

VÃ-ctor Ruiz-ValdepeÃ±as Montiel

List of Publications by Year in descending order

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45
papers

1,470
citations

236925

25
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable and Mobile Sensors for Personalized Nutrition. <i>ACS Sensors</i> , 2021, 6, 1745-1760.	7.8	106
2	Electrochemical bioplatfoms for the simultaneous determination of interleukin (IL)-8 mRNA and IL-8 protein oral cancer biomarkers in raw saliva. <i>Biosensors and Bioelectronics</i> , 2016, 77, 543-548.	10.1	88
3	Sensitive electrochemical determination of miRNAs based on a sandwich assay onto magnetic microcarriers and hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2016, 86, 516-521.	10.1	62
4	Electrochemical affinity biosensors for fast detection of gene-specific methylations with no need for bisulfite and amplification treatments. <i>Scientific Reports</i> , 2018, 8, 6418.	3.3	62
5	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8194-8198.	13.8	61
6	Delayed Sensor Activation Based on Transient Coatings: Biofouling Protection in Complex Biofluids. <i>Journal of the American Chemical Society</i> , 2018, 140, 14050-14053.	13.7	59
7	Electrochemical magnetoimmunosensing platform for determination of the milk allergen β -lactoglobulin. <i>Talanta</i> , 2015, 131, 156-162.	5.5	57
8	Versatile Electroanalytical Bioplatfoms for Simultaneous Determination of Cancer-Related DNA 5-Methyl- and 5-Hydroxymethyl-Cytosines at Global and Gene-Specific Levels in Human Serum and Tissues. <i>ACS Sensors</i> , 2019, 4, 227-234.	7.8	56
9	Electrochemical magnetic beads-based immunosensing platform for the determination of β -lactalbumin in milk. <i>Food Chemistry</i> , 2016, 213, 595-601.	8.2	50
10	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. <i>Angewandte Chemie</i> , 2018, 130, 8326-8330.	2.0	49
11	Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. <i>ACS Sensors</i> , 2016, 1, 896-903.	7.8	47
12	Disposable Amperometric Polymerase Chain Reaction-Free Biosensor for Direct Detection of Adulteration with Horsemeat in Raw Lysates Targeting Mitochondrial DNA. <i>Analytical Chemistry</i> , 2017, 89, 9474-9482.	6.5	47
13	Simultaneous detection of two breast cancer-related miRNAs in tumor tissues using p19-based disposable amperometric magnetobiosensing platforms. <i>Biosensors and Bioelectronics</i> , 2015, 66, 385-391.	10.1	45
14	Comparison of Different Strategies for the Development of Highly Sensitive Electrochemical Nucleic Acid Biosensors Using Neither Nanomaterials nor Nucleic Acid Amplification. <i>ACS Sensors</i> , 2018, 3, 211-221.	7.8	41
15	Rapid screening of multiple antibiotic residues in milk using disposable amperometric magnetosensors. <i>Analytica Chimica Acta</i> , 2014, 820, 32-38.	5.4	40
16	Toward Liquid Biopsy: Determination of the Humoral Immune Response in Cancer Patients Using HaloTag Fusion Protein-Modified Electrochemical Bioplatfoms. <i>Analytical Chemistry</i> , 2016, 88, 12339-12345.	6.5	39
17	Direct electrochemical biosensing in gastrointestinal fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4597-4604.	3.7	37
18	Sensitive and selective magnetoimmunosensing platform for determination of the food allergen Ara h 1. <i>Analytica Chimica Acta</i> , 2015, 880, 52-59.	5.4	35

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19	Amperometric Bioplatforms To Detect Regional DNA Methylation with Single-Base Sensitivity. <i>Analytical Chemistry</i> , 2020, 92, 5604-5612.	6.5	35
20	Electrochemical immunosensor for IL-13 Receptor $\hat{I}\pm 2$ determination and discrimination of metastatic colon cancer cells. <i>Biosensors and Bioelectronics</i> , 2018, 117, 766-772.	10.1	34
21	Single-Step Incubation Determination of miRNAs in Cancer Cells Using an Amperometric Biosensor Based on Competitive Hybridization onto Magnetic Beads. <i>Sensors</i> , 2018, 18, 863.	3.8	32
22	Estrogen receptor $\hat{I}\pm$ determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. <i>Sensing and Bio-Sensing Research</i> , 2016, 7, 71-76.	4.2	30
23	Magnetic Beads-Based Sensor with Tailored Sensitivity for Rapid and Single-Step Amperometric Determination of miRNAs. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2151.	4.1	30
24	Fast amperometric immunoplatform for ovomucoid traces determination in fresh and baked foods. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 421-428.	7.8	29
25	Cutting-Edge Advances in Electrochemical Affinity Biosensing at Different Molecular Level of Emerging Food Allergens and Adulterants. <i>Biosensors</i> , 2020, 10, 10.	4.7	29
26	A novel zinc finger proteininâ€“based amperometric biosensor for miRNA determination. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5031-5041.	3.7	26
27	Electrochemical detection of peanuts at trace levels in foods using a magnetoimmunosensor for the allergenic protein Ara h 2. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 825-833.	7.8	23
28	Multiplexed monitoring of a novel autoantibody diagnostic signature of colorectal cancer using HaloTag technology-based electrochemical immunosensing platform. <i>Theranostics</i> , 2020, 10, 3022-3034.	10.0	23
29	Electrochemical sensor for rapid determination of fibroblast growth factor receptor 4 in raw cancer cell lysates. <i>PLoS ONE</i> , 2017, 12, e0175056.	2.5	22
30	Determination of Cadherin-17 in Tumor Tissues of Different Metastatic Grade Using a Single Incubation-Step Amperometric Immunosensor. <i>Analytical Chemistry</i> , 2018, 90, 11161-11167.	6.5	22
31	Disposable Amperometric Immunosensor for the Detection of Adulteration in Milk through Single or Multiplexed Determination of Bovine, Ovine, or Caprine Immunoglobulins G. <i>Analytical Chemistry</i> , 2019, 91, 11266-11274.	6.5	20
32	Simultaneous Determination of the Main Peanut Allergens in Foods Using Disposable Amperometric Magnetic Beads-Based Immunosensing Platforms. <i>Chemosensors</i> , 2016, 4, 11.	3.6	19
33	Amperometric determination of hazelnut traces by means of Express PCR coupled to magnetic beads assembled on disposable DNA sensing scaffolds. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 895-902.	7.8	19
34	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breastâ€“cancer Related Receptors in Raw Cell Lysates.. <i>Electroanalysis</i> , 2016, 28, 1787-1794.	2.9	15
35	Automatic bionalyzer using an integrated amperometric biosensor for the determination of L-malic acid in wines. <i>Talanta</i> , 2016, 158, 6-13.	5.5	15
36	Decentralized vitamin C & D dual biosensor chip: Toward personalized immune system support. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113590.	10.1	14

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37	First electrochemical immunosensor for the rapid detection of mustard seeds in plant food extracts. <i>Talanta</i> , 2020, 219, 121247.	5.5	12
38	Rapid endoglin determination in serum samples using an amperometric magneto-actuated disposable immunosensing platform. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 288-293.	2.8	10
39	Multiplexed magnetic beads-assisted amperometric bioplatfoms for global detection of methylations in nucleic acids. <i>Analytica Chimica Acta</i> , 2021, 1182, 338946.	5.4	10
40	Detection and quantification of <i>Mycobacterium tuberculosis</i> antigen CFP10 in serum and urine for the rapid diagnosis of active tuberculosis disease. <i>Scientific Reports</i> , 2021, 11, 19193.	3.3	8
41	Automated Bioanalyzer Based on Amperometric Enzymatic Biosensors for the Determination of Ethanol in Low-Alcohol Beers. <i>Beverages</i> , 2017, 3, 22.	2.8	4
42	Electrochemical Biosensors for Food Security: Allergens and Adulterants Detection. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 287-307.	0.5	4
43	Concept of the "Universal Slope" Toward Substantially Shorter Decentralized Insulin Immunoassays. <i>Analytical Chemistry</i> , 2022, 94, 9217-9225.	6.5	4
44	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , 2017, 27, 17-20.	1.1	0
45	Improving Cancer Outcomes through Electrochemical Biosensing of Early Diagnosis/Prognosis Biomarkers in Human Biopsies. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	0