

# Veerappan Mani

## List of Publications by Citations

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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	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> , <b>2013</b> , 41, 309-15	11.8	300
85	Highly selective amperometric nitrite sensor based on chemically reduced graphene oxide modified electrode. <i>Electrochemistry Communications</i> , <b>2012</b> , 17, 75-78	5.1	237
84	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> , <b>2014</b> , 53, 420-7	11.8	130
83	Simultaneous electrochemical determination of dopamine and paracetamol on multiwalled carbon nanotubes/graphene oxide nanocomposite-modified glassy carbon electrode. <i>Talanta</i> , <b>2013</b> , 117, 297-304	6.2	130
82	Methyl parathion detection in vegetables and fruits using silver@graphene nanoribbons nanocomposite modified screen printed electrode. <i>Scientific Reports</i> , <b>2017</b> , 7, 46471	4.9	119
81	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> , <b>2017</b> , 485, 129-136	9.3	116
80	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> , <b>2016</b> , 475, 46-56	9.3	99
79	Highly selective amperometric sensor for the trace level detection of hydrazine at bismuth nanoparticles decorated graphene nanosheets modified electrode. <i>Talanta</i> , <b>2014</b> , 124, 43-51	6.2	97
78	Glucose biosensor based on glucose oxidase immobilized at gold nanoparticles decorated graphene-carbon nanotubes. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 78, 40-5	3.8	96
77	3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 773-783	8.5	95
76	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> , <b>2017</b> , 7, 11910	4.9	86
75	Electrodeposition of copper nanoparticles using pectin scaffold at graphene nanosheets for electrochemical sensing of glucose and hydrogen peroxide. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 804-810	6.7	84
74	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> , <b>2016</b> , 183, 2267-2275	5.8	83
73	Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. <i>Talanta</i> , <b>2014</b> , 120, 148-57	6.2	82
72	Nanocomposites composed of layered molybdenum disulfide and graphene for highly sensitive amperometric determination of methyl parathion. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 725-733	5.8	76
71	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> , <b>2014</b> , 135, 260-269	6.7	72
70	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> , <b>2012</b> , 173, 274-280	8.5	67

69	Direct electrochemistry of cytochrome c immobilized on a graphene oxide-carbon nanotube composite for picomolar detection of hydrogen peroxide. <i>RSC Advances</i> , <b>2014</b> , 4, 28229-28237	3.7	53
68	Screen-printed electrode modified with a composite prepared from graphene oxide nanosheets and Mn <sub>3</sub> O <sub>4</sub> microcubes for ultrasensitive determination of nitrite. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3625-3634	5.8	52
67	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> , <b>2015</b> , 5, 54379-54386	3.7	51
66	Bismuth nanoparticles decorated graphenated carbon nanotubes modified screen-printed electrode for mercury detection. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 95, 466-474	5.3	50
65	Determination of oxidative stress biomarker 3-nitro-l-tyrosine using CdWO <sub>4</sub> nanodots decorated reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 272, 274-281	8.5	48
64	Synthesis and characterization of graphene-cobalt phthalocyanines and graphene-iron phthalocyanine composites and their enzymatic fuel cell application. <i>Renewable Energy</i> , <b>2015</b> , 74, 867-874	8.1	45
63	Immobilization of glucose oxidase on graphene and cobalt phthalocyanine composite and its application for the determination of glucose. <i>Enzyme and Microbial Technology</i> , <b>2014</b> , 66, 60-6	3.8	45
62	Electrochemical latent redox ratiometric probes for real-time tracking and quantification of endogenous hydrogen sulfide production in living cells. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 96, 233-238	11.8	44
61	Highly sensitive determination of non-steroidal anti-inflammatory drug nimesulide using electrochemically reduced graphene oxide nanoribbons. <i>RSC Advances</i> , <b>2017</b> , 7, 33043-33051	3.7	44
60	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> , <b>2014</b> , 18, 1015-1023	2.6	43
59	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> , <b>2017</b> , 164, B403-B408	3.9	39
58	Design and synthesis of ultrasensitive off-on fluoride detecting fluorescence probe via autoinductive signal amplification. <i>Analyst, The</i> , <b>2015</b> , 140, 346-52	5	38
57	Electrochemical sensors targeting salivary biomarkers: A comprehensive review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 135, 116164	14.6	37
56	The Immobilization of Glucose Oxidase at Manganese Dioxide Particles-Decorated Reduced Graphene Oxide Sheets for the Fabrication of a Glucose Biosensor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 15582-15589	3.9	36
55	Nitrite determination at electrochemically synthesized polydiphenylamine-Pt composite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 177, 887-892	8.5	36
54	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> , <b>2018</b> , 257, 220-227	8.5	35
53	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> , <b>2018</b> , 820, 161-167	4.1	33
52	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> , <b>2015</b> , 182, 727-735	5.8	32

51	MoS <sub>2</sub> Flowers Grown on Graphene/Carbon Nanotubes: a Versatile Substrate for Electrochemical Determination of Hydrogen Peroxide. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 2954-2961	2.2	31
50	Real-time quantification of hydrogen peroxide production in living cells using NiCo <sub>2</sub> S <sub>4</sub> @CoS <sub>2</sub> heterostructure. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 287, 124-130	8.5	30
49	Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. <i>RSC Advances</i> , <b>2014</b> , 4, 55900-55907	3.7	30
48	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> , <b>2016</b> , 6, 100605-100613	3.7	30
47	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> , <b>2018</b> , 165, B27-B33	3.9	27
46	Electropolymerization of cobalt tetraamino-phthalocyanine at reduced graphene oxide for electrochemical determination of cysteine and hydrazine. <i>RSC Advances</i> , <b>2016</b> , 6, 38463-38469	3.7	27
45	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> , <b>2019</b> , 187, 33	5.8	25
44	A simple electrochemical platform based on pectin stabilized gold nanoparticles for picomolar detection of biologically toxic amitrole. <i>Analyst, The</i> , <b>2015</b> , 140, 5764-71	5	22
43	High-performance electrochemical amperometric sensors for the sensitive determination of phenyl urea herbicides diuron and fenuron. <i>Ionics</i> , <b>2015</b> , 21, 2675-2683	2.7	22
42	Determination of Folic Acid Using Graphene/Molybdenum Disulfide Nanosheets/Gold Nanoparticles Ternary Composite. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 258-267	2.2	21
41	Fabrication of Nickel Tetrasulfonated Phthalocyanine Functionalized Multiwalled Carbon Nanotubes on Activated Glassy Carbon Electrode for the Detection of Dopamine. <i>Electroanalysis</i> , <b>2015</b> , 27, 485-493	3	21
40	ZnCo <sub>2</sub> O <sub>4</sub> Nanoflowers Grown on Co <sub>3</sub> O <sub>4</sub> Nanowire-Decorated Cu Foams for in Situ Profiling of H <sub>2</sub> O <sub>2</sub> in Live Cells and Biological Media. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5049-5060	5.6	20
39	A switchable electrochemical redox ratiometric substrate based on ferrocene for highly selective and sensitive fluoride detection. <i>RSC Advances</i> , <b>2016</b> , 6, 71727-71732	3.7	16
38	Rational construction of novel strontium hexaferrite decorated graphitic carbon nitrides for highly sensitive detection of neurotoxic organophosphate pesticide in fruits. <i>Electrochimica Acta</i> , <b>2021</b> , 371, 137756	6.7	16
37	Enzymatic glucose biosensor based on bismuth nanoribbons electrochemically deposited on reduced graphene oxide. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2165-2172	5.8	15
36	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> , <b>2018</b> , 268, 150-162	6.7	15
35	Electrochemical OFF-ON ratiometric chemodosimeters for the selective and rapid detection of fluoride. <i>Talanta</i> , <b>2015</b> , 131, 121-6	6.2	14
34	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> , <b>2020</b> , 69, 105242	8.9	14

33	Highly Sensitive Determination of Folic Acid Using Graphene Oxide Nanoribbon Film Modified Screen Printed Carbon Electrode. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 475-484	2.2	14
32	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> , <b>2017</b> , 164, B463-B469	3.9	14
31	A rapid fluorescence detecting platform: applicable to sense carnitine and chloramphenicol in food samples. <i>RSC Advances</i> , <b>2014</b> , 4, 64112-64118	3.7	14
30	An Amperometric Biological Toxic Hydrazine Sensor Based on Multiwalled Carbon Nanotubes and Iron Tetrasulfonated Phthalocyanine Composite Modified Electrode. <i>Electroanalysis</i> , <b>2015</b> , 27, 1403-1410	3.0	13
29	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> , <b>2020</b> , 8, 7453-7465	7.3	12
28	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> , <b>2017</b> , 505, 1193-1201	9.3	12
27	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> , <b>2017</b> , 7446-7456	2.2	11
26	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 &amp; Interfaces</i> , <b>2021</b> , 13, 24865-24876	9.5	11
25	Sensitive and Selective Determination of Uric Acid Using Polyaniline and Iron Composite Film Modified Electrode. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 8730-8737	2.2	11
24	Polyaniline/nickel Composite Film Modified Electrode for Sensitive Electrochemical Determination of Ascorbic Acid. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 10806-10814	2.2	11
23	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> , <b>2018</b> , 3, 5435-5444	3.9	11
22	A new electrochemical substrate for rapid and sensitive in vivo monitoring of $\beta$ -galactosidase gene expressions. <i>Analyst, The</i> , <b>2015</b> , 140, 6040-6	5	10
21	Immobilization of Enzymes and Redox Proteins and Their Electrochemical Biosensor Applications. <i>ECS Transactions</i> , <b>2013</b> , 50, 35-41	1	10
20	Electrochemical Study of Nitrobenzene Reduction Using Potentiostatic Preparation of nephrolepis Leaf Like Silver Microstructure. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 6164-6172	2.2	10
19	Binary transition metal oxide modified laser-scribed graphene electrochemical aptasensor for the accurate and sensitive screening of acute myocardial infarction. <i>Electrochimica Acta</i> , <b>2021</b> , 386, 138489	6.7	9
18	Label-free electrochemical detection of neuraminidase activity: A facile whole blood diagnostic probe for infectious diseases. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 641-648	8.5	8
17	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> , <b>2020</b> , 21,	6.3	8
16	Design of controlled multi-probe coupled assay via bioinspired signal amplification approach for mercury detection. <i>RSC Advances</i> , <b>2016</b> , 6, 58485-58492	3.7	8

15	MWCNTs/MoS <sub>2</sub> 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
14	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> , <b>2021</b> , 347, 130556	8.5	8
13	A Sensitive Ratiometric Long-Wavelength Fluorescent Probe for Selective Determination of Cysteine/Homocysteine. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1489-95	2.4	7
12	Potentiostatic Electrochemical Preparation of Bismuth Nanoribbons and its Application in Biologically Poisoning Lead and Cadmium Heavy Metal Ions Detection. <i>Electroanalysis</i> , <b>2015</b> , 27, 2341-2346	3.46	6
11	Designing anthraquinone-pyrrole redox intercalating probes for electrochemical gene detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 294-9	11.8	5
10	Highly Sensitive Amperometric Sensor for Nitrobenzene Detection Using Functionalized Multiwalled-Carbon Nanotubes Modified Screen Printed Carbon Electrode. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 10837-10846	2.2	5
9	Bisintercalating DNA redox reporters for real-time electrochemical qLAMP. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 129, 277-283	11.8	5
8	Anti-poisoning electrode for real-time in-situ monitoring of hydrogen sulfide release. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 326, 128844	8.5	5
7	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> , <b>2020</b> , 332, 127150	8.5	4
6	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> , <b>2017</b> , 990, 78-83	6.6	4
5	Ultrasonic synthesis of bismuth-organic framework intercalated carbon nanofibers: A dual electrocatalyst for trace-level monitoring of nitro hazards. <i>Electrochimica Acta</i> , <b>2021</b> , 381, 138280	6.7	4
4	Inherent Surface Activation of Laser-Scribed Graphene Decorated with Au and Ag Nanoparticles: Simultaneous Electrochemical Behavior toward Uric Acid and Dopamine. <i>Langmuir</i> , <b>2021</b> , 37, 13890-13902	4	3
3	Fabrication of Flexible and Efficient Dye Sensitized Solar Cells Using Modified TiO <sub>2</sub> Electrode at Low-Temperature Annealing Process. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2017</b> , 12, 872-879	1.3	2
2	Surfactant-induced morphological evolution of Cu(II) metal organic frameworks: Applicable in picomolar quantification of bilirubin. <i>Applied Surface Science</i> , <b>2021</b> , 557, 149827	6.7	2
1	Gd doped molybdenum selenide/carbon nanofibers: an excellent electrocatalyst for monitoring endogenous H <sub>2</sub> S. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 2871-2879	6.8	1