

Veerappan Mani

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2757112/veerappan-mani-publications-by-year.pdf>

Version: 2024-04-25

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.

86

papers

3,393

citations

33

h-index

56

g-index

89

ext. papers

3,871

ext. citations

5.5

avg. IF

5.84

L-index

#	Paper	IF	Citations
86	Inherent Surface Activation of Laser-Scribed Graphene Decorated with Au and Ag Nanoparticles: Simultaneous Electrochemical Behavior toward Uric Acid and Dopamine. <i>Langmuir</i> , 2021 , 37, 13890-13902	4.1	3
85	Rational construction of novel strontium hexaferrite decorated graphitic carbon nitrides for highly sensitive detection of neurotoxic organophosphate pesticide in fruits. <i>Electrochimica Acta</i> , 2021 , 371, 137756	6.7	16
84	Design and Fabrication of Yttrium Ferrite Garnet-Embedded Graphitic Carbon Nitride: A Sensitive Electrocatalyst for Smartphone-Enabled Point-of-Care Pesticide (Mesotrione) Analysis in Food Samples. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24865-24876	9.5	11
83	Ultrasonic synthesis of bismuth-organic framework intercalated carbon nanofibers: A dual electrocatalyst for trace-level monitoring of nitro hazards. <i>Electrochimica Acta</i> , 2021 , 381, 138280	6.7	4
82	Anti-poisoning electrode for real-time in-situ monitoring of hydrogen sulfide release. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128844	8.5	5
81	Gd doped molybdenum selenide/carbon nanofibers: an excellent electrocatalyst for monitoring endogenous H ₂ S. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2871-2879	6.8	1
80	Electrochemical sensors targeting salivary biomarkers: A comprehensive review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116164	14.6	37
79	Binary transition metal oxide modified laser-scribed graphene electrochemical aptasensor for the accurate and sensitive screening of acute myocardial infarction. <i>Electrochimica Acta</i> , 2021 , 386, 138489	6.7	9
78	Surfactant-induced morphological evolution of Cu(II) metal organic frameworks: Applicable in picomolar quantification of bilirubin. <i>Applied Surface Science</i> , 2021 , 557, 149827	6.7	2
77	Laser-scribed graphene sensor based on gold nanostructures and molecularly imprinted polymers: Application for Her-2 cancer biomarker detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 347, 130556	8.5	8
76	Simple and selective optical biosensor using Ultrasonicator synthesis of 5-((anthracen-9-ylmethylene) amino)-2,3-dihydrophthalazine-1,4-dione for direct detection of ascorbic acid in vegetables and fruits. <i>Food Chemistry</i> , 2020 , 332, 127150	8.5	4
75	Sonochemical synthesis and fabrication of perovskite type calcium titanate interfacial nanostructure supported on graphene oxide sheets as a highly efficient electrocatalyst for electrochemical detection of chemotherapeutic drug. <i>Ultrasonics Sonochemistry</i> , 2020 , 69, 105242	8.9	14
74	Growth of large-scale MoS nanosheets on double layered ZnCoO for real-time HS monitoring in live cells. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7453-7465	7.3	12
73	Rapid One-Pot Synthesis of Polydopamine Encapsulated Carbon Anchored with Au Nanoparticles: Versatile Electrocatalysts for Chloramphenicol and Folic Acid Sensors. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
72	Real-time quantification of hydrogen peroxide production in living cells using NiCo ₂ S ₄ @CoS ₂ heterostructure. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 124-130	8.5	30
71	ZnCo ₂ O ₄ Nanoflowers Grown on Co ₃ O ₄ Nanowire-Decorated Cu Foams for in Situ Profiling of H ₂ O ₂ in Live Cells and Biological Media. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5049-5060	5.6	20
70	A composite film prepared from titanium carbide TiCT (MXene) and gold nanoparticles for voltammetric determination of uric acid and folic acid. <i>Mikrochimica Acta</i> , 2019 , 187, 33	5.8	25

69	Bisintercalating DNA redox reporters for real-time electrochemical qLAMP. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 277-283	11.8	5
68	Bismuth nanoparticles decorated graphenated carbon nanotubes modified screen-printed electrode for mercury detection. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 95, 466-474	5.3	50
67	One-Pot Biosynthesis of Reduced Graphene Oxide/Prussian Blue Microcubes Composite and Its Sensitive Detection of Prophylactic Drug Dimetridazole. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B27-B33	3.9	27
66	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
65	A new organic redox species-indole tetraone trapped MWCNT modified electrode prepared by in-situ electrochemical oxidation of indole for a bifunctional electrocatalysis and simultaneous flow injection electroanalysis of hydrazine and hydrogen peroxide. <i>Electrochimica Acta</i> , 2018 , 268, 150-162	6.7	15
64	Real-time tracking and quantification of endogenous hydrogen peroxide production in living cells using graphenated carbon nanotubes supported Prussian blue cubes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 220-227	8.5	35
63	Axial Coordination Site-Turned Surface Confinement, Electron Transfer, and Bio-Electrocatalytic Applications of a Hemin Complex on Graphitic Carbon Nanomaterial-Modified Electrodes. <i>ACS Omega</i> , 2018 , 3, 5435-5444	3.9	11
62	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
61	Methyl parathion detection in vegetables and fruits using silver@graphene nanoribbons nanocomposite modified screen printed electrode. <i>Scientific Reports</i> , 2017 , 7, 46471	4.9	119
60	Electrochemical latent redox ratiometric probes for real-time tracking and quantification of endogenous hydrogen sulfide production in living cells. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 233-238	11.8	44
59	Label-free electrochemical detection of neuraminidase activity: A facile whole blood diagnostic probe for infectious diseases. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 641-648	8.5	8
58	Nanocomposites composed of layered molybdenum disulfide and graphene for highly sensitive amperometric determination of methyl parathion. <i>Mikrochimica Acta</i> , 2017 , 184, 725-733	5.8	76
57	Determination of Non-Steroidal Anti-Inflammatory Drug (NSAID) Azathioprine in Human Blood Serum and Tablet Samples Using Multi-Walled Carbon Nanotubes (MWCNTs) Decorated Manganese Oxide Microcubes Composite Film Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2017 , 7446-7456	2.2	11
56	Highly Sensitive Determination of Folic Acid Using Graphene Oxide Nanoribbon Film Modified Screen Printed Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2017 , 475-484	2.2	14
55	Determination of Folic Acid Using Graphene/Molybdenum Disulfide Nanosheets/Gold Nanoparticles Ternary Composite. <i>International Journal of Electrochemical Science</i> , 2017 , 258-267	2.2	21
54	Synthesis of robust electrochemical substrate and fabrication of immobilization free biosensors for rapid sensing of salicylate and ̢-hydroxybutyrate in whole blood. <i>Analytica Chimica Acta</i> , 2017 , 990, 78-83	6.6	4
53	Core-shell heterostructured multiwalled carbon nanotubes@reduced graphene oxide nanoribbons/chitosan, a robust nanobiocomposite for enzymatic biosensing of hydrogen peroxide and nitrite. <i>Scientific Reports</i> , 2017 , 7, 11910	4.9	86
52	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

51	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
50	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
49	3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 773-783	8.5	95
48	Graphene Oxide Nanoribbons Film Modified Screen-Printed Carbon Electrode for Real-Time Detection of Methyl Parathion in Food Samples. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B403-B408	3.0	39
47	Screen-printed electrode modified with a composite prepared from graphene oxide nanosheets and Mn ₃ O ₄ microcubes for ultrasensitive determination of nitrite. <i>Mikrochimica Acta</i> , 2017 , 184, 3625-3634	5.8	52
46	Molybdenum disulfide nanosheets coated multiwalled carbon nanotubes composite for highly sensitive determination of chloramphenicol in food samples milk, honey and powdered milk. <i>Journal of Colloid and Interface Science</i> , 2017 , 485, 129-136	9.3	116
45	Fabrication of Flexible and Efficient Dye Sensitized Solar Cells Using Modified TiO ₂ Electrode at Low-Temperature Annealing Process. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017 , 12, 872-879	1.3	2
44	A switchable electrochemical redox ratiometric substrate based on ferrocene for highly selective and sensitive fluoride detection. <i>RSC Advances</i> , 2016 , 6, 71727-71732	3.7	16
43	Design of controlled multi-probe coupled assay via bioinspired signal amplification approach for mercury detection. <i>RSC Advances</i> , 2016 , 6, 58485-58492	3.7	8
42	A Sensitive Ratiometric Long-Wavelength Fluorescent Probe for Selective Determination of Cysteine/Homocysteine. <i>Journal of Fluorescence</i> , 2016 , 26, 1489-95	2.4	7
41	Designing anthraquinone-pyrrole redox intercalating probes for electrochemical gene detection. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 294-9	11.8	5
40	Electrochemical Study of Nitrobenzene Reduction Using Potentiostatic Preparation of nephrolepis Leaf Like Silver Microstructure. <i>International Journal of Electrochemical Science</i> , 2016 , 6164-6172	2.2	10
39	Sensitive and Selective Determination of Uric Acid Using Polyaniline and Iron Composite Film Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2016 , 8730-8737	2.2	11
38	Polyaniline/nickel Composite Film Modified Electrode for Sensitive Electrochemical Determination of Ascorbic Acid. <i>International Journal of Electrochemical Science</i> , 2016 , 10806-10814	2.2	11
37	Highly Sensitive Amperometric Sensor for Nitrobenzene Detection Using Functionalized Multiwalled-Carbon Nanotubes Modified Screen Printed Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2016 , 10837-10846	2.2	5
36	MoS ₂ Flowers Grown on Graphene/Carbon Nanotubes: a Versatile Substrate for Electrochemical Determination of Hydrogen Peroxide. <i>International Journal of Electrochemical Science</i> , 2016 , 2954-2961	2.2	31
35	Electropolymerization of cobalt tetraamino-phthalocyanine at reduced graphene oxide for electrochemical determination of cysteine and hydrazine. <i>RSC Advances</i> , 2016 , 6, 38463-38469	3.7	27
34	Green synthesized gold nanoparticles decorated graphene oxide for sensitive determination of chloramphenicol in milk, powdered milk, honey and eye drops. <i>Journal of Colloid and Interface Science</i> , 2016 , 475, 46-56	9.3	99

33	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	83
32	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
31	Enzymatic glucose biosensor based on bismuth nanoribbons electrochemically deposited on reduced graphene oxide. <i>Mikrochimica Acta</i> , 2015 , 182, 2165-2172	5.8	15
30	A simple electrochemical platform based on pectin stabilized gold nanoparticles for picomolar detection of biologically toxic amitrole. <i>Analyst, The</i> , 2015 , 140, 5764-71	5	22
29	A new electrochemical substrate for rapid and sensitive in vivo monitoring of β -galactosidase gene expressions. <i>Analyst, The</i> , 2015 , 140, 6040-6	5	10
28	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
27	Glucose biosensor based on glucose oxidase immobilized at gold nanoparticles decorated graphene-carbon nanotubes. <i>Enzyme and Microbial Technology</i> , 2015 , 78, 40-5	3.8	96
26	An Amperometric Biological Toxic Hydrazine Sensor Based on Multiwalled Carbon Nanotubes and Iron Tetrasulfonated Phthalocyanine Composite Modified Electrode. <i>Electroanalysis</i> , 2015 , 27, 1403-1410	3	13
25	Electrodeposition of copper nanoparticles using pectin scaffold at graphene nanosheets for electrochemical sensing of glucose and hydrogen peroxide. <i>Electrochimica Acta</i> , 2015 , 176, 804-810	6.7	84
24	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
23	Design and synthesis of ultrasensitive off-on fluoride detecting fluorescence probe via autoinductive signal amplification. <i>Analyst, The</i> , 2015 , 140, 346-52	5	38
22	Synthesis and characterization of graphene-cobalt phthalocyanines and graphene-iron phthalocyanine composites and their enzymatic fuel cell application. <i>Renewable Energy</i> , 2015 , 74, 867-874	8.1	45
21	Electrochemical OFF-ON ratiometric chemodosimeters for the selective and rapid detection of fluoride. <i>Talanta</i> , 2015 , 131, 121-6	6.2	14
20	Fabrication of Nickel Tetrasulfonated Phthalocyanine Functionalized Multiwalled Carbon Nanotubes on Activated Glassy Carbon Electrode for the Detection of Dopamine. <i>Electroanalysis</i> , 2015 , 27, 485-493	3	21
19	Potentiostatic Electrochemical Preparation of Bismuth Nanoribbons and its Application in Biologically Poisoning Lead and Cadmium Heavy Metal Ions Detection. <i>Electroanalysis</i> , 2015 , 27, 2341-2346	3.6	6
18	High-performance electrochemical amperometric sensors for the sensitive determination of phenyl urea herbicides diuron and fenuron. <i>Ionics</i> , 2015 , 21, 2675-2683	2.7	22
17	Highly selective amperometric sensor for the trace level detection of hydrazine at bismuth nanoparticles decorated graphene nanosheets modified electrode. <i>Talanta</i> , 2014 , 124, 43-51	6.2	97
16	Direct electrochemistry of myoglobin at reduced graphene oxide-multiwalled carbon nanotubes-platinum nanoparticles nanocomposite and biosensing towards hydrogen peroxide and nitrite. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 420-7	11.8	130

15	Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. <i>Talanta</i> , 2014 , 120, 148-57	6.2	82
14	Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. <i>RSC Advances</i> , 2014 , 4, 55900-55907	3.7	30
13	Direct electrochemistry of cytochrome c immobilized on a graphene oxide/carbon nanotube composite for picomolar detection of hydrogen peroxide. <i>RSC Advances</i> , 2014 , 4, 28229-28237	3.7	53
12	The Immobilization of Glucose Oxidase at Manganese Dioxide Particles-Decorated Reduced Graphene Oxide Sheets for the Fabrication of a Glucose Biosensor. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15582-15589	3.9	36
11	Immobilization of glucose oxidase on graphene and cobalt phthalocyanine composite and its application for the determination of glucose. <i>Enzyme and Microbial Technology</i> , 2014 , 66, 60-6	3.8	45
10	A rapid fluorescence detecting platform: applicable to sense carnitine and chloramphenicol in food samples. <i>RSC Advances</i> , 2014 , 4, 64112-64118	3.7	14
9	Highly stable and sensitive amperometric sensor for the determination of trace level hydrazine at cross linked pectin stabilized gold nanoparticles decorated graphene nanosheets. <i>Electrochimica Acta</i> , 2014 , 135, 260-269	6.7	72
8	Iron nanoparticles decorated graphene-multiwalled carbon nanotubes nanocomposite-modified glassy carbon electrode for the sensitive determination of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 1015-1023	2.6	43
7	Simultaneous electrochemical determination of dopamine and paracetamol on multiwalled carbon nanotubes/graphene oxide nanocomposite-modified glassy carbon electrode. <i>Talanta</i> , 2013 , 117, 297-304	6.2	130
6	Nitrite determination at electrochemically synthesized polydiphenylamine-Pt composite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 887-892	8.5	36
5	Direct electrochemistry of glucose oxidase at electrochemically reduced graphene oxide-multiwalled carbon nanotubes hybrid material modified electrode for glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 309-15	11.8	300
4	Immobilization of Enzymes and Redox Proteins and Their Electrochemical Biosensor Applications. <i>ECS Transactions</i> , 2013 , 50, 35-41	1	10
3	Highly selective amperometric nitrite sensor based on chemically reduced graphene oxide modified electrode. <i>Electrochemistry Communications</i> , 2012 , 17, 75-78	5.1	237
2	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxide/single-walled carbon nanotube composite film. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 274-280	8.5	67
1	MWCNTs/MoS ₂ Decorated Cobalt Oxide Polyhedrons Composite Film Modified Electrode for Electrochemical Determination of Dopamine in Rat Brain and Human Blood Serum Samples. <i>International Journal of Electrochemical Science</i> , 7435-7445	2.2	8