A T Ezhil Vilian

List of Publications by Year in descending order

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Δ Τ Εζημι Μιιανι

#	Article	IF	CITATIONS
1	An enzyme-free electrochemical sensor based on reduced graphene oxide/Co3O4 nanospindle composite for sensitive detection of nitrite. Sensors and Actuators B: Chemical, 2016, 227, 92-99.	7.8	154
2	Pd nanospheres decorated reduced graphene oxide with multi-functions: Highly efficient catalytic reduction and ultrasensitive sensing of hazardous 4-nitrophenol pollutant. Journal of Hazardous Materials, 2017, 333, 54-62.	12.4	145
3	Development of gold nanoparticle-aptamer-based LSPR sensing chips for the rapid detection of Salmonella typhimurium in pork meat. Scientific Reports, 2017, 7, 10130.	3.3	130
4	Hexagonal Co ₃ O ₄ anchored reduced graphene oxide sheets for high-performance supercapacitors and non-enzymatic glucose sensing. Journal of Materials Chemistry A, 2018, 6, 14367-14379.	10.3	118
5	Simultaneous determination of catechol and hydroquinone using a Pt/ZrO2-RGO/GCE composite modified glassy carbon electrode. Electrochimica Acta, 2014, 125, 503-509.	5.2	79
6	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. Colloids and Surfaces B: Biointerfaces, 2014, 115, 295-301.	5.0	66
7	A simple strategy for the immobilization of catalase on multi-walled carbon nanotube/poly (l-lysine) biocomposite for the detection of H2O2 and iodate. Biosensors and Bioelectronics, 2014, 61, 639-647.	10.1	60
8	Fabrication of Palladium Nanoparticles on Porous Aromatic Frameworks as a Sensing Platform to Detect Vanillin. ACS Applied Materials & Interfaces, 2016, 8, 12740-12747.	8.0	57
9	Salt-templated three-dimensional porous carbon for electrochemical determination of gallic acid. Biosensors and Bioelectronics, 2018, 117, 597-604.	10.1	56
10	Fabrication of 3D honeycomb-like porous polyurethane-functionalized reduced graphene oxide for detection of dopamine. Biosensors and Bioelectronics, 2016, 86, 122-128.	10.1	54
11	Electrochemical determination of dopamine using a glassy carbon electrode modified with TiN-reduced graphene oxide nanocomposite. Sensors and Actuators B: Chemical, 2017, 247, 61-69.	7.8	54
12	Direct electrochemistry of glucose oxidase immobilized on ZrO ₂ nanoparticles-decorated reduced graphene oxide sheets for a glucose biosensor. RSC Advances, 2014, 4, 30358-30367.	3.6	51
13	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.	9.4	48
14	Recent advances in molybdenum disulfide-based electrode materials for electroanalytical applications. Mikrochimica Acta, 2019, 186, 203.	5.0	46
15	Pt-Au bimetallic nanoparticles decorated on reduced graphene oxide as an excellent electrocatalysts for methanol oxidation. Synthetic Metals, 2016, 219, 52-59.	3.9	45
16	A biocompatible implant electrode capable of operating in body fluids for energy storage devices. Nano Energy, 2017, 34, 86-92.	16.0	44
17	Facile synthesis of MnO ₂ /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. Journal of Materials Chemistry B, 2015, 3, 6285-6292.	5.8	43
18	Immobilization of myoglobin on Au nanoparticle-decorated carbon nanotube/polytyramine composite as a mediator-free H2O2 and nitrite biosensor. Scientific Reports, 2015, 5, 18390.	3.3	40

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19	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.	3.7	39
20	Electrochemical determination of quercetin based on porous aromatic frameworks supported Au nanoparticles. Electrochimica Acta, 2016, 216, 181-187.	5.2	38
21	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. Mikrochimica Acta, 2017, 184, 4793-4801.	5.0	38
22	High electrocatalytic performance of platinum and manganese dioxide nanoparticle decorated reduced graphene oxide sheets for methanol electro-oxidation. RSC Advances, 2014, 4, 41387-41397.	3.6	34
23	Palladium Supported on an Amphiphilic Triazine–Urea-Functionalized Porous Organic Polymer as a Highly Efficient Electrocatalyst for Electrochemical Sensing of Rutin in Human Plasma. ACS Applied Materials & Interfaces, 2018, 10, 19554-19563.	8.0	34
24	Nano-graphene oxide composite for in vivo imaging. International Journal of Nanomedicine, 2018, Volume 13, 221-234.	6.7	32
25	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. RSC Advances, 2014, 4, 63917-63921.	3.6	31
26	Preparation of a reduced graphene oxide/poly- <scp>l</scp> -glutathione nanocomposite for electrochemical detection of 4-aminophenol in orange juice samples. Analytical Methods, 2015, 7, 5627-5634.	2.7	30
27	Simple approach for the immobilization of horseradish peroxidase on poly- <scp>l</scp> -histidine modified reduced graphene oxide for amperometric determination of dopamine and H ₂ O ₂ . RSC Advances, 2014, 4, 55867-55876.	3.6	28
28	A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. RSC Advances, 2014, 4, 48522-48534.	3.6	28
29	Preparation of carbon nanotubes decorated with manganese dioxide nanoparticles for electrochemical determination of ferulic acid. Mikrochimica Acta, 2015, 182, 1103-1111.	5.0	26
30	Direct electrochemistry and electrocatalysis of glucose oxidase based poly(<scp>l</scp> -arginine)-multi-walled carbon nanotubes. RSC Advances, 2014, 4, 50771-50781.	3.6	25
31	Square voltammetric sensing of mercury at very low working potential by using oligomer-functionalized Ag@Au core-shell nanoparticles. Mikrochimica Acta, 2017, 184, 3547-3556.	5.0	23
32	Electrochemical oxidation and determination of norepinephrine in the presence of acetaminophen using MnO2 nanoparticle decorated reduced graphene oxide sheets. Analytical Methods, 2014, 6, 6504-6513.	2.7	19
33	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. Sensors and Actuators B: Chemical, 2017, 251, 804-812.	7.8	19
34	Rapid and label-free bioanalytical method of alpha fetoprotein detection using LSPR chip. Journal of Crystal Growth, 2017, 469, 131-135.	1.5	17
35	Facile fabrication of paper-based analytical devices for rapid and highly selective colorimetric detection of cesium in environmental samples. RSC Advances, 2017, 7, 48374-48385.	3.6	16
36	The electrochemical synthesis of Pt particles on ZrO ₂ –ERGO modified electrodes with high electrocatalytic performance for methanol oxidation. New Journal of Chemistry, 2015, 39, 953-961.	2.8	12

#	Article	IF	CITATIONS
37	Using multi-walled carbon nanotubes to enhance coimmobilization of poly(azure A) and poly(neutral) Tj ETQq1 1 2014, 4, 45566-45574.	0.784314 3.6	rgBT /Over 10
38	Polyisothianaphthene/graphene nanocomposite as a new counter electrode material for high performance dye sensitized solar cell. Synthetic Metals, 2017, 230, 58-64.	3.9	10
39	Cesium-induced inhibition of bacterial growth of Pseudomonas aeruginosa PAO1 and their possible potential applications for bioremediation of wastewater. Journal of Hazardous Materials, 2017, 338, 323-333.	12.4	10
40	A facile method for the fabrication of hierarchically structured Ni2CoS4 nanopetals on carbon nanofibers to enhance non-enzymatic glucose oxidation. Mikrochimica Acta, 2021, 188, 106.	5.0	8
41	Design and development of caffeic acid conjugated with Bombyx mori derived peptide biomaterials for anti-aging skin care applications. RSC Advances, 2017, 7, 30205-30213.	3.6	5