

Rodrigo Barderas

List of Publications by Citations

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Version: 2024-04-28

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134
papers

2,928
citations

31
h-index

47
g-index

148
ext. papers

3,433
ext. citations

5.5
avg, IF

5.25
L-index

#	Paper	IF	Citations
134	Proteome profiling of cancer-associated fibroblasts identifies novel proinflammatory signatures and prognostic markers for colorectal cancer. <i>Clinical Cancer Research</i> , 2013 , 19, 6006-19	12.9	157
133	Identification of tumor-associated autoantigens for the diagnosis of colorectal cancer in serum using high density protein microarrays. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 2382-95	7.6	127
132	High expression of IL-13 receptor α in colorectal cancer is associated with invasion, liver metastasis, and poor prognosis. <i>Cancer Research</i> , 2012 , 72, 2780-90	10.1	115
131	Affinity maturation of antibodies assisted by in silico modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9029-34	11.5	100
130	Cadherin-17 interacts with α 5 integrin to regulate cell proliferation and adhesion in colorectal cancer cells causing liver metastasis. <i>Oncogene</i> , 2014 , 33, 1658-69	9.2	90
129	In-depth characterization of the secretome of colorectal cancer metastatic cells identifies key proteins in cell adhesion, migration, and invasion. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1602-20	7.6	82
128	Clinical relevance of colorectal cancer molecular subtypes. <i>Critical Reviews in Oncology/Hematology</i> , 2017 , 109, 9-19	7	73
127	Dual functional graphene derivative-based electrochemical platforms for detection of the TP53 gene with single nucleotide polymorphism selectivity in biological samples. <i>Analytical Chemistry</i> , 2015 , 87, 2290-8	7.8	64
126	Profilin (Che a 2) and polcalcin (Che a 3) are relevant allergens of Chenopodium album pollen: isolation, amino acid sequences, and immunologic properties. <i>Journal of Allergy and Clinical Immunology</i> , 2004 , 113, 1192-8	11.5	59
125	Identification and characterization of Che a 1 allergen from Chenopodium album pollen. <i>International Archives of Allergy and Immunology</i> , 2002 , 127, 47-54	3.7	55
124	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. <i>Analytica Chimica Acta</i> , 2016 , 905, 156-62	6.6	52
123	SNAI1 expression in colon cancer related with CDH1 and VDR downregulation in normal adjacent tissue. <i>Oncogene</i> , 2009 , 28, 4375-85	9.2	52
122	Identification of MST1/STK4 and SULF1 proteins as autoantibody targets for the diagnosis of colorectal cancer by using phage microarrays. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.001784	7.6	52
121	Application of bacteriophages in sensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1805-28	4.4	49
120	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 34-41	11.8	48
119	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	16.4	48
118	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	4.9	47

117	Cloning, expression, and clinical significance of the major allergen from ash pollen, Fra e 1. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 351-7	11.5	45
116	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	11.8	43
115	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, 385-91	11.8	42
114	Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. <i>ACS Sensors</i> , 2016 , 1, 896-903	9.2	42
113	An optimized predictor panel for colorectal cancer diagnosis based on the combination of tumor-associated antigens obtained from protein and phage microarrays. <i>Journal of Proteomics</i> , 2012 , 75, 4647-55	3.9	41
112	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	9.2	40
111	Antitumor activity of fibroblast growth factor receptor 3-specific immunotoxins in a xenograft mouse model of bladder carcinoma is mediated by apoptosis. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 862-73	6.1	39
110	FGFR4 role in epithelial-mesenchymal transition and its therapeutic value in colorectal cancer. <i>PLoS ONE</i> , 2013 , 8, e63695	3.7	39
109	Colorectal cancer proteomics, molecular characterization and biomarker discovery. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 159-78	3.1	38
108	Graphene quantum dots-functionalized multi-walled carbon nanotubes as nanocarriers in electrochemical immunosensing. Determination of IL-13 receptor α 2 in colorectal cells and tumor tissues with different metastatic potential. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 711-722	8.5	37
107	Sporadic colon cancer murine models demonstrate the value of autoantibody detection for preclinical cancer diagnosis. <i>Scientific Reports</i> , 2013 , 3, 2938	4.9	36
106	Microarray-Based Immunoassay with Synthetic Mimotopes for the Detection of Fumonisin B. <i>Analytical Chemistry</i> , 2017 , 89, 6216-6223	7.8	34
105	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	7.8	31
104	A pectin methylesterase as an allergenic marker for the sensitization to Russian thistle (<i>Salsola kali</i>) pollen. <i>Clinical and Experimental Allergy</i> , 2007 , 37, 1111-9	4.1	31
103	Recombinant expression, purification and cross-reactivity of chenopod profilin: rChe a 2 as a good marker for profilin sensitization. <i>Biological Chemistry</i> , 2004 , 385, 731-7	4.5	30
102	Simultaneous amperometric immunosensing of the metastasis-related biomarkers IL-13R α 2 and CDH-17 by using grafted screen-printed electrodes and a composite prepared from quantum dots and carbon nanotubes for signal amplification. <i>Mikrochimica Acta</i> , 2019 , 186, 411	5.8	29
101	Development of a novel multiplex beads-based assay for autoantibody detection for colorectal cancer diagnosis. <i>Proteomics</i> , 2016 , 16, 1280-90	4.8	29
100	Serum and tissue profiling in bladder cancer combining protein and tissue arrays. <i>Journal of Proteome Research</i> , 2010 , 9, 164-73	5.6	29

99	Three-dimensional structure of the cross-reactive pollen allergen Che a 3: visualizing cross-reactivity on the molecular surfaces of weed, grass, and tree pollen allergens. <i>Journal of Immunology</i> , 2008 , 180, 2313-21	5.3	29
98	A comparative analysis of the cross-reactivity in the polcalcin family including Syr v 3, a new member from lilac pollen. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006 , 61, 477-84	9.3	29
97	Electrochemical immunosensor for IL-13 Receptor α 2 determination and discrimination of metastatic colon cancer cells. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 766-772	11.8	28
96	The 2018 Nobel Prize in Chemistry: phage display of peptides and antibodies. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2475-2479	4.4	27
95	Phage Display in the Quest for New Selective Recognition Elements for Biosensors. <i>ACS Omega</i> , 2019 , 4, 11569-11580	3.9	27
94	A combinatorial approach for the design of complementarity-determining region-derived peptidomimetics with in vitro anti-tumoral activity. <i>Journal of Biological Chemistry</i> , 2009 , 284, 34126-34	5.4	27
93	A fast mutagenesis procedure to recover soluble and functional scFvs containing amber stop codons from synthetic and semisynthetic antibody libraries. <i>Journal of Immunological Methods</i> , 2006 , 312, 182-9	2.5	25
92	Identification of Alzheimer's Disease Autoantibodies and Their Target Biomarkers by Phage Microarrays. <i>Journal of Proteome Research</i> , 2019 , 18, 2940-2953	5.6	24
91	Identification of cancer autoantigens in serum: toward diagnostic/prognostic testing?. <i>Molecular Diagnosis and Therapy</i> , 2010 , 14, 149-54	4.5	24
90	Che a 1: recombinant expression, purification and correspondence to the natural form. <i>International Archives of Allergy and Immunology</i> , 2004 , 135, 284-92	3.7	24
89	Amperometric Bioplatfoms To Detect Regional DNA Methylation with Single-Base Sensitivity. <i>Analytical Chemistry</i> , 2020 , 92, 5604-5612	7.8	23
88	Estrogen receptor α 2 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	3.3	23
87	A proteomic analysis reveals that Snail regulates the expression of the nuclear orphan receptor Nuclear Receptor Subfamily 2 Group F Member 6 (Nr2f6) and interleukin 17 (IL-17) to inhibit adipocyte differentiation. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 303-15	7.6	22
86	Isolation of the main allergen Fra e 1 from ash (<i>Fraxinus excelsior</i>) pollen: comparison of the natural and recombinant forms. <i>Annals of Allergy, Asthma and Immunology</i> , 2006 , 96, 557-63	3.2	22
85	Proteomic mapping of p53 immunogenicity in pancreatic, ovarian, and breast cancers. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 720-31	3.1	22
84	Designing antibodies for the inhibition of gastrin activity in tumoral cell lines. <i>International Journal of Cancer</i> , 2008 , 122, 2351-9	7.5	20
83	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	3.9	20
82	Cystatin D locates in the nucleus at sites of active transcription and modulates gene and protein expression. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26533-48	5.4	19

81	Identification of prefrontal cortex protein alterations in Alzheimer's disease. <i>Oncotarget</i> , 2018 , 9, 108473-108671	3.9	19
80	Disposable Amperometric Immunosensor for the Determination of Human P53 Protein in Cell Lysates Using Magnetic Micro-Carriers. <i>Biosensors</i> , 2016 , 6,	5.9	19
79	Electrochemical sensor for rapid determination of fibroblast growth factor receptor 4 in raw cancer cell lysates. <i>PLoS ONE</i> , 2017 , 12, e0175056	3.7	17
78	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	4.4	17
77	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	7.8	16
76	Clinical implications of the deregulated TP73 isoforms expression in cancer. <i>Clinical and Translational Oncology</i> , 2018 , 20, 827-836	3.6	16
75	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	4.4	15
74	Magnetic beads-based electrochemical immunosensing of HIF-1 α biomarker of tumoral hypoxia. <i>Sensors and Actuators B: Chemical</i> , 2020 , 307, 127623	8.5	15
73	Delineation of the Olive Pollen Proteome and Its Allergenome Unmasks Cyclophilin as a Relevant Cross-Reactive Allergen. <i>Journal of Proteome Research</i> , 2019 , 18, 3052-3066	5.6	14
72	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breast-cancer Related Receptors in Raw Cell Lysates. <i>Electroanalysis</i> , 2016 , 28, 1787-1794	3	14
71	A recombinant Sal k 1 isoform as an alternative to the polymorphic allergen from <i>Salsola kali</i> pollen for allergy diagnosis. <i>International Archives of Allergy and Immunology</i> , 2015 , 167, 83-93	3.7	13
70	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	12.1	13
69	Mapping the Spatial Proteome of Metastatic Cells in Colorectal Cancer. <i>Proteomics</i> , 2017 , 17, 1700094	4.8	13
68	Airway Epithelium Plays a Leading Role in the Complex Framework Underlying Respiratory Allergy. <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2017 , 27, 346-355	2.3	13
67	Ash pollen immunoproteomics: identification, immunologic characterization, and sequencing of 6 new allergens. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 923-6.e3	11.5	13
66	Amaranthaceae pollens: review of an emerging allergy in the mediterranean area. <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2014 , 24, 371-81; quiz 2 p preceding 382	2.3	13
65	Enlightening the advancements in electrochemical bioanalysis for the diagnosis of Alzheimer's disease and other neurodegenerative disorders. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 189, 113437	3.5	12
64	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	8.5	12

63	Antibodies on demand: a fast method for the production of human scFvs with minimal amounts of antigen. <i>BMC Biotechnology</i> , 2011 , 11, 61	3.5	11
62	Role of profilin and polcalcin in chenopod pollen allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2003 , 111, 1132-3	11.5	11
61	Carbon/Inorganic Hybrid Nanoarchitectures as Carriers for Signaling Elements in Electrochemical Immunosensors: First Biosensor for the Determination of the Inflammatory and Metastatic Processes Biomarker RANK-ligand. <i>ChemElectroChem</i> , 2020 , 7, 810-820	4.3	11
60	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	4.9	10
59	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	2.5	10
58	Sal k 5, a member of the widespread Ole e 1-like protein family, is a new allergen of Russian thistle (<i>Salsola kali</i>) pollen. <i>International Archives of Allergy and Immunology</i> , 2014 , 163, 142-53	3.7	10
57	Disposable Amperometric Immunosensor for the Determination of the E-Cadherin Tumor Suppressor Protein in Cancer Cells and Human Tissues. <i>Electroanalysis</i> , 2019 , 31, 309-317	3	10
56	Amperometric determination of endoglin in human serum using disposable immunosensors constructed with poly(pyrrolepropionic) acid-modified electrodes. <i>Electrochimica Acta</i> , 2018 , 292, 887-894	6.7	10
55	A relevant IgE-reactive 28kDa protein identified from <i>Salsola kali</i> pollen extract by proteomics is a natural degradation product of an integral 47kDa polygalacturonase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 1067-1076	4	9
54	Bioluminescent detection of zearalenone using recombinant peptidomimetic Gaussia luciferase fusion protein. <i>Mikrochimica Acta</i> , 2020 , 187, 547	5.8	9
53	A Hypoallergenic Polygalacturonase Isoform from Olive Pollen Is Implicated in Pollen-Pollen Cross-Reactivity. <i>International Archives of Allergy and Immunology</i> , 2018 , 177, 290-301	3.7	9
52	Click chemistry-assisted antibodies immobilization for immunosensing of CXCL7 chemokine in serum. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 837, 246-253	4.1	8
51	Electrochemical biosensing to move forward in cancer epigenetics and metastasis: A review. <i>Analytica Chimica Acta</i> , 2020 , 1109, 169-190	6.6	8
50	Development and comparison of mimotope-based immunoassays for the analysis of fumonisin B. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6801-6811	4.4	8
49	Surface Activity as a Crucial Factor of the Biological Actions of Ole e 1, the Main Aeroallergen of Olive Tree (<i>Olea europaea</i>) Pollen. <i>Langmuir</i> , 2016 , 32, 11055-11062	4	8
48	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	3.5	8
47	Dual Amperometric Immunosensor for Improving Cancer Metastasis Detection by the Simultaneous Determination of Extracellular and Soluble Circulating Fraction of Emerging Metastatic Biomarkers. <i>Electroanalysis</i> , 2020 , 32, 706-714	3	8
46	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	6.2	8

45	Proteomic Analysis of Low-Grade, Early-Stage Endometrial Carcinoma Reveals New Dysregulated Pathways Associated with Cell Death and Cell Signaling. <i>Cancers</i> , 2021 , 13,	6.6	8
44	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	3.6	8
43	A recombinant isoform of the Ole e 7 olive pollen allergen assembled by de novo mass spectrometry retains the allergenic ability of the natural allergen. <i>Journal of Proteomics</i> , 2018 , 187, 39-46	2.9	7
42	The natural profilin from Russian thistle (<i>Salsola kali</i>) contains a low IgE-binding ability isoform—molecular and immunological characterization. <i>FEBS Journal</i> , 2012 , 279, 4338-49	5.7	7
41	Binding of CDR-derived peptides is mechanistically different from that of high-affinity parental antibodies. <i>Journal of Molecular Recognition</i> , 2010 , 23, 559-68	2.6	7
40	Electrochemical immunoplatfom to assist in the diagnosis and classification of breast cancer through the determination of matrix-metalloproteinase-9. <i>Talanta</i> , 2021 , 225, 122054	6.2	7
39	Magnetic microbeads-based amperometric immunoplatfom for the rapid and sensitive detection of N6-methyladenosine to assist in metastatic cancer cells discrimination. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112708	11.8	7
38	New insights into the sensitization to nonspecific lipid transfer proteins from pollen and food: New role of allergen Ole e 7. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 798-807	9.3	6
37	Electrochemical immunoplatfom to unravel neurodegeneration and Alzheimer's disease through the determination of neurofilament light protein. <i>Electrochimica Acta</i> , 2021 , 371, 137815	6.7	6
36	Multiplexed biosensing diagnostic platfoms 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 ,	9.7	6
35	Data from proteomic characterization of the role of Snail1 in murine mesenchymal stem cells and 3T3-L1 fibroblasts differentiation. <i>Data in Brief</i> , 2015 , 4, 606-13	1.2	5
34	Fast and sensitive diagnosis of autoimmune disorders through amperometric biosensing of serum anti-dsDNA autoantibodies. <i>Biosensors and Bioelectronics</i> , 2020 , 160, 112233	11.8	5
33	Effects of Ole e 1 on Human Bronchial Epithelial Cells Cultured at the Air-Liquid Interface. <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2018 , 28, 186-189	2.3	5
32	Affinity maturation by semi-rational approaches. <i>Methods in Molecular Biology</i> , 2012 , 907, 463-86	1.4	5
31	Biophysical and biological impact on the structure and IgE-binding of the interaction of the olive pollen allergen Ole e 7 with lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183258	3.8	4
30	La pollinose au frêne : donnèes palynologiques, description des allergènes et réaction croisée. <i>Revue Francaise D'allergologie Et D'immunologie Clinique</i> , 2005 , 45, 395-405		4
29	Colorectal Cancer Circulating Biomarkers 2014 , 1-21		3
28	Ole e 15 and its human counterpart -PPIA- chimeras reveal an heterogeneous IgE response in olive pollen allergic patients. <i>Scientific Reports</i> , 2019 , 9, 15027	4.9	3

27	Anticipating metastasis through electrochemical immunosensing of tumor hypoxia biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	3
26	Electrochemical biosensing to assist multiomics analysis in precision medicine. <i>Current Opinion in Electrochemistry</i> , 2021 , 28, 100703	7.2	3
25	Recombinant antibodies and their use for food immunoanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	3
24	Multiplexed magnetic beads-assisted amperometric bioplatfroms for global detection of methylations in nucleic acids. <i>Analytica Chimica Acta</i> , 2021 , 1182, 338946	6.6	3
23	Sensitization to pig albumin and gamma-globulin responsible for occupational respiratory allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006 , 61, 143-4	9.3	2
22	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,	7.9	2
21	Multiomics Profiling of Alzheimer's Disease Serum for the Identification of Autoantibody Biomarkers. <i>Journal of Proteome Research</i> , 2021 , 20, 5115-5130	5.6	2
20	Protein Microarrays in Neurodegenerative Diseases. <i>Neuromethods</i> , 2017 , 43-62	0.4	2
19	Colorectal Cancer Circulating Biomarkers. <i>Biomarkers in Disease</i> , 2015 , 573-599		2
18	Phage-Derived and Aberrant HaloTag Peptides Immobilized on Magnetic Microbeads for Amperometric Biosensing of Serum Autoantibodies and Alzheimer's Disease Diagnosis. <i>Analysis & Sensing</i> ,		2
17	Unraveling autoimmune and neurodegenerative diseases by amperometric serological detection of antibodies against aquaporin-4.. <i>Bioelectrochemistry</i> , 2021 , 144, 108041	5.6	1
16	Protein Microarray-Based Proteomics for Disease Analysis. <i>Methods in Molecular Biology</i> , 2021 , 2344, 3-6	1.4	1
15	Protein Microarrays for Ocular Diseases. <i>Methods in Molecular Biology</i> , 2021 , 2344, 239-265	1.4	1
14	Electrochemical immunosensing of Growth arrest-specific 6 in human plasma and tumor cell secretomes. <i>Electrochemical Science Advances</i> , e2100096		1
13	Identification of high-affinity phage-displayed VH fragments by use of a quartz crystal microbalance with dissipation monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021 , 340, 129954	8.5	1
12	Binary MoS nanostructures as nanocarriers for amplification in multiplexed electrochemical immunosensing: simultaneous determination of B cell activation factor and proliferation-induced signal immunity-related cytokines.. <i>Mikrochimica Acta</i> , 2022 , 189, 143	5.8	1
11	Empowering Electrochemical Biosensing through Nanostructured or Multifunctional Nucleic Acid or Peptide Biomaterials. <i>Advanced Materials Technologies</i> , 2200310	6.8	1
10	Assisting dementia diagnosis through the electrochemical immunosensing of glial fibrillary acidic protein.. <i>Talanta</i> , 2022 , 246, 123526	6.2	1

9	Analysis of Protein-Protein Interactions by Protein Microarrays. <i>Methods in Molecular Biology</i> , 2021 , 2344, 81-97	1.4	○
8	Aryl hydrocarbon receptor interacting protein (AIP) significantly influences prognosis of pancreatic carcinoma. <i>Annals of Diagnostic Pathology</i> , 2021 , 53, 151742	2.2	○
7	Simultaneous electrochemical immunosensing of relevant cytokines to diagnose and track cancer and autoimmune diseases. <i>Bioelectrochemistry</i> , 2022 , 108157	5.6	○
6	Improving Cancer Outcomes through Electrochemical Biosensing of Early Diagnosis/Prognosis Biomarkers in Human Biopsies. <i>Proceedings (mdpi)</i> , 2017 , 1, 759	0.3	
5	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , 2017 , 27, 17-20		
4	Rhinite et asthme professionnels par sensibilisation aux allergènes de porc (albumine, gammaglobulines et protéine de 26 kDa). <i>Revue Française D'allergologie Et D'immunologie Clinique</i> , 2006 , 46, 31-35		
3	The structure of 2 EF-hand calcium binding allergen Che a 3. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004 , 60, s128-s128		
2	Protein Microarrays: Valuable Tools for Ocular Diseases Research. <i>Current Medicinal Chemistry</i> , 2020 , 27, 4549-4566	4.3	
1	Phage Microarrays for Screening of Humoral Immune Responses. <i>Methods in Molecular Biology</i> , 2021 , 2344, 31-46	1.4	