

Ganesh Kesavan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4344561/ganesh-kesavan-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.

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	Graphitic carbon nitride for electrocatalysis 2022 , 193-224		
79	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
78	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
77	Electrochemical determination of quercetin using glassy carbon electrode modified with WS/GdCoO nanocomposite.. <i>Mikrochimica Acta</i> , 2022 , 189, 118	5.8	2
76	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
75	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
74	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
73	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
72	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
71	High-performance electrochemical sensing of hazardous pesticide Paraoxon using BiVO nano dendrites equipped catalytic strips. <i>Chemosphere</i> , 2021 , 132511	8.4	4
70	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 ²¹		4
69	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
68	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
67	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
66	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
65	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
64	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

63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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

45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	Electrochemical sensing of free radical antioxidant diphenylamine cations (DPAH [•]) with carbon interlaced nanoflake-assembled Mg ₂ Ni ₉ S ₈ microspheres. <i>CrystEngComm</i> , 2019 , 21, 724-735	3.3	14

27	Room-temperature curable carbon cathode for hole-conductor free perovskite solar cells. <i>Solar Energy</i> , 2019 , 187, 261-268	6.8	12
26	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
25	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
24	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
23	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
22	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
21	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
20	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 , 14, 4769-4780	2.2	5
19	Biocompatible chitosan-pectin polyelectrolyte complex for simultaneous electrochemical determination of metronidazole and metribuzin. <i>Carbohydrate Polymers</i> , 2019 , 214, 317-327	10.3	22
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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

9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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	3.3	128
1	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