

Monica Revenga-Parra

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

578
citations

567281

15
h-index

677142

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22
all docs

22
docs citations

22
times ranked

818
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Synthesis and electrocatalytic activity towards oxidation of hydrazine of a new family of hydroquinone salophen derivatives: application to the construction of hydrazine sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 678-687. | 7.8 | 73 |
| 2 | Electrocatalytic oxidation of methanol and other short chain aliphatic alcohols on glassy carbon electrodes modified with conductive films derived from NiII-(N,Nâ€™-bis(2,5-dihydroxybenzylidene)-1,2-diaminobenzene). <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 730-738. | 7.8 | 64 |
| 3 | Single-Mismatch Position-Sensitive Detection of DNA Based on a Bifunctional Ruthenium Complex. <i>Analytical Chemistry</i> , 2008, 80, 77-84. | 6.5 | 47 |
| 4 | Insulin sensor based on nanoparticle-decorated multiwalled carbon nanotubes modified electrodes. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 331-338. | 7.8 | 44 |
| 5 | Comprehensive study of interactions between DNA and new electroactive Schiff base ligandsApplication to the detection of singly mismatched <i>Helicobacter pylori</i> sequences. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2675-2681. | 10.1 | 34 |
| 6 | Reagent-Less and Robust Biosensor for Direct Determination of Lactate in Food Samples. <i>Sensors</i> , 2017, 17, 144. | 3.8 | 32 |
| 7 | Grafted Azure A modified electrodes as disposable \hat{I}^2 -nicotinamide adenine dinucleotide sensors. <i>Analytica Chimica Acta</i> , 2012, 747, 84-91. | 5.4 | 31 |
| 8 | Disposable DNA biosensor based on thin-film gold electrodes for selective <i>Salmonella</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 1030-1037. | 7.8 | 29 |
| 9 | Architectures based on the use of gold nanoparticles and ruthenium complexes as a new route to improve genosensor sensitivity. <i>Biosensors and Bioelectronics</i> , 2008, 24, 184-190. | 10.1 | 28 |
| 10 | Electrografting of Nâ€™ TM ,Nâ€™ TM -dimethylphenothiazin-5-ium-3,7-diamine (Azure A) diazonium salt forming electrocatalytic organic films on gold or graphene oxide gold hybrid electrodes. <i>Electrochimica Acta</i> , 2014, 116, 59-68. | 5.2 | 23 |
| 11 | 2D MoS2 nanosheets and hematein complexes deposited on screen-printed graphene electrodes as an efficient electrocatalytic sensor for detecting hydrazine. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130385. | 7.8 | 21 |
| 12 | Effects of Ionic Strength and Probe DNA Length on the Electrochemical Impedance Spectroscopic Response of Biosensors. <i>Electroanalysis</i> , 2011, 23, 100-107. | 2.9 | 19 |
| 13 | Nanostructured rough gold electrodes as platforms to enhance the sensitivity of electrochemical genosensors. <i>Analytica Chimica Acta</i> , 2013, 788, 141-147. | 5.4 | 18 |
| 14 | Dual-Stage DNA Sensing: Recognition and Detection. <i>Analytical Chemistry</i> , 2008, 80, 9443-9449. | 6.5 | 16 |
| 15 | Nanostructured electrochemical detector for the quantification of amino acids related to metabolic diseases. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 773-780. | 7.8 | 15 |
| 16 | Disposable sensors for rapid screening of mutated genes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1385-1393. | 3.7 | 14 |
| 17 | Simple diazonium chemistry to develop specific gene sensing platforms. <i>Analytica Chimica Acta</i> , 2014, 813, 41-47. | 5.4 | 13 |
| 18 | One-step reduced/quinone functionalized graphene oxide as reagentless lactate biosensing platform. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 533-541. | 7.8 | 13 |

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|----|---|------|-----------|
| 19 | Diazonium salt click chemistry based multiwall carbon nanotube electrocatalytic platforms. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 559-568. | 7.8 | 12 |
| 20 | Interactions of Schiff-base ligands with gold nanoparticles: structural, optical and electrocatalytic studies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5668. | 2.8 | 11 |
| 21 | Highly dense nickel hydroxide nanoparticles catalyst electrodeposited from a novel Ni(II) paddle-wheel complex. <i>Journal of Catalysis</i> , 2015, 329, 22-31. | 6.2 | 11 |
| 22 | Electrochemical DNA base pairs quantification and endonuclease cleavage detection. <i>Biosensors and Bioelectronics</i> , 2011, 27, 40-45. | 10.1 | 10 |