

Xiaobo Yu

List of Publications by Year in descending order

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52
papers

2,085
citations

236833

25
h-index

254106

43
g-index

56
all docs

56
docs citations

56
times ranked

3217
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Electrochemical Detection for Aptamer-Based Array Electrodes. <i>Analytical Chemistry</i> , 2005, 77, 5107-5113.	3.2	292
2	Label-free detection methods for protein microarrays. <i>Proteomics</i> , 2006, 6, 5493-5503.	1.3	179
3	SARS-CoV-2 Proteome Microarray for Mapping COVID-19 Antibody Interactions at Amino Acid Resolution. <i>ACS Central Science</i> , 2020, 6, 2238-2249.	5.3	148
4	Mycobacterial Membrane Vesicles Administered Systemically in Mice Induce a Protective Immune Response to Surface Compartments of <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2014, 5, e01921-14.	1.8	102
5	Protein Microarrays for Personalized Medicine. <i>Clinical Chemistry</i> , 2010, 56, 376-387.	1.5	95
6	Advances and Utility of the Human Plasma Proteome. <i>Journal of Proteome Research</i> , 2021, 20, 5241-5263.	1.8	86
7	Direct Proteomic Mapping of Cysteine Persulfidation. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1061-1076.	2.5	80
8	In-depth serum proteomics reveals biomarkers of psoriasis severity and response to traditional Chinese medicine. <i>Theranostics</i> , 2019, 9, 2475-2488.	4.6	76
9	Coelonin, an Anti-Inflammation Active Component of <i>Bletilla striata</i> and Its Potential Mechanism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4422.	1.8	61
10	COVID-19 diagnostic testing: Technology perspective. <i>Clinical and Translational Medicine</i> , 2020, 10, e158.	1.7	61
11	Immunoproteomic Profiling of Antiviral Antibodies in New-Onset Type 1 Diabetes Using Protein Arrays. <i>Diabetes</i> , 2016, 65, 285-296.	0.3	59
12	An impedance array biosensor for detection of multiple antibody-antigen interactions. <i>Analyst</i> , The, 2006, 131, 745-750.	1.7	51
13	AAtlas 1.0: a human autoantigen database. <i>Nucleic Acids Research</i> , 2017, 45, D769-D776.	6.5	48
14	Serum Protein Profiling Reveals a Landscape of Inflammation and Immune Signaling in Early-stage COVID-19 Infection. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1749-1759.	2.5	45
15	Copper-catalyzed azide-alkyne cycloaddition (click chemistry)-based Detection of Global Pathogen-host AMPylation on Self-assembled Human Protein Microarrays. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3164-3176.	2.5	42
16	Host-Pathogen Interaction Profiling Using Self-Assembling Human Protein Arrays. <i>Journal of Proteome Research</i> , 2015, 14, 1920-1936.	1.8	40
17	Identification of Antibody Targets for Tuberculosis Serology using High-Density Nucleic Acid Programmable Protein Arrays. <i>Molecular and Cellular Proteomics</i> , 2017, 16, S277-S289.	2.5	40
18	AMPylation of Rho GTPases Subverts Multiple Host Signaling Processes. <i>Journal of Biological Chemistry</i> , 2014, 289, 32977-32988.	1.6	39

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19	In situ drug-receptor binding kinetics in single cells: a quantitative label-free study of anti-tumor drug resistance. <i>Scientific Reports</i> , 2014, 4, 6609.	1.6	38
20	High-throughput identification of proteins with AMPylation using self-assembled human protein (NAPPA) microarrays. <i>Nature Protocols</i> , 2015, 10, 756-767.	5.5	35
21	A versatile protein microarray platform enabling antibody profiling against denatured proteins. <i>Proteomics - Clinical Applications</i> , 2013, 7, 378-383.	0.8	34
22	Advancing translational research with next-generation protein microarrays. <i>Proteomics</i> , 2016, 16, 1238-1250.	1.3	31
23	Exploration of Panviral Proteome: High-Throughput Cloning and Functional Implications in Virus-host Interactions. <i>Theranostics</i> , 2014, 4, 808-822.	4.6	29
24	Robust microarray production of freshly expressed proteins in a human milieu. <i>Proteomics - Clinical Applications</i> , 2013, 7, 372-377.	0.8	27
25	µFBI: A Microfluidic Bead-Based Immunoassay for Multiplexed Detection of Proteins from a µL Sample Volume. <i>PLoS ONE</i> , 2010, 5, e13125.	1.1	26
26	Antiviral antibody profiling by high-density protein arrays. <i>Proteomics</i> , 2015, 15, 2136-2145.	1.3	26
27	Autoantibody profiling identifies predictive biomarkers of response to anti-PD1 therapy in cancer patients. <i>Theranostics</i> , 2020, 10, 6399-6410.	4.6	26
28	Dynamic landscape mapping of humoral immunity to SARS-CoV-2 identifies non-structural protein antibodies associated with the survival of critical COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 304.	7.1	26
29	Quantifying antibody binding on protein microarrays using microarray nonlinear calibration. <i>BioTechniques</i> , 2013, 54, 257-264.	0.8	25
30	Multiplexed Nucleic Acid Programmable Protein Arrays. <i>Theranostics</i> , 2017, 7, 4057-4070.	4.6	25
31	Protein Microarrays: Effective Tools for the Study of Inflammatory Diseases. <i>Methods in Molecular Biology</i> , 2009, 577, 199-214.	0.4	22
32	Advances in cell-free protein array methods. <i>Expert Review of Proteomics</i> , 2018, 15, 1-11.	1.3	15
33	Legionella effector AnkX interacts with host nuclear protein PLEKHN1. <i>BMC Microbiology</i> , 2018, 18, 5.	1.3	14
34	Proteome-wide epitope mapping identifies a resource of antibodies for SARS-CoV-2 detection and neutralization. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 166.	7.1	13
35	An impedance biosensor array for label-free detection of multiple antigen-antibody reactions. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 983.	3.0	8
36	TIDB: a comprehensive database of trained immunity. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	1.4	7

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37	Discovery of plasma biomarkers with data-independent acquisition mass spectrometry and antibody microarray for diagnosis and risk stratification of pulmonary embolism. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1738-1751.	1.9	7
38	Anti-PD1/PDL1 IgG subclass distribution in ten cancer types and anti-PD1 IgG4 as biomarker for the long time survival in NSCLC with anti-PD1 therapy. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 1681-1691.	2.0	7
39	Probing of CD4 binding pocket of HIV-1 gp120 glycoprotein using unnatural phenylalanine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5699-5703.	1.0	6
40	Protein array-based companion diagnostics in precision medicine. <i>Expert Review of Molecular Diagnostics</i> , 2020, 20, 1183-1198.	1.5	6
41	Longitudinal and proteome-wide analyses of antibodies in COVID-19 patients reveal features of the humoral immune response to SARS-CoV-2. <i>Journal of Advanced Research</i> , 2022, 37, 209-219.	4.4	6
42	High-Throughput Antibody Generation Using Multiplexed Immunization and Immunogen Array Analysis. <i>Journal of Biomolecular Screening</i> , 2010, 15, 1260-1267.	2.6	5
43	Automatic Identification and Quantification of Extra-Well Fluorescence in Microarray Images. <i>Journal of Proteome Research</i> , 2017, 16, 3969-3977.	1.8	3
44	Glycosylation Profiling of Tumor Marker in Plasma Using Bead-Based Immunoassay. <i>Methods in Molecular Biology</i> , 2019, 1871, 413-420.	0.4	3
45	Comprehensive analysis of immunoglobulin and clinical variables identifies functional linkages and diagnostic indicators associated with Behçet's disease patients receiving immunomodulatory treatment. <i>BMC Immunology</i> , 2021, 22, 16.	0.9	3
46	Inhibitor screening using microarray identifies the high capacity of neutralizing antibodies to Spike variants in SARS-CoV-2 infection and vaccination. <i>Theranostics</i> , 2022, 12, 2519-2534.	4.6	3
47	Development of RBC Membrane Antigen Arrays for Validating Blood Grouping Reagents. <i>Journal of Proteome Research</i> , 2018, 17, 3237-3245.	1.8	2
48	SARS-CoV-2 Epitopes following Infection and Vaccination Overlap Known Neutralizing Antibody Sites. <i>Research</i> , 2022, 2022, .	2.8	2
49	Comprehensive Analyses of the Immunoglobulin Proteome for the Classification of Glomerular Diseases. <i>Journal of Proteome Research</i> , 2020, 19, 1502-1512.	1.8	1
50	Detection of Posttranslational Modification Autoantibodies Using Peptide Microarray. <i>Methods in Molecular Biology</i> , 2021, 2344, 99-106.	0.4	1
51	AAgAtlas 1.0: A Database of Human Autoantigens Extracted from Biomedical Literature. <i>Methods in Molecular Biology</i> , 2020, 2131, 365-374.	0.4	1
52	Advances in plasma proteomics: Call for papers for an upcoming special issue. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2100084.	0.8	1