

Eva Vargas

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

836
citations

516710

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713466

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24
all docs

24
docs citations

24
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept of the "Universal Slope" Toward Substantially Shorter Decentralized Insulin Immunoassays. <i>Analytical Chemistry</i> , 2022, 94, 9217-9225.	6.5	4
2	A review of biomarkers in the context of type 1 diabetes: Biological sensing for enhanced glucose control. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10201.	7.1	33
3	Wearable and Mobile Sensors for Personalized Nutrition. <i>ACS Sensors</i> , 2021, 6, 1745-1760.	7.8	106
4	Decentralized vitamin C & D dual biosensor chip: Toward personalized immune system support. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113590.	10.1	14
5	Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , 2020, 92, 2291-2300.	6.5	154
6	Simultaneous cortisol/insulin microchip detection using dual enzyme tagging. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112512.	10.1	40
7	63-OR: Towards Point-of-Care Devices: First Evaluation of an Insulin Immunosensor for Type 1 Diabetes. <i>Diabetes</i> , 2020, 69, .	0.6	1
8	Direct PCR-free electrochemical biosensing of plant-food derived nucleic acids in genomic DNA extracts. Application to the determination of the key allergen Sol a I 7 in tomato seeds. <i>Biosensors and Bioelectronics</i> , 2019, 137, 171-177.	10.1	21
9	Enzymatic/Immunoassay Dual-Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6376-6379.	13.8	106
10	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
11	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
12	Fast amperometric immunoplatfom for ovomucoid traces determination in fresh and baked foods. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 421-428.	7.8	29
13	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
14	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
15	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
16	Amperometric Immunosensing Scaffolds for Rapid, Simple, Non-Invasive and Accurate Determination of Protein Biomarkers of Well-Accepted and Emerging Clinical Importance. <i>Proceedings (mdpi)</i> , 2017, 1, 727.	0.2	0
17	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
18	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

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19	Improving Cancer Outcomes through Electrochemical Biosensing of Early Diagnosis/Prognosis Biomarkers in Human Biopsies. Proceedings (mdpi), 2017, 1, .	0.2	0
20	Automatic bionalyzer using an integrated amperometric biosensor for the determination of L-malic acid in wines. Talanta, 2016, 158, 6-13.	5.5	15
21	Non-invasive determination of glucose directly in raw fruits using a continuous flow system based on microdialysis sampling and amperometric detection at an integrated enzymatic biosensor. Analytica Chimica Acta, 2016, 914, 53-61.	5.4	27
22	Implementation of a new integrated d-lactic acid biosensor in a semiautomatic FIA system for the simultaneous determination of lactic acid enantiomers. Application to the analysis of beer samples. Talanta, 2016, 152, 147-154.	5.5	21
23	Development of an integrated electrochemical biosensor for sucrose and its implementation in a continuous flow system for the simultaneous monitoring of sucrose, fructose and glucose. Talanta, 2013, 105, 93-100.	5.5	27