

# Virginia Espina

## List of Publications by Citations

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156  
papers

10,087  
citations

48  
h-index

99  
g-index

161  
ext. papers

10,982  
ext. citations

6.1  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
156	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.	14.2	2783
155	Laser-capture microdissection. <i>Nature Protocols</i> , <b>2006</b> , 1, 586-603	18.8	504
154	Proteomic profiling of the NCI-60 cancer cell lines using new high-density reverse-phase lysate microarrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 14229-34	11.5	415
153	Protein microarrays: meeting analytical challenges for clinical applications. <i>Cancer Cell</i> , <b>2003</b> , 3, 317-25	24.3	400
152	Adipocyte-derived collagen VI affects early mammary tumor progression in vivo, demonstrating a critical interaction in the tumor/stroma microenvironment. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 1163-76	15.9	274
151	Use of reverse phase protein microarrays and reference standard development for molecular network analysis of metastatic ovarian carcinoma. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 346-55	7.6	244
150	Phosphoprotein pathway mapping: Akt/mammalian target of rapamycin activation is negatively associated with childhood rhabdomyosarcoma survival. <i>Cancer Research</i> , <b>2007</b> , 67, 3431-40	10.1	210
149	Protein microarrays: molecular profiling technologies for clinical specimens. <i>Proteomics</i> , <b>2003</b> , 3, 2091-1008	10.8	209
148	Tumorigenic and metastatic activity of human thyroid cancer stem cells. <i>Cancer Research</i> , <b>2010</b> , 70, 8874-851	11.5	177
147	A portrait of tissue phosphoprotein stability in the clinical tissue procurement process. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 1998-2018	7.6	165
146	Smart hydrogel particles: biomarker harvesting: one-step affinity purification, size exclusion, and protection against degradation. <i>Nano Letters</i> , <b>2008</b> , 8, 350-61	11.5	159
145	Mapping molecular networks using proteomics: a vision for patient-tailored combination therapy. <i>Journal of Clinical Oncology</i> , <b>2005</b> , 23, 3614-21	2.2	158
144	Protein microarray detection strategies: focus on direct detection technologies. <i>Journal of Immunological Methods</i> , <b>2004</b> , 290, 121-33	2.5	157
143	Laser capture microdissection technology. <i>Expert Review of Molecular Diagnostics</i> , <b>2007</b> , 7, 647-57	3.8	140
142	Safety and Biologic Response of Pre-operative Autophagy Inhibition in Combination with Gemcitabine in Patients with Pancreatic Adenocarcinoma. <i>Annals of Surgical Oncology</i> , <b>2015</b> , 22, 4402-10 <sup>3.1</sup>	3.1	138
141	A phase II and pharmacodynamic study of gefitinib in patients with refractory or recurrent epithelial ovarian cancer. <i>Cancer</i> , <b>2007</b> , 109, 1323-30	6.4	124
140	Serum proteomics in cancer diagnosis and management. <i>Annual Review of Medicine</i> , <b>2004</b> , 55, 97-112	17.4	116

139	Multiplexed cell signaling analysis of human breast cancer applications for personalized therapy. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 1508-17	5.6	113
138	Pegylated, streptavidin-conjugated quantum dots are effective detection elements for reverse-phase protein microarrays. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 559-66	6.3	113
137	Reverse phase protein microarrays advance to use in clinical trials. <i>Molecular Oncology</i> , <b>2010</b> , 4, 461-81	7.9	112
136	Malignant precursor cells pre-exist in human breast DCIS and require autophagy for survival. <i>PLoS ONE</i> , <b>2010</b> , 5, e10240	3.7	109
135	CSF proteome: a protein repository for potential biomarker identification. <i>Expert Review of Proteomics</i> , <b>2005</b> , 2, 57-70	4.2	99
134	Proteomic analysis of apoptotic pathways reveals prognostic factors in follicular lymphoma. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 5847-55	12.9	99
133	Clinical proteomics: revolutionizing disease detection and patient tailoring therapy. <i>Journal of Proteome Research</i> , <b>2004</b> , 3, 209-17	5.6	96
132	Laser capture microdissection and protein microarray analysis of human non-small cell lung cancer: differential epidermal growth factor receptor (EGFR) phosphorylation events associated with mutated EGFR compared with wild type. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 1902-24	7.6	93
131	Molecular analysis of HER2 signaling in human breast cancer by functional protein pathway activation mapping. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 6426-35	12.9	88
130	What is the malignant nature of human ductal carcinoma in situ?. <i>Nature Reviews Cancer</i> , <b>2011</b> , 11, 68-75	11.3	82
129	Core-shell hydrogel particles harvest, concentrate and preserve labile low abundance biomarkers. <i>PLoS ONE</i> , <b>2009</b> , 4, e4763	3.7	82
128	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. <i>Experimental Cell Research</i> , <b>2013</b> , 319, 2113-2123	4.2	80
127	Multifunctional core-shell nanoparticles: discovery of previously invisible biomarkers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19178-88	16.4	79
126	Use of proteomic analysis to monitor responses to biological therapies. <i>Expert Opinion on Biological Therapy</i> , <b>2004</b> , 4, 83-93	5.4	77
125	Genomic and proteomic technologies for individualisation and improvement of cancer treatment. <i>European Journal of Cancer</i> , <b>2004</b> , 40, 2623-32	7.5	77
124	Tissue is alive: New technologies are needed to address the problems of protein biomarker pre-analytical variability. <i>Proteomics - Clinical Applications</i> , <b>2009</b> , 3, 874-882	3.1	75
123	Reverse-phase protein microarrays: application to biomarker discovery and translational medicine. <i>Expert Review of Molecular Diagnostics</i> , <b>2007</b> , 7, 625-33	3.8	69
122	Proteomic analysis of malignant ovarian cancer effusions as a tool for biologic and prognostic profiling. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 791-9	12.9	68

121	Biomarkers of ovarian tumours. <i>European Journal of Cancer</i> , <b>2004</b> , 40, 2604-12	7.5	68
120	The needle in the haystack: application of breast fine-needle aspirate samples to quantitative protein microarray technology. <i>Cancer</i> , <b>2007</b> , 111, 173-84	6.4	66
119	One-step preservation of phosphoproteins and tissue morphology at room temperature for diagnostic and research specimens. <i>PLoS ONE</i> , <b>2011</b> , 6, e23780	3.7	66
118	A Randomized Phase II Preoperative Study of Autophagy Inhibition with High-Dose Hydroxychloroquine and Gemcitabine/Nab-Paclitaxel in Pancreatic Cancer Patients. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 3126-3134	12.9	64
117	Physicochemically modified silicon as a substrate for protein microarrays. <i>Biomaterials</i> , <b>2007</b> , 28, 550-8	15.6	61
116	Current state of the art for enhancing urine biomarker discovery. <i>Expert Review of Proteomics</i> , <b>2016</b> , 13, 609-26	4.2	60
115	Pathology of the Future: Molecular Profiling for Targeted Therapy. <i>Cancer Investigation</i> , <b>2005</b> , 23, 36-46	2.1	58
114	A prospective analysis of imatinib-induced c-KIT modulation in ovarian cancer: a phase II clinical study with proteomic profiling. <i>Cancer</i> , <b>2007</b> , 110, 309-17	6.4	57
113	A transforming growth factor-beta receptor-interacting protein frequently mutated in human ovarian cancer. <i>Cancer Research</i> , <b>2005</b> , 65, 6526-33	10.1	55
112	Accurate diagnosis of acute graft-versus-host disease using serum proteomic pattern analysis. <i>Experimental Hematology</i> , <b>2006</b> , 34, 796-801	3.1	53
111	PMCA2 regulates HER2 protein kinase localization and signaling and promotes HER2-mediated breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E282-90	11.5	51
110	Laser capture microdissection. <i>Methods in Molecular Biology</i> , <b>2006</b> , 319, 213-29	1.4	50
109	Concentration and Preservation of Very Low Abundance Biomarkers in Urine, such as Human Growth Hormone (hGH), by Cibacron Blue F3G-A Loaded Hydrogel Particles. <i>Nano Research</i> , <b>2008</b> , 1, 502-518	10.1	49
108	Pathologic complete response after preoperative anti-HER2 therapy correlates with alterations in PTEN, FOXO, phosphorylated Stat5, and autophagy protein signaling. <i>BMC Research Notes</i> , <b>2013</b> , 6, 507	2.3	47
107	Quantitative cell signalling analysis reveals down-regulation of MAPK pathway activation in colorectal cancer. <i>Journal of Pathology</i> , <b>2009</b> , 218, 514-9	9.4	47
106	The heme degradation pathway is a promising serum biomarker source for the early detection of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 19, 1081-91	4.3	45
105	Reverse-phase phosphoproteome analysis of signaling pathways induced by Rift valley fever virus in human small airway epithelial cells. <i>PLoS ONE</i> , <b>2010</b> , 5, e13805	3.7	42
104	The use of hydrogel microparticles to sequester and concentrate bacterial antigens in a urine test for Lyme disease. <i>Biomaterials</i> , <b>2011</b> , 32, 1157-66	15.6	41

103	Application of Nanotrap technology for high sensitivity measurement of urinary outer surface protein A carboxyl-terminus domain in early stage Lyme borreliosis. <i>Journal of Translational Medicine</i> , <b>2015</b> , 13, 346	8.5	40
102	Laser capture microdissection for protein and NanoString RNA analysis. <i>Methods in Molecular Biology</i> , <b>2013</b> , 931, 213-57	1.4	40
101	A novel biomarker harvesting nanotechnology identifies Bak as a candidate melanoma biomarker in serum. <i>Experimental Dermatology</i> , <b>2011</b> , 20, 29-34	4	39
100	Functional protein network activation mapping reveals new potential molecular drug targets for poor prognosis pediatric BCP-ALL. <i>PLoS ONE</i> , <b>2010</b> , 5, e13552	3.7	38
99	Glioblastoma cell enrichment is critical for analysis of phosphorylated drug targets and proteomic-genomic correlations. <i>Cancer Research</i> , <b>2014</b> , 74, 818-28	10.1	37
98	Protein painting reveals solvent-excluded drug targets hidden within native protein-protein interfaces. <i>Nature Communications</i> , <b>2014</b> , 5, 4413	17.4	36
97	Protein biomarkers for subtyping breast cancer and implications for future research. <i>Expert Review of Proteomics</i> , <b>2018</b> , 15, 131-152	4.2	35
96	Reverse phase protein arrays: mapping the path towards personalized medicine. <i>Molecular Diagnosis and Therapy</i> , <b>2014</b> , 18, 619-30	4.5	31
95	Activated VEGF receptor shed into the vitreous in eyes with wet AMD: a new class of biomarkers in the vitreous with potential for predicting the treatment timing and monitoring response. <i>JAMA Ophthalmology</i> , <b>2009</b> , 127, 613-21		31
94	Students who demonstrate strong talent and interest in STEM are initially attracted to STEM through extracurricular experiences. <i>CBE Life Sciences Education</i> , <b>2014</b> , 13, 687-97	3.4	30
93	Elevated TNFR1 and serotonin in bone metastasis are correlated with poor survival following bone metastasis diagnosis for both carcinoma and sarcoma primary tumors. <i>Clinical Cancer Research</i> , <b>2013</b> , 19, 2473-85	12.9	28
92	Application of laser microdissection and reverse-phase protein microarrays to the molecular profiling of cancer signal pathway networks in the tissue microenvironment. <i>Clinics in Laboratory Medicine</i> , <b>2009</b> , 29, 1-13	2.1	28
91	Use of proteomic patterns to screen for gastrointestinal malignancies. <i>Surgery</i> , <b>2004</b> , 135, 243-7	3.6	28
90	Expression of xeroderma pigmentosum A protein predicts improved outcome in metastatic ovarian carcinoma. <i>Cancer</i> , <b>2005</b> , 103, 2313-9	6.4	28
89	Comparison of global versus epidermal growth factor receptor pathway profiling for prediction of lapatinib sensitivity in bladder cancer. <i>Neoplasia</i> , <b>2009</b> , 11, 1185-93	6.4	26
88	Reverse phase protein microarrays for monitoring biological responses. <i>Methods in Molecular Biology</i> , <b>2007</b> , 383, 321-36	1.4	25
87	Reverse-phase protein microarrays for theranostics and patient tailored therapy. <i>Methods in Molecular Biology</i> , <b>2009</b> , 520, 89-105	1.4	24
86	Nanoparticle technology: amplifying the effective sensitivity of biomarker detection to create a urine test for hGH. <i>Drug Testing and Analysis</i> , <b>2009</b> , 1, 447-54	3.5	24

85	Phosphoprotein stability in clinical tissue and its relevance for reverse phase protein microarray technology. <i>Methods in Molecular Biology</i> , <b>2011</b> , 785, 23-43	1.4	23
84	Improved data normalization methods for reverse phase protein microarray analysis of complex biological samples. <i>BioTechniques</i> , <b>2012</b> , 1-7	2.5	23
83	Laser capture microdissection: Arcturus(XT) infrared capture and UV cutting methods. <i>Methods in Molecular Biology</i> , <b>2012</b> , 823, 157-78	1.4	23
82	Reverse phase protein microarrays for theranostics and patient-tailored therapy. <i>Methods in Molecular Biology</i> , <b>2008</b> , 441, 113-28	1.4	22
81	Nanoparticle technology: Addressing the fundamental roadblocks to protein biomarker discovery. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5071-5077		21
80	Mapping protein signal pathway interaction in sarcoma bone metastasis: linkage between rank, metalloproteinases turnover and growth factor signaling pathways. <i>Clinical and Experimental Metastasis</i> , <b>2014</b> , 31, 15-24	4.7	20
79	Anthrax infection inhibits the AKT signaling involved in the E-cadherin-mediated adhesion of lung epithelial cells. <i>FEMS Immunology and Medical Microbiology</i> , <b>2009</b> , 56, 129-42		20
78	Inhibition of histone deacetylase 4 increases cytotoxicity of docetaxel in gastric cancer cells. <i>Proteomics - Clinical Applications</i> , <b>2014</b> , 8, 924-31	3.1	19
77	Molecular diagnostics. <i>Hematology American Society of Hematology Education Program</i> , <b>2003</b> , 2003, 279-331		17
76	High CerS5 expression levels associate with reduced patient survival and transition from apoptotic to autophagy signalling pathways in colorectal cancer. <i>Journal of Pathology: Clinical Research</i> , <b>2015</b> , 1, 54-65	5.3	16
75	Automated laser capture microdissection for tissue proteomics. <i>Methods in Molecular Biology</i> , <b>2008</b> , 441, 71-90	1.4	16
74	Pathology-Driven Comprehensive Proteomic Profiling of the Prostate Cancer Tumor Microenvironment. <i>Molecular Cancer Research</i> , <b>2017</b> , 15, 281-293	6.6	15
73	Rapamycin modulation of p70 S6 kinase signaling inhibits Rift Valley fever virus pathogenesis. <i>Antiviral Research</i> , <b>2017</b> , 143, 162-175	10.8	14
72	An Interventional Magnetic Resonance Imaging Technique for the Molecular Characterization of Intraprostatic Dynamic Contrast Enhancement. <i>Molecular Imaging</i> , <b>2005</b> , 4, 153535002005041	3.7	14
71	Reverse phase protein microarrays: fluorometric and colorimetric detection. <i>Methods in Molecular Biology</i> , <b>2011</b> , 723, 275-301	1.4	14
70	Molecular network analysis using reverse phase protein microarrays for patient tailored therapy. <i>Advances in Experimental Medicine and Biology</i> , <b>2008</b> , 610, 177-86	3.6	14
69	Reduction of preanalytical variability in specimen procurement for molecular profiling. <i>Methods in Molecular Biology</i> , <b>2012</b> , 823, 49-57	1.4	13
68	Development of acquired resistance to lapatinib may sensitise HER2-positive breast cancer cells to apoptosis induction by obatoclax and TRAIL. <i>BMC Cancer</i> , <b>2018</b> , 18, 965	4.8	13

67	Application of laser capture microdissection and protein microarray technologies in the molecular analysis of airway injury following pollution particle exposure. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2004</b> , 67, 851-61	3.2	12
66	Development of reverse phase protein microarrays for clinical applications and patient-tailored therapy. <i>Cancer Genomics and Proteomics</i> , <b>2007</b> , 4, 157-64	3.3	12
65	A preclinical evaluation of the MEK inhibitor refametinib in HER2-positive breast cancer cell lines including those with acquired resistance to trastuzumab or lapatinib. <i>Oncotarget</i> , <b>2017</b> , 8, 85120-85135	3.3	11
64	Proteomic Analysis Reveals Autophagy as Pro-Survival Pathway Elicited by Long-Term Exposure with 5-Azacitidine in High-Risk Myelodysplasia. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 204	5.6	10
63	Nitric oxide as a regulator of B. anthracis pathogenicity. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 921	5.7	9
62	Whole proteome analysis of mouse lymph nodes in cutaneous anthrax. <i>PLoS ONE</i> , <b>2014</b> , 9, e110873	3.7	9
61	A new model isolates glioblastoma clonal interactions and reveals unexpected modes for regulating motility, proliferation, and drug resistance. <i>Scientific Reports</i> , <b>2019</b> , 9, 17380	4.9	9
60	Chemokine-Releasing Nanoparticles for Manipulation of Lymph Node Microenvironment. <i>Nanomaterials</i> , <b>2015</b> , 5, 298-320	5.4	8
59	Stratification of clear cell renal cell carcinoma by signaling pathway analysis. <i>Expert Review of Proteomics</i> , <b>2014</b> , 11, 237-49	4.2	8
58	Hydrogel nanoparticle harvesting of plasma or urine for detecting low abundance proteins. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51789	1.6	8
57	Potential anti-cancer activity of 7-O-pentyl quercetin: Efficient, membrane-targeted kinase inhibition and pro-oxidant effect. <i>Pharmacological Research</i> , <b>2017</b> , 124, 9-19	10.2	8
56	Attacking breast cancer at the preinvasion stage by targeting autophagy. <i>Women's Health</i> , <b>2013</b> , 9, 157-70		8
55	Application of Analyte Harvesting Nanoparticle Technology to the Measurement of Urinary HGH in Healthy Individuals <b>2012</b> , 2,		8
54	RPPA: Origins, Transition to a Validated Clinical Research Tool, and Next Generations of the Technology. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1188, 1-19	3.6	8
53	Effects of HER Family-targeting Tyrosine Kinase Inhibitors on Antibody-dependent Cell-mediated Cytotoxicity in HER2-expressing Breast Cancer. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 807-818	12.9	8
52	Pathology of the future: molecular profiling for targeted therapy. <i>Cancer Investigation</i> , <b>2005</b> , 23, 36-46	2.1	8
51	An interventional magnetic resonance imaging technique for the molecular characterization of intraprostatic dynamic contrast enhancement. <i>Molecular Imaging</i> , <b>2005</b> , 4, 63-6	3.7	7
50	Reverse-Phase Microarray Analysis Reveals Novel Targets in Lymph Nodes of Bacillus anthracis Spore-Challenged Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129860	3.7	6

49	Manual exfoliation of fresh tissue obviates the need for frozen sections for molecular profiling. <i>Cancer</i> , <b>2005</b> , 105, 483-91	6.4	6
48	Local production of lactate, ribose phosphate, and amino acids within human triple-negative breast cancer. <i>Med</i> , <b>2021</b> , 2, 736-754	31.7	6
47	Stromal TRIM28-associated signaling pathway modulation within the colorectal cancer microenvironment. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 89	8.5	5
46	Ductal carcinoma in situ: challenges, opportunities, and uncharted waters. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , <b>2012</b> , 40-4	7.1	5
45	Different measures of HMGB1 location in cancer immunology. <i>Methods in Enzymology</i> , <b>2019</b> , 629, 195-217	7.7	5
44	Application of sector protein microarrays to clinical samples. <i>Clinical Proteomics</i> , <b>2004</b> , 1, 91-99	5	4
43	Protocol for the Mason: Health Starts Here prospective cohort study of young adult college students. <i>BMC Public Health</i> , <b>2021</b> , 21, 897	4.1	4
42	Chemokine-Releasing Microparticles Improve Bacterial Clearance and Survival of Anthrax Spore-Challenged Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163163	3.7	4
41	Combination Kinase Inhibitor Treatment Suppresses Rift Valley Fever Virus Replication. <i>Viruses</i> , <b>2018</b> , 10,	6.2	4
40	Proteomics for cancer drug design. <i>Expert Review of Proteomics</i> , <b>2019</b> , 16, 647-664	4.2	3
39	Laser Capture Proteomics: Spatial Tissue Molecular Profiling from the bench to personalized medicine. <i>Expert Review of Proteomics</i> , <b>2021</b> ,	4.2	3
38	Pathology of the Future: Molecular Profiling for Targeted Therapy		3
37	Encouraging long-term survival following autophagy inhibition using neoadjuvant hydroxychloroquine and gemcitabine for high-risk patients with resectable pancreatic carcinoma. <i>Cancer Medicine</i> , <b>2021</b> , 10, 7233-7241	4.8	3
36	Persistent CD49d engagement in circulating CLL cells: a role for blood-borne ligands?. <i>Leukemia</i> , <b>2016</b> , 30, 513-7	10.7	2
35	Dual-Color, Multiplex Analysis of Protein Microarrays for Precision Medicine. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1550, 149-170	1.4	2
34	One-Step Preservation and Decalcification of Bony Tissue for Molecular Profiling. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1606, 85-102	1.4	2
33	Evaluation of pathogen specific urinary peptides in tick-borne illnesses. <i>Scientific Reports</i> , <b>2020</b> , 10, 19340	4.9	2
32	Clinical Proteomics and Molecular Pathology <b>2009</b> , 165-183		2



31	Clinical phosphoproteomic profiling for personalized targeted medicine using reverse phase protein microarray. <i>Targeted Oncology</i> , <b>2006</b> , 1, 151	5	2
30	Role of proteomics in personalized medicine. <i>Personalized Medicine</i> , <b>2006</b> , 3, 223-226	2.2	2
29	Chloroquine enjoys a renaissance as an antineoplastic therapy. <i>Clinical Investigation</i> , <b>2013</b> , 3, 743-761		2
28	Lipoarabinomannan antigenic epitope differences in tuberculosis disease subtypes. <i>Scientific Reports</i> , <b>2020</b> , 10, 13944	4.9	2
27	Unlocking bone for proteomic analysis and FISH. <i>Laboratory Investigation</i> , <b>2019</b> , 99, 708-721	5.9	2
26	Tumor-Draining Lymph Secretome En Route to the Regional Lymph Node in Breast Cancer Metastasis. <i>Breast Cancer: Targets and Therapy</i> , <b>2020</b> , 12, 57-67	3.9	2
25	Treatment and Long-Term Risks for Patients With a Diagnosis of Ductal Carcinoma In Situ. <i>JAMA Oncology</i> , <b>2016</b> , 2, 395	13.4	1
24	Protein pathway analysis in Clinical Proteomics using protein microarrays. <i>Drug Discovery Today: Technologies</i> , <b>2005</b> , 2, 353-9	7.1	1
23	Comutation of and in Residual Disease After Preoperative Anti-HER2 Therapy in ERBB2 (HER2)-Amplified Early Breast Cancer.. <i>JCO Precision Oncology</i> , <b>2019</b> , 3, 1-26	3.6	1
22	Proteomic Analysis of Cardioembolic and Large Artery Atherosclerotic Clots Using Reverse Phase Protein Array Technology Reveals Key Cellular Interactions Within Clot Microenvironments. <i>Cureus</i> , <b>2021</b> , 13, e13499	1.2	1
21	Immune-modulating Activity of Hydrogel Microparticles Contributes to the Host Defense in a Murine Model of Cutaneous Anthrax. <i>Frontiers in Molecular Biosciences</i> , <b>2017</b> , 4, 62	5.6	0
20	Characterization and Validation of Arg286 Residue of IL-1RAcP as a Potential Drug Target for Osteoarthritis. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 601477	5	0
19	Clinical Proteomics and Molecular Pathology <b>2018</b> , 183-203		
18	Non-enzymatic, serum-free tissue culture of pre-invasive breast lesions for spontaneous generation of mammospheres. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51926	1.6	
17	Reverse Phase Protein Microarray Technology: Advances into the Clinical Research Arena <b>2013</b> , 349-361		
16	Applications of Proteomics to Metastasis Diagnosis and Individualized Therapy 475-485		
15	A response to the two faces of autophagy in DCIS. <i>Nature Reviews Cancer</i> , <b>2011</b> , 11, 618-618	31.3	
14	Clinical Proteomics and Molecular Pathology <b>2010</b> , 113-123		

- 13 Reverse Phase Protein Arrays. *Methods in Molecular Biology*, **2021**, 2237, 103-122 1.4
- 12 Protein Microarrays **2004**, 1083-1088
- 11 Proteomics of breast cancer **2006**, 101-113
- 10 Alterations of Cell Signaling Pathways in Pediatric B-ALL Patients.. *Blood*, **2006**, 108, 4427-4427 2.2
- 9 Clinical Proteomics **2008**, 231-239
- 8 Development and Use of Reversed-Phase Protein Microarrays for Clinical Applications 165-175
- 7 Solid Pin Protein Array Printing Platforms. *Advances in Experimental Medicine and Biology*, **2019**, 1188, 61-75 3.6
- 6 Ex Vivo Multiplexed Signal Pathway Inhibitor Treatment Reveals Differential Sensitivity of Myeloma and Non-Myeloma Bone Marrow Cell Populations.. *Blood*, **2009**, 114, 2860-2860 2.2
- 5 Treatment with TKIs Overcomes Imatinib Resistance through the PLCgamma-1 Signaling Pathway In Imatinib Resistant Human CML Cell Lines. *Blood*, **2010**, 116, 4468-4468 2.2
- 4 Serotonin Dysregulation Correlates with Both Bone and Active Disease In Multiple Myeloma. *Blood*, **2010**, 116, 1920-1920 2.2
- 3 Proteomic and Genomic Profile of High-Risk MDS After Treatment with 5-Azacytidine,. *Blood*, **2011**, 118, 3818-3818 2.2
- 2 Circulating CLL Cells Expressing CD49d Display a Phospho-Proteomic Profile Consistent with a Constitutive Receptor Engagement by Blood-Borne Ligands. *Blood*, **2012**, 120, 930-930 2.2
- 1 Clinical proteomics and molecular pathology **2020**, 149-163