microspheres. <i>CrystEngComm</i> , 2019 , 21, 724-735	3.3	14
42	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
41	Reversibly switchable ruthenium hybrid thermo-responsive electrocatalyst-based voltammetric sensor for sensitive detection of sulfamethazine in milk samples. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128103	8.5	14
40	A Single-Step Electrochemical Preparation of Cadmium Sulfide Anchored ERGO/ECD Modified Screen-Printed Carbon Electrode for Sensitive and Selective Detection of Nitrite. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B690-B696	3.9	13
39	Evaluating Ternary Metal Oxide (TMO) core-shell nanocomposites for the rapid determination of the anti-neoplastic drug Chlorambucil (Leukeran [®]) by electrochemical approaches. <i>Materials Science and Engineering C</i> , 2019 , 103, 109724	8.3	13
38	One-pot sonochemical synthesis of marigold flower-like structured ruthenium doped bismuth sulfide for the highly sensitive detection of antipsychotic drug thioridazine in the human serum sample. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 111, 270-282	5.3	13
37	Nanomolar level detection of non-steroidal antiandrogen drug flutamide based on ZnMnO nanoparticles decorated porous reduced graphene oxide nanocomposite electrode. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124096	12.8	13
36	Room-temperature curable carbon cathode for hole-conductor free perovskite solar cells. <i>Solar Energy</i> , 2019 , 187, 261-268	6.8	12
35	Manganese oxide anchored on carbon modified halloysite nanotubes: An electrochemical platform for the determination of chloramphenicol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 615, 126243	5.1	10
34	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
33	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
32	Highly Selective Voltammetric Sensor for L-Tryptophan Using Composite-Modified Electrode Composed of CuSn(OH) ₆ Microsphere Decorated on Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25821-25834	3.8	8
31	In situ formation of CoO nanoparticles embedded N-doped porous carbon nanocomposite: a robust material for electrocatalytic detection of anticancer drug flutamide and supercapacitor application. <i>Mikrochimica Acta</i> , 2021 , 188, 196	5.8	8
30	High-performance catalytic strips assembled with BiOBr Nano-rose architectures for electrochemical and SERS detection of theophylline. <i>Chemical Engineering Journal</i> , 2021 , 425, 130616	14.7	8
29	Cadmium sulfide quantum dots anchored on reduced graphene oxide for the electrochemical detection of metronidazole. <i>New Journal of Chemistry</i> , 2021 , 45, 3022-3033	3.6	7
28	Highly sensitive manganese oxide/hexagonal boron nitride nanocomposite: An efficient electrocatalyst for the detection of anti-cancer drug flutamide. <i>Microchemical Journal</i> , 2021 , 163, 105906	4.8	6

27	Influence of Crystalline, Structural, and Electrochemical Properties of Iron Vanadate Nanostructures on Flutamide Detection. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5883-5894	5.6	6
26	Sonochemical synthesis of copper vanadate nanoparticles for the highly selective voltammetric detection of antibiotic drug ornidazole. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159019	5.7	6
25	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
24	Synthesis and characterization of iron-cobalt oxide/polypyrrole nanocomposite: An electrochemical sensing platform of anti-prostate cancer drug flutamide in human urine and serum samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127367	5.1	6
23	Synthesis and Characterization of Hexagonal Prism like Zinc Oxide for Electrochemical Determination of Gallic Acid in Wine Samples. <i>International Journal of Electrochemical Science</i> , 2019 , 4769-4780	2.2	5
22	Simple sonochemical synthesis of flake-ball shaped bismuth vanadate for voltammetric detection of furazolidone. <i>Journal of Alloys and Compounds</i> , 2021 , 895, 162315	5.7	4
21	High-performance electrochemical sensing of hazardous pesticide Paraoxon using BiVO nano dendrites equipped catalytic strips. <i>Chemosphere</i> , 2021 , 132511	8.4	4
20	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
19	Sonochemical-assisted synthesis of zinc vanadate microstructure for electrochemical determination of metronidazole. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9377-9391 ^{2,1}		4
18	Temperature-responsive voltammetric sensor based on stimuli-sensitive semi-interpenetrating polymer network conductive microgels for reversible switch detection of nitrogen mustard analog chlorambucil (Leukeran). <i>Electrochimica Acta</i> , 2021 , 374, 137866	6.7	4
17	Highly selective voltammetric detection of antipsychotic drug thioridazine hydrochloride based on NiO@Gd ₂ O ₃ modified screen printed carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115535	4.1	4
16	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
15	Simple construction of GdBiVO ₄ assembled on reduced graphene oxide for selective and sensitive electrochemical detection of chloramphenicol in food samples. <i>New Journal of Chemistry</i> ,	3.6	2
14	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
13	Carbon-modified kaolin clay using sugar dehydration technique for the electrochemical detection of quercetin. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 21670-21681	2.1	2
12	Development of an electrochemical sensor based on a cobalt oxide/tin oxide composite for determination of antibiotic drug ornidazole. <i>New Journal of Chemistry</i> , 2021 , 45, 12593-12605	3.6	2
11	Polyol-assisted synthesis of spinel-type magnesium cobalt oxide nanochains for voltammetric determination of the antipsychotic drug thioridazine. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 898, 115600	4.1	2
10	Electrochemical determination of quercetin using glassy carbon electrode modified with WS/GdCoO nanocomposite.. <i>Mikrochimica Acta</i> , 2022 , 189, 118	5.8	2

9	Fabricating BiOI nanostructures armed catalytic strips for selective electrochemical and SERS detection of pesticide in polluted water.. <i>Environmental Pollution</i> , 2021 , 296, 118754	9.3	1
8	Facile synthesis of neodymium stannate nanoparticles an effective electrocatalyst for the selective detection of dimetridazole in biological samples. <i>Analytica Chimica Acta</i> , 2022 , 1190, 339234	6.6	1
7	Ambient condition curable, highly weather stable anti-soiling coating for photovoltaic application. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 230, 111203	6.4	1
6	Hydrothermal synthesis of iron vanadate nanoparticles for voltammetric detection of antipsychotic drug thioridazine. <i>Journal of Alloys and Compounds</i> , 2021 , 885, 160880	5.7	1
5	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
4	Designing of cerium-doped bismuth vanadate nanorods/functionalized-MWCNT nanocomposite for the high toxicity of 4-cyanophenol herbicide detection in human urine sample. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 639, 128371	5.1	0
3	Graphitic carbon nitride nanosheets incorporated with polypyrrole nanocomposite: A sensitive metal-free electrocatalyst for determination of antibiotic drug nitrofurantoin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 629, 127433	5.1	0
2	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
1	Graphitic carbon nitride for electrocatalysis 2022 , 193-224		