

# Rebeca Magnolia Torrente

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10270645/publications.pdf>

Version: 2024-02-01

26  
papers

1,537  
citations

516710

16  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2288  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 RapidPlex: A Graphene-Based Multiplexed Telemedicine Platform for Rapid and Low-Cost COVID-19 Diagnosis and Monitoring. <i>Matter</i> , 2020, 3, 1981-1998.	10.0	347
2	Investigation of Cortisol Dynamics in Human Sweat Using a Graphene-Based Wireless mHealth System. <i>Matter</i> , 2020, 2, 921-937.	10.0	269
3	The Era of Digital Health: A Review of Portable and Wearable Affinity Biosensors. <i>Advanced Functional Materials</i> , 2020, 30, 1906713.	14.9	178
4	Magnetobiosensors Based on Viral Protein p19 for MicroRNA Determination in Cancer Cells and Tissues. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6168-6171.	13.8	113
5	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. <i>Nano Letters</i> , 2017, 17, 4958-4963.	9.1	106
6	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
7	A nanozyme tag enabled chemiluminescence imaging immunoassay for multiplexed cytokine monitoring. <i>Chemical Communications</i> , 2018, 54, 13813-13816.	4.1	62
8	Electrochemical magnetic beads-based immunosensing platform for the determination of $\beta$ -lactalbumin in milk. <i>Food Chemistry</i> , 2016, 213, 595-601.	8.2	50
9	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
10	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
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	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
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	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
15	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
16	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
17	Magnetic microbeads-based amperometric immunoplatform for the rapid and sensitive detection of N6-methyladenosine to assist in metastatic cancer cells discrimination. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112708.	10.1	14
18	Towards Control and Oversight of SARS-CoV-2 Diagnosis and Monitoring through Multiplexed Quantitative Electroanalytical Immune Response Biosensors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12

#	ARTICLE	IF	CITATIONS
19	Electrochemical Immunosensing of ST2: A Checkpoint Target in Cancer Diseases. <i>Biosensors</i> , 2021, 11, 202.	4.7	11
20	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
21	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
22	Amperometric magnetoimmunoassay for the determination of lipoprotein(a). <i>Mikrochimica Acta</i> , 2015, 182, 1457-1464.	5.0	6
23	Electrochemical immunosensing of Growth arrest-specific 6 in human plasma and tumor cell secretomes. <i>Electrochemical Science Advances</i> , 2022, 2, e2100096.	2.8	4
24	Label-Free Amperometric Magnetoimmunosensors for Direct Determination of Lactoperoxidase in Milk. <i>Electroanalysis</i> , 2013, 25, 967-974.	2.9	2
25	11PS04 is a new chemical entity identified by microRNA-based biosensing with promising therapeutic potential against cancer stem cells. <i>Scientific Reports</i> , 2019, 9, 11916.	3.3	2
26	Towards Control and Oversight of SARS-CoV-2 Diagnosis and Monitoring through Multiplexed Quantitative Electroanalytical Immune Response Biosensors.. <i>Angewandte Chemie</i> , 0, , .	2.0	2