

# A T Ezhil Vilian

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,822  
citations

185998

28  
h-index

276539

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2956  
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile method for the fabrication of hierarchically structured Ni <sub>2</sub> CoS <sub>4</sub> nanopetals on carbon nanofibers to enhance non-enzymatic glucose oxidation. <i>Mikrochimica Acta</i> , 2021, 188, 106.	2.5	8
2	Recent advances in molybdenum disulfide-based electrode materials for electroanalytical applications. <i>Mikrochimica Acta</i> , 2019, 186, 203.	2.5	46
3	Palladium Supported on an Amphiphilic Triazine- $\alpha$ -Urea-Functionalized Porous Organic Polymer as a Highly Efficient Electrocatalyst for Electrochemical Sensing of Rutin in Human Plasma. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19554-19563.	4.0	34
4	Salt-templated three-dimensional porous carbon for electrochemical determination of gallic acid. <i>Biosensors and Bioelectronics</i> , 2018, 117, 597-604.	5.3	56
5	Hexagonal Co <sub>3</sub> O <sub>4</sub> anchored reduced graphene oxide sheets for high-performance supercapacitors and non-enzymatic glucose sensing. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14367-14379.	5.2	118
6	Nano-graphene oxide composite for in vivo imaging. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 221-234.	3.3	32
7	A biocompatible implant electrode capable of operating in body fluids for energy storage devices. <i>Nano Energy</i> , 2017, 34, 86-92.	8.2	44
8	Pd nanospheres decorated reduced graphene oxide with multi-functions: Highly efficient catalytic reduction and ultrasensitive sensing of hazardous 4-nitrophenol pollutant. <i>Journal of Hazardous Materials</i> , 2017, 333, 54-62.	6.5	145
9	Electrochemical determination of dopamine using a glassy carbon electrode modified with TiN-reduced graphene oxide nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 61-69.	4.0	54
10	Polyisothianaphthene/graphene nanocomposite as a new counter electrode material for high performance dye sensitized solar cell. <i>Synthetic Metals</i> , 2017, 230, 58-64.	2.1	10
11	A spick-and-span approach to the immobilization of horseradish peroxidase on Au nanospheres incorporated with a methionine/graphene biomatrix for the determination of endocrine disruptor bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 804-812.	4.0	19
12	Cesium-induced inhibition of bacterial growth of <i>Pseudomonas aeruginosa</i> PAO1 and their possible potential applications for bioremediation of wastewater. <i>Journal of Hazardous Materials</i> , 2017, 338, 323-333.	6.5	10
13	Design and development of caffeic acid conjugated with <i>Bombyx mori</i> derived peptide biomaterials for anti-aging skin care applications. <i>RSC Advances</i> , 2017, 7, 30205-30213.	1.7	5
14	A screen printed carbon electrode modified with an amino-functionalized metal organic framework of type MIL-101(Cr) and with palladium nanoparticles for voltammetric sensing of nitrite. <i>Mikrochimica Acta</i> , 2017, 184, 4793-4801.	2.5	38
15	Facile fabrication of paper-based analytical devices for rapid and highly selective colorimetric detection of cesium in environmental samples. <i>RSC Advances</i> , 2017, 7, 48374-48385.	1.7	16
16	Development of gold nanoparticle-aptamer-based LSPR sensing chips for the rapid detection of <i>Salmonella typhimurium</i> in pork meat. <i>Scientific Reports</i> , 2017, 7, 10130.	1.6	130
17	Square voltammetric sensing of mercury at very low working potential by using oligomer-functionalized Ag@Au core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 3547-3556.	2.5	23
18	Rapid and label-free bioanalytical method of alpha fetoprotein detection using LSPR chip. <i>Journal of Crystal Growth</i> , 2017, 469, 131-135.	0.7	17

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19	Pt-Au bimetallic nanoparticles decorated on reduced graphene oxide as an excellent electrocatalysts for methanol oxidation. <i>Synthetic Metals</i> , 2016, 219, 52-59.	2.1	45
20	Fabrication of Palladium Nanoparticles on Porous Aromatic Frameworks as a Sensing Platform to Detect Vanillin. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12740-12747.	4.0	57
21	Electrochemical determination of quercetin based on porous aromatic frameworks supported Au nanoparticles. <i>Electrochimica Acta</i> , 2016, 216, 181-187.	2.6	38
22	Fabrication of 3D honeycomb-like porous polyurethane-functionalized reduced graphene oxide for detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2016, 86, 122-128.	5.3	54
23	An enzyme-free electrochemical sensor based on reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> nanospindle composite for sensitive detection of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 92-99.	4.0	154
24	Immobilization of myoglobin on Au nanoparticle-decorated carbon nanotube/polytyramine composite as a mediator-free H <sub>2</sub> O <sub>2</sub> and nitrite biosensor. <i>Scientific Reports</i> , 2015, 5, 18390.	1.6	40
25	Preparation of a reduced graphene oxide/poly-L-glutathione nanocomposite for electrochemical detection of 4-aminophenol in orange juice samples. <i>Analytical Methods</i> , 2015, 7, 5627-5634.	1.3	30
26	Facile synthesis of MnO <sub>2</sub> /carbon nanotubes decorated with a nanocomposite of Pt nanoparticles as a new platform for the electrochemical detection of catechin in red wine and green tea samples. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6285-6292.	2.9	43
27	Preparation of carbon nanotubes decorated with manganese dioxide nanoparticles for electrochemical determination of ferulic acid. <i>Mikrochimica Acta</i> , 2015, 182, 1103-1111.	2.5	26
28	The electrochemical synthesis of Pt particles on ZrO <sub>2</sub> -ERGO modified electrodes with high electrocatalytic performance for methanol oxidation. <i>New Journal of Chemistry</i> , 2015, 39, 953-961.	1.4	12
29	Simultaneous determination of catechol and hydroquinone using a Pt/ZrO <sub>2</sub> -RGO/GCE composite modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 125, 503-509.	2.6	79
30	In situ electrochemical synthesis of highly loaded zirconium nanoparticles decorated reduced graphene oxide for the selective determination of dopamine and paracetamol in presence of ascorbic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 295-301.	2.5	66
31	Simple approach for the immobilization of horseradish peroxidase on poly-L-histidine modified reduced graphene oxide for amperometric determination of dopamine and H <sub>2</sub> O <sub>2</sub> . <i>RSC Advances</i> , 2014, 4, 55867-55876.	1.7	28
32	Direct electrochemistry and electrocatalysis of glucose oxidase based poly(L-arginine)-multi-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 50771-50781.	1.7	25
33	Using multi-walled carbon nanotubes to enhance coimmobilization of poly(azure A) and poly(neutral) Tj ETQq1 1 0.784314 rgBT /Ove 2014, 4, 45566-45574.	1.7	10
34	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 63917-63921.	1.7	31
35	High electrocatalytic performance of platinum and manganese dioxide nanoparticle decorated reduced graphene oxide sheets for methanol electro-oxidation. <i>RSC Advances</i> , 2014, 4, 41387-41397.	1.7	34
36	A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. <i>RSC Advances</i> , 2014, 4, 48522-48534.	1.7	28

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37	Direct electrochemistry of glucose oxidase immobilized on ZrO <sub>2</sub> nanoparticles-decorated reduced graphene oxide sheets for a glucose biosensor. RSC Advances, 2014, 4, 30358-30367.	1.7	51
38	An electrocatalytic oxidation and voltammetric method using a chemically reduced graphene oxide film for the determination of caffeic acid. Journal of Colloid and Interface Science, 2014, 423, 33-40.	5.0	48
39	Electrochemical oxidation and determination of norepinephrine in the presence of acetaminophen using MnO <sub>2</sub> nanoparticle decorated reduced graphene oxide sheets. Analytical Methods, 2014, 6, 6504-6513.	1.3	19
40	The Immobilization of Glucose Oxidase at Manganese Dioxide Particles-Decorated Reduced Graphene Oxide Sheets for the Fabrication of a Glucose Biosensor. Industrial & Engineering Chemistry Research, 2014, 53, 15582-15589.	1.8	39
41	A simple strategy for the immobilization of catalase on multi-walled carbon nanotube/poly (l-lysine) biocomposite for the detection of H <sub>2</sub> O <sub>2</sub> and iodate. Biosensors and Bioelectronics, 2014, 61, 639-647.	5.3	60