List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Structural basis for inhibition of the RNA-dependent RNA polymerase from SARS-CoV-2 by remdesivir. Science, 2020, 368, 1499-1504.	12.6	950
2	SARS-CoV-2 Orf9b suppresses type I interferon responses by targeting TOM70. Cellular and Molecular Immunology, 2020, 17, 998-1000.	10.5	280
3	Protein Acetylation Microarray Reveals that NuA4 Controls Key Metabolic Target Regulating Gluconeogenesis. Cell, 2009, 136, 1073-1084.	28.9	279
4	SARS-CoV-2 proteome microarray for global profiling of COVID-19 specific IgG and IgM responses. Nature Communications, 2020, 11, 3581.	12.8	251
5	Lectin microarrays identify cell-specific and functionally significant cell surface glycan markers. Glycobiology, 2008, 18, 761-769.	2.5	184
6	Linear epitopes of SARS-CoV-2 spike protein elicit neutralizing antibodies in COVID-19 patients. Cellular and Molecular Immunology, 2020, 17, 1095-1097.	10.5	168
7	Linear epitope landscape of the SARS-CoV-2 Spike protein constructed from 1,051 COVID-19 patients. Cell Reports, 2021, 34, 108915.	6.4	127
8	Systematic identification of arsenic-binding proteins reveals that hexokinase-2 is inhibited by arsenic. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15084-15089.	7.1	126
9	A proteome chip approach reveals new DNA damage recognition activities in Escherichia coli. Nature Methods, 2008, 5, 69-74.	19.0	121
10	Antibody dynamics to SARS oVâ€2 in asymptomatic COVIDâ€19 infections. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 551-561.	5.7	107
11	Protein chip fabrication by capture of nascent polypeptides. Nature Biotechnology, 2006, 24, 1253-1254.	17.5	90
12	Advances and Utility of the Human Plasma Proteome. Journal of Proteome Research, 2021, 20, 5241-5263.	3.7	86
13	Identification of Serum Biomarkers for Gastric Cancer Diagnosis Using a Human Proteome Microarray. Molecular and Cellular Proteomics, 2016, 15, 614-623.	3.8	82
14	Global analysis of the glycoproteome in <i>Saccharomyces cerevisiae</i> reveals new roles for protein glycosylation in eukaryotes. Molecular Systems Biology, 2009, 5, 308.	7.2	79
15	Mycobacterium Tuberculosis Proteome Microarray for Global Studies of Protein Function and Immunogenicity. Cell Reports, 2014, 9, 2317-2329.	6.4	77
16	Cordycepin induces cell cycle arrest and apoptosis by inducing DNA damage and up-regulation of p53 in Leukemia cells. Cell Cycle, 2015, 14, 761-771.	2.6	75
17	Current applications of antibody microarrays. Clinical Proteomics, 2018, 15, 7.	2.1	75
18	Detection and Verification of Glycosylation Patterns of Glycoproteins from Clinical Specimens Using Lectin Microarrays and Lectin-Based Immunosorbent Assays. Analytical Chemistry, 2011, 83, 8509-8516.	6.5	71

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19	Functional Dissection of a HECT Ubiquitin E3 Ligase. Molecular and Cellular Proteomics, 2008, 7, 35-45.	3.8	70
20	Applications of Protein Microarray Technology. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 706-718.	1.1	67
21	Microfluidic chip integrating high throughput continuous-flow PCR and DNA hybridization for bacteria analysis. Talanta, 2014, 122, 246-250.	5.5	64
22	Global Profiling of Protein Lysine Malonylation in <i>Escherichia coli</i> Reveals Its Role in Energy Metabolism. Journal of Proteome Research, 2016, 15, 2060-2071.	3.7	63
23	Bcl2-associated Athanogene 3 Interactome Analysis Reveals a New Role in Modulating Proteasome Activity. Molecular and Cellular Proteomics, 2013, 12, 2804-2819.	3.8	62
24	MACRO: A Combined Microchip-PCR and Microarray System for High-Throughput Monitoring of Genetically Modified Organisms. Analytical Chemistry, 2014, 86, 1269-1276.	6.5	61
25	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. Journal of Proteome Research, 2018, 17, 4097-4112.	3.7	60
26	Skp1 in lung cancer: clinical significance and therapeutic efficacy of its small molecule inhibitors. Oncotarget, 2015, 6, 34953-34967.	1.8	53
27	YcgC represents a new protein deacetylase family in prokaryotes. ELife, 2015, 4, .	6.0	52
28	Characterization of Protein Lysine Propionylation in <i>Escherichia coli</i> : Global Profiling, Dynamic Change, and Enzymatic Regulation. Journal of Proteome Research, 2016, 15, 4696-4708.	3.7	50
29	Lectin RCA-I specifically binds to metastasis-associated cell surface glycans in triple-negative breast cancer. Breast Cancer Research, 2015, 17, 36.	5.0	48
30	Protein Arrays on Patterned Porous Gold Substrates Interrogated with Mass Spectrometry:  Detection of Peptides in Plasma. Analytical Chemistry, 2008, 80, 1448-1458.	6.5	47
31	Protein microarrays for systems biology. Acta Biochimica Et Biophysica Sinica, 2011, 43, 161-171.	2.0	47
32	Systematic evaluation of IgG responses to SARS-CoV-2 spike protein-derived peptides for monitoring COVID-19 patients. Cellular and Molecular Immunology, 2021, 18, 621-631.	10.5	43
33	Identification of Novel 14-3-3ζ Interacting Proteins by Quantitative Immunoprecipitation Combined with Knockdown (QUICK). Journal of Proteome Research, 2010, 9, 5848-5858.	3.7	40
34	The Ser/Thr Protein Kinase Protein-Protein Interaction Map of M. tuberculosis*. Molecular and Cellular Proteomics, 2017, 16, 1491-1506.	3.8	39
35	Multiplex sample-to-answer detection of bacteria using a pipette-actuated capillary array comb with integrated DNA extraction, isothermal amplification, and smartphone detection. Lab on A Chip, 2018, 18, 2854-2864.	6.0	37
36	Profiling Lipid–protein Interactions Using Nonquenched Fluorescent Liposomal Nanovesicles and Proteome Microarrays. Molecular and Cellular Proteomics, 2012, 11, 1177-1190.	3.8	36

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37	Global identification of <i>O</i> â€GlcNAc transferase (OGT) interactors by a human proteome microarray and the construction of an OGT interactome. Proteomics, 2014, 14, 1020-1030.	2.2	35
38	Global identification of CobB interactors by an <italic>Escherichia coli</italic> proteome microarray. Acta Biochimica Et Biophysica Sinica, 2014, 46, 548-555.	2.0	33
39	Comprehensive profiling of accessible surface glycans of mammalian sperm using a lectin microarray. Clinical Proteomics, 2014, 11, 10.	2.1	32
40	Antibody landscape against SARS-CoV-2 reveals significant differences between non-structural/accessory and structural proteins. Cell Reports, 2021, 36, 109391.	6.4	32
41	Longitudinal serum autoantibody repertoire profiling identifies surgery-associated biomarkers in lung adenocarcinoma. EBioMedicine, 2020, 53, 102674.	6.1	30
42	Antibody Binding Epitope Mapping (AbMap) of Hundred Antibodies in a Single Run. Molecular and Cellular Proteomics, 2021, 20, 100059.	3.8	30
43	Systematic profiling of SARS-CoV-2-specific IgG responses elicited by an inactivated virus vaccine identifies peptides and proteins for predicting vaccination efficacy. Cell Discovery, 2021, 7, 67.	6.7	29
44	Quantitative Phosphoproteomics of Proteasome Inhibition in Multiple Myeloma Cells. PLoS ONE, 2010, 5, e13095.	2.5	28
45	Reversibly acetylated lysine residues play important roles in the enzymatic activity of <i><scp>E</scp>scherichiaÂcoli <scp>N</scp></i> â€hydroxyarylamine <i><scp>O</scp></i> â€acetyltransferase. FEBS Journal, 2013, 280, 1966-1979.	4.7	28
46	Interplay between the bacterial protein deacetylase CobB and the second messenger câ€di― <scp>GMP</scp> . EMBO Journal, 2019, 38, e100948.	7.8	28
47	Lectin binding of human sperm associates with DEFB126 mutation and serves as a potential biomarker for subfertility. Scientific Reports, 2016, 6, 20249.	3.3	25
48	Cyclic di-GMP regulates Mycobacterium tuberculosis resistance to ethionamide. Scientific Reports, 2017, 7, 5860.	3.3	25
49	RIG-I regulates myeloid differentiation by promoting TRIM25-mediated ISGylation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14395-14404.	7.1	25
50	A graphene oxide coated tapered microfiber acting as a super-sensor for rapid detection of SARS-CoV-2. Lab on A Chip, 2021, 21, 2398-2406.	6.0	25
51	Fluorescent Protein Nanowire-Mediated Protein Microarrays for Multiplexed and Highly Sensitive Pathogen Detection. ACS Applied Materials & Interfaces, 2016, 8, 17472-17477.	8.0	24
52	Multiplex and visual detection of African Swine Fever Virus (ASFV) based on Hive-Chip and direct loop-mediated isothermal amplification. Analytica Chimica Acta, 2020, 1140, 30-40.	5.4	23
53	Quantitative Proteomic Analysis of Tumor Reversion in Multiple Myeloma Cells. Journal of Proteome Research, 2011, 10, 845-855.	3.7	22
54	Discovering cancer biomarkers from clinical samples by protein microarrays. Proteomics - Clinical Applications, 2015, 9, 98-110.	1.6	22

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55	A Human Lectin Microarray for Sperm Surface Glycosylation Analysis. Molecular and Cellular Proteomics, 2016, 15, 2839-2851.	3.8	22
56	Proteomic identification of the oncoprotein STAT3 as a target of a novel Skp1 inhibitor. Oncotarget, 2017, 8, 2681-2693.	1.8	22
57	An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. Science Advances, 2020, 6, eaax2271.	10.3	22
58	Protein Microarrays for Studies of Drug Mechanisms and Biomarker Discovery in the Era of Systems Biology. Current Pharmaceutical Design, 2014, 20, 49-55.	1.9	22
59	A universal multiplex PCR strategy for 100-plex amplification using a hydrophobically patterned microarray. Lab on A Chip, 2011, 11, 3609.	6.0	21
60	Visual detection of multiple genetically modified organisms in a capillary array. Lab on A Chip, 2017, 17, 521-529.	6.0	21
61	Comparison of Different Methods for Preparing Single Stranded DNA for Oligonucleotide Microarray. Analytical Letters, 2003, 36, 2849-2863.	1.8	20
62	Proteome microarray technology and application: higher, wider, and deeper. Expert Review of Proteomics, 2019, 16, 815-827.	3.0	19
63	Systematic Identification of Mycobacterium tuberculosis Effectors Reveals that BfrB Suppresses Innate Immunity. Molecular and Cellular Proteomics, 2017, 16, 2243-2253.	3.8	18
64	Lectin Microarrays: A Powerful Tool for Glycan-Based Biomarker Discovery. Combinatorial Chemistry and High Throughput Screening, 2011, 14, 711-719.	1.1	16
65	Construction of a metabolomics profile of arsenic trioxide effect in gastric carcinoma cell line SGC7901. Acta Biochimica Et Biophysica Sinica, 2016, 48, 474-481.	2.0	15
66	Systematic profiling of SARS-CoV-2-specific IgG epitopes at amino acid resolution. Cellular and Molecular Immunology, 2021, 18, 1067-1069.	10.5	14
67	Nsp2 has the potential to be a drug target revealed by global identification of SARS-CoV-2 Nsp2-interacting proteins. Acta Biochimica Et Biophysica Sinica, 2021, 53, 1134-1141.	2.0	14
68	Landscape of the RBD-specific IgG, IgM, and IgA responses triggered by the inactivated virus vaccine against the Omicron variant. Cell Discovery, 2022, 8, 15.	6.7	14
69	Identification of Serum Biomarkers for Systemic Lupus Erythematosus Using a Library of Phage Displayed Random Peptides and Deep Sequencing. Molecular and Cellular Proteomics, 2019, 18, 1851-1863.	3.8	13
70	The design and application of DNA chips for early detection of SARS-CoV from clinical samples. Journal of Clinical Virology, 2005, 33, 123-131.	3.1	11
71	Proteomic analysis of multiple myeloma: Current status and future perspectives. Proteomics - Clinical Applications, 2011, 5, 30-37.	1.6	11
72	PMD: A Resource for Archiving and Analyzing Protein Microarray data. Scientific Reports, 2016, 6, 19956.	3.3	11

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73	Global Profiling of PknG Interactions Using a Human Proteome Microarray Reveals Novel Connections with CypA. Proteomics, 2018, 18, e1800265.	2.2	11
74	Fatty acylCoA synthetase FadD13 regulates proinflammatory cytokine secretion dependent on the NFâ€₽B signalling pathway by binding to eEF1A1. Cellular Microbiology, 2019, 21, e13090.	2.1	11
75	Blocking oligo—a novel approach for improving chip-based DNA hybridization efficiency. Molecular and Cellular Probes, 2003, 17, 197-202.	2.1	10
76	An integrated micro-electro-fluidic and protein arraying system for parallel analysis of cell responses to controlled microenvironments. Integrative Biology (United Kingdom), 2010, 2, 416.	1.3	10
77	Systematic identification of the protein substrates of UDPâ€GalNAc:polypeptide Nâ€acetylgalactosaminyltransferase‶1/T2/T3 using a human proteome microarray. Proteomics, 2017, 17, 1600485.	2.2	10
78	Effects of Cryopreservation on Human Sperm Glycocalyx. Reproductive and Developmental Medicine, 2017, 1, 233-238.	0.5	10
79	Sensitive Detection of SARS Coronavirus RNA by a Novel Asymmetric Multiplex Nested RT-PCR Amplification Coupled With Oligonucleotide Microarray Hybridization. , 2005, 114, 59-78.		9
80	Global Identification of Prokaryotic Glycoproteins Based on an Escherichia coli Proteome Microarray. PLoS ONE, 2012, 7, e49080.	2.5	9
81	Identification of Serine 119 as an Effective Inhibitor Binding Site of M. tuberculosis Ubiquitin-like Protein Ligase PafA Using Purified Proteins and M. smegmatis. EBioMedicine, 2018, 30, 225-236.	6.1	9
82	Comparative analysis of human sperm glycocalyx from different freezability ejaculates by lectin microarray and identification of ABA as sperm freezability biomarker. Clinical Proteomics, 2018, 15, 19.	2.1	9
83	Unrestrictive identification of nonâ€phosphorylation PTMs in yeast kinases by MS and PTMap. Proteomics, 2010, 10, 896-903.	2.2	8
84	Proteomics: addressing the challenges of multiple myeloma. Acta Biochimica Et Biophysica Sinica, 2011, 43, 89-95.	2.0	8
85	Functional protein microarray: an ideal platform for investigating protein binding property. Frontiers in Biology, 2012, 7, 336-349.	0.7	8
86	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). Molecular and Cellular Proteomics, 2017, 16, 288-299.	3.8	8
87	Mycobacterium tuberculosis Thymidylyltransferase RmlA Is Negatively Regulated by Ser/Thr Protein Kinase PknB. Frontiers in Microbiology, 2021, 12, 643951.	3.5	8
88	COVID-ONE-hi: The One-stop Database for COVID-19-specific Humoral Immunity and Clinical Parameters. Genomics, Proteomics and Bioinformatics, 2021, 19, 669-678.	6.9	8
89	Room-Temperature Hybridization of Target DNA with Microarrays in Concentrated Solutions of Guanidine Thiocyanate. BioTechniques, 2003, 34, 1260-1262.	1.8	7
90	Highâ€Throughput Lectin Microarrayâ€Based Analysis of Live Cell Surface Clycosylation. Current Protocols in Protein Science, 2011, 63, Unit12.9.	2.8	6

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91	Phage display: an ideal platform for coupling protein to nucleic acid. Acta Biochimica Et Biophysica Sinica, 2021, 53, 389-399.	2.0	6
92	Anti-SARS-CoV-2 IgG responses are powerful predicting signatures for the outcome of COVID-19 patients. Journal of Advanced Research, 2022, 36, 133-145.	9.5	6
93	MULTIPLEX PCR FOR SIMULTANEOUS DETECTION OF HUMAN CARCINOMA-RELATED VIRUSES. Analytical Letters, 2002, 35, 1149-1162.	1.8	5
94	The binding epitope of sintilimab on PD-1 revealed by AbMap. Acta Biochimica Et Biophysica Sinica, 2021, 53, 628-635.	2.0	5
95	One-Tube Nested RT-PCR Enabled by Using a Plastic Film and its Application for the Rapid Detection of SARS-Virus. Biotechnology Letters, 2004, 26, 179-183.	2.2	4
96	Integrated Glycosylation Patterns of Glycoproteins and DNA Methylation Landscapes in Mammalian Oogenesis and Preimplantation Embryo Development. Frontiers in Cell and Developmental Biology, 2020, 8, 555.	3.7	4
97	SARS-CoV-2 spike linear epitope scanning via a peptide microarray through sera profiling. STAR Protocols, 2021, 2, 100707.	1.2	4
98	Global discovery the PstP interactions using Mtb proteome microarray and revealing novel connections with EthR. Journal of Proteomics, 2020, 215, 103650.	2.4	3
99	SARS-CoV-2 Antibody Signatures for Predicting the Outcome of COVID-19. SSRN Electronic Journal, 0, , .	0.4	3
100	Linear Epitope Landscape of SARS-CoV-2 Spike Protein Constructed from 1,051 COVID-19 Patients. SSRN Electronic Journal, 0, , .	0.4	3
101	Epitope Analysis of Anti-SARS-CoV-2 Neutralizing Antibodies. Current Medical Science, 2021, 41, 1065.	1.8	3
102	Visual Detection of Multiple Nucleic Acids in a Capillary Array. Journal of Visualized Experiments, 2017,	0.3	2
103	Assessment and comparison of recombinant proteins from different sources for the detection of SARS-CoV-2 infection by using protein microarray. Acta Biochimica Et Biophysica Sinica, 2021, 53, 262-264.	2.0	2
104	A visual multiplex PCR microchip with easy sample loading. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2017, 39, 525-534.	0.2	2
105	Protein Microarray: An Ideal Platform for Systems Biology. , 2012, , 113-134.		1
106	Cell Lysate Microarray for Mapping the Network of Genetic Regulators for Histone Marks. Molecular and Cellular Proteomics, 2018, 17, 1720-1736.	3.8	1
107	RIBOi: a database for ribosome-interacting proteins. Acta Biochimica Et Biophysica Sinica, 2019, 51, 441-443.	2.0	1
108	SARS-CoV-2 proteome microarray for COVID-19 patient sera profiling. STAR Protocols, 2022, 3, 101238.	1.2	1

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109	Microarray partition using a recycled marker pen and neutral balsam. Acta Biochimica Et Biophysica Sinica, 2013, 45, 706-708.	2.0	0
110	Toward the development of magnetic tweezers for high-throughput measurement of protein–protein interactions. Acta Biochimica Et Biophysica Sinica, 2017, 49, 468-470.	2.0	0
111	165â€Identification of serum biomarkers for systemic lupus erythematosus using a library of phage displayed random peptides and deep sequencing. , 2019, , .		0
112	Sketching the Glycan Hallmark of Intact Cells Using Lectin Microarray. ACS Symposium Series, 2020, , 119-126.	0.5	0
113	Antibody Landscape Against SARS-CoV-2 Proteome Revealed Significant Differences between Non-Structural/ Accessory Proteins and Structural Proteins. SSRN Electronic Journal, 0, , .	0.4	0
114	Protein Deacetylase Cobb Interplays with C-Di-Gmp. SSRN Electronic Journal, 0, , .	0.4	0
115	Integrated Glycosylation Patterns of Glycoproteins and DNA Methylation Landscapes in Mammal Oogenesis and Preimplantation Embryo Development. SSRN Electronic Journal, 0, , .	0.4	0
116	Database Development for Antibody Arrays. Methods in Molecular Biology, 2021, 2237, 257-261.	0.9	0
117	EASINESS: E. coli Assisted Speedy affiNity-maturation Evolution SyStem. Frontiers in Immunology, 2021, 12, 747267.	4.8	0
118	Quantitative plasma proteome profiling of COVID-19 patients with mild and moderate symptoms. EBioMedicine, 2022, 75, 103773.	6.1	0
119	Lectin Microarray: A Powerful Tool for Glycan Related Biomarker Discovery. Combinatorial Chemistry and High Throughput Screening, 2011, , .	1.1	Ο