

Ana Montero-Calle

List of Publications by Year in descending order

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33
papers

552
citations

623734

14
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642732

23
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34
all docs

34
docs citations

34
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical immunosensor using gold nanoparticles-PAMAM-nanostructured screen-printed carbon electrodes for tau protein determination in plasma and brain tissues from Alzheimer patients. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112238.	10.1	83
2	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
3	Identification of Alzheimer's Disease Autoantibodies and Their Target Biomarkers by Phage Microarrays. <i>Journal of Proteome Research</i> , 2019, 18, 2940-2953.	3.7	38
4	Disposable immunoplatforms for the simultaneous determination of biomarkers for neurodegenerative disorders using poly(amidoamine) dendrimer/gold nanoparticle nanocomposite. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 799-811.	3.7	32
5	Identification of prefrontal cortex protein alterations in Alzheimer's disease. <i>Oncotarget</i> , 2018, 9, 10847-10867.	1.8	27
6	Identification of tumor-associated antigens with diagnostic ability of colorectal cancer by in-depth immunomic and seroproteomic analysis. <i>Journal of Proteomics</i> , 2020, 214, 103635.	2.4	26
7	A novel peptide-based electrochemical biosensor for the determination of a metastasis-linked protease in pancreatic cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6177-6188.	3.7	26
8	Magnetic beads-based electrochemical immunosensing of HIF-1 α , a biomarker of tumoral hypoxia. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127623.	7.8	23
9	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
10	Electrochemical immunoplatform to improve the reliability of breast cancer diagnosis through the simultaneous determination of RANKL and TNF in serum. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128096.	7.8	22
11	Multiplexed Biosensing Diagnostic Platforms Detecting Autoantibodies to Tumor-Associated Antigens from Exosomes Released by CRC Cells and Tissue Samples Showed High Diagnostic Ability for Colorectal Cancer. <i>Engineering</i> , 2021, 7, 1393-1412.	6.7	20
12	High-throughput screening of T7 phage display and protein microarrays as a methodological approach for the identification of IgE-reactive components. <i>Journal of Immunological Methods</i> , 2018, 456, 44-53.	1.4	15
13	The Molecular Misreading of APP and UBB Induces a Humoral Immune Response in Alzheimer's Disease Patients with Diagnostic Ability. <i>Molecular Neurobiology</i> , 2020, 57, 1009-1020.	4.0	15
14	Electrochemical immunoplatform to assist in the diagnosis and classification of breast cancer through the determination of matrix-metalloproteinase-9. <i>Talanta</i> , 2021, 225, 122054.	5.5	15
15	Multimiomics Profiling of Alzheimer's Disease Serum for the Identification of Autoantibody Biomarkers. <i>Journal of Proteome Research</i> , 2021, 20, 5115-5130.	3.7	15
16	The specific seroreactivity to p73 isoforms shows higher diagnostic ability in colorectal cancer patients than the canonical p73 protein. <i>Scientific Reports</i> , 2019, 9, 13547.	3.3	14
17	Carbon/Inorganic Hybrid Nanoarchitectures as Carriers for Signaling Elements in Electrochemical Immunosenors: First Biosensor for the Determination of the Inflammatory and Metastatic Processes Biomarker RANKL. <i>ChemElectroChem</i> , 2020, 7, 810-820.	3.4	14
18	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

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19	Spatial Proteomic Analysis of Isogenic Metastatic Colorectal Cancer Cells Reveals Key Dysregulated Proteins Associated with Lymph Node, Liver, and Lung Metastasis. <i>Cells</i> , 2022, 11, 447.	4.1	13
20	Towards Control and Oversight of SARSâ€CoVâ€2 Diagnosis and Monitoring through Multiplexed Quantitative Electroanalytical Immune Response Biosensors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
21	Fast and sensitive diagnosis of autoimmune disorders through amperometric biosensing of serum anti-dsDNA autoantibodies. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112233.	10.1	11
22	Anticipating metastasis through electrochemical immunosensing of tumor hypoxia biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 399-412.	3.7	11
23	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
24	Electrochemical immunosensing of Growth arrestâ€specific 6 in human plasma and tumor cell secretomes. <i>Electrochemical Science Advances</i> , 2022, 2, e2100096.	2.8	4
25	Assisting dementia diagnosis through the electrochemical immunosensing of glial fibrillary acidic protein. <i>Talanta</i> , 2022, 246, 123526.	5.5	4
26	Analysis of Protein-Protein Interactions by. <i>Methods in Molecular Biology</i> , 2021, 2344, 81-97.	0.9	2
27	Protein Microarrays in Neurodegenerative Diseases. <i>Neuromethods</i> , 2017, , 43-62.	0.3	2
28	Paving the way for reliable Alzheimer's disease blood diagnosis by quadruple electrochemical immunosensing. <i>ChemElectroChem</i> , 0, , .	3.4	2
29	Towards Control and Oversight of SARSâ€CoVâ€2 Diagnosis and Monitoring through Multiplexed Quantitative Electroanalytical Immune Response Biosensors.. <i>Angewandte Chemie</i> , 0, , .	2.0	2
30	Protein Microarrays for Ocular Diseases. <i>Methods in Molecular Biology</i> , 2021, 2344, 239-265.	0.9	1
31	Phage Microarrays for Screening of Humoral Immune Responses. <i>Methods in Molecular Biology</i> , 2021, 2344, 31-46.	0.9	0
32	Protein Microarrays: Valuable Tools for Ocular Diseases Research. <i>Current Medicinal Chemistry</i> , 2020, 27, 4549-4566.	2.4	0
33	Paving the Way for Reliable Alzheimer's Disease Blood Diagnosis by Quadruple Electrochemical Immunosening. <i>ChemElectroChem</i> , 0, , .	3.4	0