

# Xiaobo Yu

## List of Publications by Citations

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54  
papers

1,506  
citations

23  
h-index

38  
g-index

56  
ext. papers

1,819  
ext. citations

7  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
54	Label-free electrochemical detection for aptamer-based array electrodes. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 5107-13	7.8	265
53	Label-free detection methods for protein microarrays. <i>Proteomics</i> , <b>2006</b> , 6, 5493-503	4.8	157
52	Protein microarrays for personalized medicine. <i>Clinical Chemistry</i> , <b>2010</b> , 56, 376-87	5.5	87
51	SARS-CoV-2 Proteome Microarray for Mapping COVID-19 Antibody Interactions at Amino Acid Resolution. <i>ACS Central Science</i> , <b>2020</b> , 6, 2238-2249	16.8	82
50	Mycobacterial membrane vesicles administered systemically in mice induce a protective immune response to surface compartments of Mycobacterium tuberculosis. <i>MBio</i> , <b>2014</b> , 5, e01921-14	7.8	65
49	Immunoproteomic Profiling of Antiviral Antibodies in New-Onset Type 1 Diabetes Using Protein Arrays. <i>Diabetes</i> , <b>2016</b> , 65, 285-96	0.9	47
48	Direct Proteomic Mapping of Cysteine Persulfidation. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 33, 1061-1076	4.6	47
47	An impedance array biosensor for detection of multiple antibody-antigen interactions. <i>Analyst</i> , <b>2006</b> , 131, 745-50	5	46
46	COVID-19 diagnostic testing: Technology perspective. <i>Clinical and Translational Medicine</i> , <b>2020</b> , 10, e1585-7	5.7	38
45	In-depth serum proteomics reveals biomarkers of psoriasis severity and response to traditional Chinese medicine. <i>Theranostics</i> , <b>2019</b> , 9, 2475-2488	12.1	37
44	Host-pathogen interaction profiling using self-assembling human protein arrays. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1920-36	5.6	34
43	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> , <b>2014</b> , 13, 3164-76	7.6	34
42	In situ drug-receptor binding kinetics in single cells: a quantitative label-free study of anti-tumor drug resistance. <i>Scientific Reports</i> , <b>2014</b> , 4, 6609	4.9	33
41	A versatile protein microarray platform enabling antibody profiling against denatured proteins. <i>Proteomics - Clinical Applications</i> , <b>2013</b> , 7, 378-83	3.1	33
40	AAgAtlas 1.0: a human autoantigen database. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D769-D776	20.1	33
39	Coelonin, an Anti-Inflammation Active Component of and Its Potential Mechanism. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	30
38	Identification of Antibody Targets for Tuberculosis Serology using High-Density Nucleic Acid Programmable Protein Arrays. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, S277-S289	7.6	29

37	AMPylation of Rho GTPases subverts multiple host signaling processes. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 32977-88	5.4	29
36	High-throughput identification of proteins with AMPylation using self-assembled human protein (NAPPA) microarrays. <i>Nature Protocols</i> , <b>2015</b> , 10, 756-67	18.8	28
35	SARS-CoV-2 proteome microarray for mapping COVID-19 antibody interactions at amino acid resolution		28
34	Serum Protein Profiling Reveals a Landscape of Inflammation and Immune Signaling in Early-stage COVID-19 Infection. <i>Molecular and Cellular Proteomics</i> , <b>2020</b> , 19, 1749-1759	7.6	28
33	Robust microarray production of freshly expressed proteins in a human milieu. <i>Proteomics - Clinical Applications</i> , <b>2013</b> , 7, 372-7	3.1	26
32	Exploration of panviral proteome: high-throughput cloning and functional implications in virus-host interactions. <i>Theranostics</i> , <b>2014</b> , 4, 808-22	12.1	25
31	Quantifying antibody binding on protein microarrays using microarray nonlinear calibration. <i>BioTechniques</i> , <b>2013</b> , 54, 257-64	2.5	23
30	Antiviral antibody profiling by high-density protein arrays. <i>Proteomics</i> , <b>2015</b> , 15, 2136-45	4.8	21
29	µFBI: a microfluidic bead-based immunoassay for multiplexed detection of proteins from a µL sample volume. <i>PLoS ONE</i> , <b>2010</b> , 5, e13125	3.7	21
28	Advancing translational research with next-generation protein microarrays. <i>Proteomics</i> , <b>2016</b> , 16, 1238-50	5.8	21
27	Multiplexed Nucleic Acid Programmable Protein Arrays. <i>Theranostics</i> , <b>2017</b> , 7, 4057-4070	12.1	19
26	Protein microarrays: effective tools for the study of inflammatory diseases. <i>Methods in Molecular Biology</i> , <b>2009</b> , 577, 199-214	1.4	19
25	Proteome-wide analysis of differentially-expressed SARS-CoV-2 antibodies in early COVID-19 infection		17
24	Advances and Utility of the Human Plasma Proteome. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 5241-5263	3.6	16
23	Autoantibody profiling identifies predictive biomarkers of response to anti-PD1 therapy in cancer patients. <i>Theranostics</i> , <b>2020</b> , 10, 6399-6410	12.1	14
22	Advances in cell-free protein array methods. <i>Expert Review of Proteomics</i> , <b>2018</b> , 15, 1-11	4.2	13
21	Legionella effector AnkX interacts with host nuclear protein PLEKHN1. <i>BMC Microbiology</i> , <b>2018</b> , 18, 5	4.5	9
20	An impedance biosensor array for label-free detection of multiple antigen-antibody reactions. <i>Frontiers in Bioscience - Landmark</i> , <b>2006</b> , 11, 983-90	2.8	8

19	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> , <b>2021</b> , 6, 304	21	7
18	Probing of CD4 binding pocket of HIV-1 gp120 glycoprotein using unnatural phenylalanine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 5699-5703	2.9	6
17	High-throughput antibody generation using multiplexed immunization and immunogen array analysis. <i>Journal of Biomolecular Screening</i> , <b>2010</b> , 15, 1260-7		5
16	Proteome-wide epitope mapping identifies a resource of antibodies for SARS-CoV-2 detection and neutralization. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 166	21	5
15	Protein array-based companion diagnostics in precision medicine. <i>Expert Review of Molecular Diagnostics</i> , <b>2020</b> , 20, 1183-1198	3.8	3
14	Automatic Identification and Quantification of Extra-Well Fluorescence in Microarray Images. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3969-3977	5.6	3
13	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> , <b>2021</b> , 1	7.4	2
12	Serum protein profiling reveals a landscape of inflammation and immune signaling in early-stage COVID-19 infection		2
11	Glycosylation Profiling of Tumor Marker in Plasma Using Bead-Based Immunoassay. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1871, 413-420	1.4	2
10	TIDB: a comprehensive database of trained immunity. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2021</b> , 2021,	5	2
9	Comprehensive Analyses of the Immunoglobulin Proteome for the Classification of Glomerular Diseases. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 1502-1512	5.6	1
8	Development of RBC Membrane Antigen Arrays for Validating Blood Grouping Reagents. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 3237-3245	5.6	1
7	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> , <b>2021</b> , 19, 1738-1751	15.4	1
6	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> , <b>2021</b> ,	13	1
5	AAgAtlas 1.0: A Database of Human Autoantigens Extracted from Biomedical Literature. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2131, 365-374	1.4	1
4	Down-regulation of SARS-CoV-2 neutralizing antibodies in vaccinated smokers		1
3	Inhibitor screening using microarray identifies the high capacity of neutralizing antibodies to Spike variants in SARS-CoV-2 infection and vaccination.. <i>Theranostics</i> , <b>2022</b> , 12, 2519-2534	12.1	0
2	Detection of Posttranslational Modification Autoantibodies Using Peptide Microarray. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2344, 99-106	1.4	

- 1 Comprehensive analysis of immunoglobulin and clinical variables identifies functional linkages and diagnostic indicators associated with Behçet's disease patients receiving immunomodulatory treatment. *BMC Immunology*, **2021**, 22, 16 3.7