

CITATION REPORT

List of articles citing

Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures

DOI: 10.1016/j.bios.2015.11.005

Biosensors and Bioelectronics, 2016, 77, 1168-74.

Source: <https://exaly.com/paper-pdf/65701216/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
122	Universal Multifunctional Nanoplatform Based on Target-Induced in Situ Promoting Au Seeds Growth to Quench Fluorescence of Upconversion Nanoparticles.		
121	The Mediatorless Electroanalytical Sensing of Sulfide Utilizing Unmodified Graphitic Electrode Materials. 2016 , 2, 14		7
120	Enzyme Biosensors for Biomedical Applications: Strategies for Safeguarding Analytical Performances in Biological Fluids. 2016 , 16,		244
119	Sensitive Approach for Voltammetric Determination of Carbendazim Based on the Use of an Anionic Surfactant. 2016 , 28, 1362-1369		25
118	Ultrasensitive sandwich-type prostate specific antigen immunosensor based on Ag overgrowth in Pd nano-octahedrons heterodimers decorated on amino functionalized multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 733-739	8.5	21
117	Modification of a disposable pencil graphite electrode with multiwalled carbon nanotubes: application to electrochemical determination of diclofenac sodium in some pharmaceutical and biological samples. 2016 , 8, 3966-3974		20
116	Three-Dimensional Printing in Analytical Chemistry: Principles and Applications. 2016 , 49, 2865-2882		20
115	Determination of lactic acid with special emphasis on biosensing methods: A review. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 777-790	11.8	68
114	Colorimetric detection of hydrogen peroxide and lactate based on the etching of the carbon based Au-Ag bimetallic nanocomposite synthesized by carbon dots as the reductant and stabilizer. <i>Analytica Chimica Acta</i> , 2016 , 947, 23-31	6.6	28
113	Design and development of an amperometric immunosensor based on screen-printed electrodes. 2016 , 8, 3096-3101		12
112	Can solvent induced surface modifications applied to screen-printed platforms enhance their electroanalytical performance?. 2016 , 141, 2783-90		19
111	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. 2016 , 141, 2791-9		52
110	A portable electrochemical immunosensor for rapid detection of trace aflatoxin B1 in rice. 2016 , 8, 548-553		27
109	High sensitivity chlorogenic acid detection based on multiple layer-by-layer self-assembly films of chitosan and multi-walled carbon nanotubes on a glassy carbon electrode. 2017 , 7, 6950-6956		18
108	A self-assembled peptide nanotube-chitosan composite as a novel platform for electrochemical cytosensing. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 86-92	8.5	22
107	Reduced Graphene Oxide-Modified Screen-Printed Carbon (rGO-SPCE)-Based Disposable Electrochemical Sensor for Sensitive and Selective Determination of Ethyl Carbamate. 2017 , 10, 3329-3337		12
106	Electronic Materials, Devices, and Signals in Electrochemical Sensors. 2017 , 64, 2467-2477		11

105	Recent build outs in electroanalytical biosensors based on carbon-nanomaterial modified screen printed electrode platforms. 2017 , 9, 3895-3907		34
104	Flexible electrochemical biosensors based on graphene nanowalls for the real-time measurement of lactate. 2017 , 28, 315501		28
103	A Biofuel Cell Based on Biocatalytic Reactions of Lactate on Both Anode and Cathode Electrodes □ Extracting Electrical Power from Human Sweat. 2017 , 29, 1602-1611		23
102	Highly Selective Sensing Platform Utilizing Graphene Oxide and Multiwalled Carbon Nanotubes for the Sensitive Determination of Tramadol in the Presence of Co-Formulated Drugs. 2017 , 29, 1038-1048		36
101	Advanced nanomaterial inks for screen-printed chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 919-926	8.5	76
100	Nanopolymer Chitosan in Cancer and Alzheimer Biomedical Application. 2017 , 311-359		1
99	Biosensing methods for the detection of highly pathogenic avian influenza H5N1 and H7N9 viruses. 2017 , 9, 5238-5248		8
98	An improved amperometric L-lactate biosensor based on covalent immobilization of microbial lactate oxidase onto carboxylated multiwalled carbon nanotubes/copper nanoparticles/polyaniline modified pencil graphite electrode. 2017 , 96, 177-186		40
97	Simple strategy for fabricating a Prussian blue/chitosan/carbon nanotube composite and its application for the sensitive determination of hydrogen peroxide. 2017 , 12, 23-26		2
96	Sensitive determination of amlodipine besylate using bare/unmodified and DNA-modified screen-printed electrodes in tablets and biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 768-775	8.5	34
95	Electrochemical detection of glutathione by using thymine-rich DNA-gated switch functionalized mesoporous silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 459-465	11.8	30
94	Adsorptive Stripping Voltammetric Determination of Amaranth and Tartrazine in Drinks and Gelatins Using a Screen-Printed Carbon Electrode. 2017 , 17,		9
93	Copper Oxide Chitosan Nanocomposite: Characterization and Application in Non-Enzymatic Hydrogen Peroxide Sensing. 2017 , 17,		15
92	Molecular Imprinting of Macromolecules for Sensor Applications. 2017 , 17,		96
91	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. 2018 , 90, 4801-4806		52
90	Fast and Simple Electrochemical Analysis Kit for Quality Control of Narrow Therapeutic Index Drugs. 2018 , 30, 1740-1749		6
89	Recent Advances in Chitosan-Based Films for Novel Biosensor. 2018 , 137-161		3
88	A solid-state electrochemical sensing platform based on a supramolecular hydrogel. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 326-333	8.5	21

87	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. 2018 , 7, e1701213		86
86	A new and simple electroanalytical method to detect thiomersal in vaccines on a screen-printed electrode modified with chitosan. 2018 , 10, 1196-1202		8
85	Low-cost screen-printed electrodes based on electrochemically reduced graphene oxide-carbon black nanocomposites for dopamine, epinephrine and paracetamol detection. 2018 , 515, 101-108		83
84	Advances in the design of nanomaterial-based electrochemical affinity and enzymatic biosensors for metabolic biomarkers: A review. 2018 , 185, 276		52
83	A charge-labeled electrochemical immunosensor: enhanced sensitivity by electrostatic interaction of the electrode/solution interface. 2018 , 24, 589-596		2
82	Design of amperometric urea biosensor based on self-assembled monolayer of cystamine/PAMAM-grafted MWCNT/Urease. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 93-101	8.5	60
81	Electrochemical biosensing based on protein-directed carbon nanospheres embedded with SnO and TiO nanocrystals for sensitive detection of tobramycin. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 176-185	11.8	25
80	Three-dimensional graphite paper based imprinted electrochemical sensor for tertiary butylhydroquinone selective recognition and sensitive detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 520-527	8.5	33
79	Carbon nanomaterials and their application to electrochemical sensors: a review. 2018 , 7, 19-41		143
78	Simultaneous determination of codeine and its co-formulated drugs acetaminophen and caffeine by utilising cerium oxide nanoparticles modified screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 142-154	8.5	39
77	Voltammetric sandwich immunoassay for Cronobacter sakazakii using a screen-printed carbon electrode modified with horseradish peroxidase, reduced graphene oxide, thionine and gold nanoparticles. 2017 , 185, 45		13
76	Derivatization method for the quantification of lactic acid in cell culture media via gas chromatography and applications in the study of cell glycometabolism. 2018 , 1090, 1-6		6
75	Layer-by-layer chitosan-decorated pristine graphene on screen-printed electrodes by one-step electrodeposition for non-enzymatic hydrogen peroxide sensor. 2018 , 190, 70-77		11
74	MoS ₂ nanosheets for improving analytical performance of lactate biosensors. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 310-317	8.5	29
73	A solid ionic Lactate biosensor using doped graphene-like membrane of Au-EVIMC-titania nanotubes-polyaniline. <i>Biosensors and Bioelectronics</i> , 2018 , 118, 97-101	11.8	15
72	Sensors Based on Bio and Biomimetic Receptors in Medical Diagnostic, Environment, and Food Analysis. <i>Biosensors</i> , 2018 , 8,	5.9	62
71	Recent Developments in Enzyme, DNA and Immuno-Based Biosensors. 2018 , 18,		60
70	Transistors for Chemical Monitoring of Living Cells. <i>Biosensors</i> , 2018 , 8,	5.9	8

69	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. <i>Biosensors</i> , 2018 , 8,	5.9	146
68	Sensors for Fetal Hypoxia and Metabolic Acidosis: A Review. 2018 , 18,		9
67	Fabrication, functionalization, and dispersion of carbon nanotubes. 2018 , 501-531		6
66	A Conjugated Polymer and SWCNTs Transducer for an Effective Biosensing Tool. 2019 , 166, B853-B858		1
65	Chitosan Derivatives and Grafted Adjuncts with Unique Properties. 2019 , 95-151		4
64	A nanocomposite prepared from platinum particles, polyaniline and a TiC MXene for amperometric sensing of hydrogen peroxide and lactate. 2019 , 186, 752		42
63	Amperometric lactate nanobiosensor based on reduced graphene oxide, carbon nanotube and gold nanoparticle nanocomposite. 2019 , 186, 680		21
62	An ion-imprinted sensor based on chitosan-graphene oxide composite polymer modified glassy carbon electrode for environmental sensing application. 2019 , 317, 93-101		37
61	Exploring the exocellular fungal biopolymer botryosphaeran for laccase-biosensor architecture and application to determine dopamine and spironolactone. 2019 , 204, 475-483		28
60	Porous carbon supported nanoceria derived from one step in situ pyrolysis of Jerusalem artichoke stalk for functionalization of solution-gated graphene transistors for real-time detection of lactic acid from cancer cell metabolism. <i>Biosensors and Bioelectronics</i> , 2019 , 140, 111271	11.8	20
59	Sustainable Nanostructural Materials in Biosensor Application. 2019 , 215-233		
58	Detection of Phosphatidylcholine Content in Crude Oil with Bio-Enzyme Screen-Printed Electrode. 2019 , 12, 229-238		4
57	Advances in the biosensors for lactate and pyruvate detection for medical applications: A review. 2019 , 110, 160-172		47
56	Bioinspired biomaterials and enzyme-based biosensors for point-of-care applications with reference to cancer and bio-imaging. 2019 , 17, 168-176		20
55	Functionalized carbon nanotube adsorption interfaces for electron transfer studies of galactose oxidase. 2019 , 125, 116-126		15
54	Combination of Efficiency with Easiness, Speed, and Cheapness in Development of Sensitive Electrochemical Sensors. 2020 , 50, 538-553		8
53	Towards a transdermal membrane biosensor for the detection of lactate in body fluids. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127645	8.5	7
52	Multiwalled carbon nanotubes bound beta-galactosidase: Its activity, stability and reusability. 2020 , 630, 365-405		1

51	Fe ₃ O ₄ /SiO ₂ /CS surface ion-imprinted polymer modified glassy carbon electrode for highly sensitivity and selectivity detection of toxic metal ions. 2020 , 113, 107-113		6
50	Recent advances in portable heavy metal electrochemical sensing platforms. 2020 , 6, 2676-2690		44
49	Selective Nonenzymatic Amperometric Detection of Lactic Acid in Human Sweat Utilizing a Multi-Walled Carbon Nanotube (MWCNT)-Polypyrrole Core-Shell Nanowire. <i>Biosensors</i> , 2020 , 10,	5.9	11
48	Design of A Low-Cost and Disposable Paper-Based Immunosensor for the Rapid and Sensitive Detection of Aflatoxin B1. 2020 , 8, 87		11
47	Screen-Printed Glucose Sensors Modified with Cellulose Nanocrystals (CNCs) for Cell Culture Monitoring. <i>Biosensors</i> , 2020 , 10,	5.9	7
46	Screen-printed disposable electrodes using graphite-polyurethane composites modified with magnetite and chitosan-coated magnetite nanoparticles for voltammetric epinephrine sensing: a comparative study. 2020 , 187, 318		10
45	Electrochemical (bio) sensors go green. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112270	11.8	40
44	Single-Use Printed Biosensor for L-Lactate and Its Application in Bioprocess Monitoring. 2020 , 8, 321		5
43	Nanosensors for better diagnosis of health. 2020 , 187-228		0
42	Recent advances in 2D hexagonal boron nitride (2D-hBN) applied as the basis of electrochemical sensing platforms. 2021 , 413, 663-672		9
41	Nanobiosensors for Biomedical Applications. 2021 , 147-157		2
40	Electrochemical biosensors. 2021 , 403-441		
39	Biopolymer-derived carbonaceous composites and their potential applications. 2021 , 253-280		2
38	A Dual-Functional Lactate Sensor Based on Silver Nanoparticle-coated Carbon Dots. 2021 , 42, 767-772		3
37	Cultivating Multidisciplinarity: Manufacturing and Sensing Challenges in Cultured Meat Production. 2021 , 10,		10
36	Disposable and Flexible Electrochemical Paper-based Analytical Devices Using Low-cost Conductive Ink. 2021 , 33, 1520-1527		4
35	Effect of confinement of horse heart cytochrome c and formate dehydrogenase from <i>Candida boidinii</i> on mesoporous carbons on their catalytic activity. 2021 , 44, 1699-1710		1
34	Recent Advancement of Biopolymers and Their Potential Biomedical Applications. 1		7

33	Critical reviews of electro-reactivity of screen-printed nanocomposite electrode to safeguard the environment from trace metals. 2021 , 152, 705		2
32	Lactate Biosensing for Reliable On-Body Sweat Analysis. 2021 , 6, 2763-2771		17
31	Electroanalytical Overview: Electrochemical Sensing Platforms for Food and Drink Safety. <i>Biosensors</i> , 2021 , 11,	5.9	9
30	Voltammetric determination of lactic acid in milk samples using carbon paste electrode modified with chitosan-based magnetic molecularly imprinted polymer. 1		0
29	Electrochemical synthesis of composite materials based on titanium carbide and titanium dioxide with poly(N-phenyl-o-phenylenediamine) for selective detection of uric acid. 2021 , 895, 115481		6
28	Screen-printed electrodes: Transitioning the laboratory in-to-the field. 2021 , 3, 100032		45
27	Carbon Nanotubes and its Potential Application in Sensing. 2021 , 6, 9571-9590		3
26	Enzyme modified CNTs for biosensing application: Opportunities and challenges. 2021 , 44, 100506		2
25	Nanoparticles in electrochemical bioanalytical analysis. 2021 , 83-112		2
24	Nanobiosensor in Health Sector: The Milestones Achieved and Future Prospects. 2020 , 63-90		2
23	Covalent attachment of laccase to carboxymethyl-botryosphaeran in aqueous solution for the construction of a voltammetric biosensor to quantify quercetin. 2020 , 135, 107543		9
22	Recent Advances of Chitosan and its Derivatives in Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2020 , 27, 3023-3045	4.3	7
21	Current Progress in Biomedical Applications of Chitosan-Carbon Nanotube Nanocomposites: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 1619-1632	3.2	4
20	Enzyme (Single and Multiple) and Nanozyme Biosensors: Recent Developments and Their Novel Applications in the Water-Food-Health Nexus. <i>Biosensors</i> , 2021 , 11,	5.9	7
19	Recent trends in nanomaterial-based signal amplification in electrochemical aptasensors. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-19	9.4	5
18	Toxicity Evaluation Using Animal and Cell Models. 2019 , 33-64		
17	Sensing Materials: Carbon Materials. 2021 ,		
16	A cascade-triggered ratiometric fluorescent sensor based on nanocomposite for lactate determination. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131295	8.5	1

15	Modified graphene-based nanocomposite material for smart textile biosensor to detect lactate from human sweat. <i>Biosensors and Bioelectronics: X</i> , 2022 , 10, 100103	2.9	1
14	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. 2022 , 67-103		
13	Biosensors. 2022 , 1-30		1
12	Biological recognition elements. 2022 , 213-239		
11	Fungal β -Glucan Films for Electrochemical Biosensing in Food Analysis. 2022 , 385-400		
10	New insights for integration of nano particle with microfluidic systems for sensor applications.. <i>Biomedical Microdevices</i> , 2022 , 24, 13	3.7	
9	Electrochemical Sensor for 4-Aminophenol Based on Flexible Laser Induced Graphene. 2021 ,		1
8	Lactate biosensing based on covalent immobilization of lactate oxidase onto chevron-like graphene nanoribbons via diazotization-coupling reaction.. <i>Analytica Chimica Acta</i> , 2022 , 1208, 339851	6.6	1
7	Applications of Microfluidics. 2022 , 15-50		1
6	Chitosan biopolymer coated graphite electrode as a robust electrochemical platform for the detection of the insecticide flubendiamide. <i>Journal of Food Composition and Analysis</i> , 2022 , 114, 104749 ^{4.1}		0
5	What Is Left for Real-Life Lactate Monitoring? Current Advances in Electrochemical Lactate (Bio)Sensors for Agrifood and Biomedical Applications. 2022 , 12, 919		0
4	The Voltammetric Detection of Cadaverine Using a Diamine Oxidase and Multi-Walled Carbon Nanotube Functionalised Electrochemical Biosensor. 2023 , 13, 36		0
3	Wearable Electrodes for Lactate: Applications in Enzyme-Based Sensors and Energy Biodevices.		0
2	Screen-Printed Electrodes: Fabrication, Modification, and Biosensing Applications. 2023 , 11, 113		0
1	Ultrasensitive electrochemical biosensor for detection of circulating tumor cells based on a highly efficient enzymatic cascade reaction. 2023 , 13, 12966-12972		0