

Sheng-ce Tao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6802553/publications.pdf>

Version: 2024-02-01

119
papers

5,286
citations

109321

35
h-index

102487

66
g-index

139
all docs

139
docs citations

139
times ranked

9481
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-SARS-CoV-2 IgG responses are powerful predicting signatures for the outcome of COVID-19 patients. <i>Journal of Advanced Research</i> , 2022, 36, 133-145.	9.5	6
2	Quantitative plasma proteome profiling of COVID-19 patients with mild and moderate symptoms. <i>EBioMedicine</i> , 2022, 75, 103773.	6.1	0
3	Landscape of the RBD-specific IgG, IgM, and IgA responses triggered by the inactivated virus vaccine against the Omicron variant. <i>Cell Discovery</i> , 2022, 8, 15.	6.7	14
4	SARS-CoV-2 proteome microarray for COVID-19 patient sera profiling. <i>STAR Protocols</i> , 2022, 3, 101238.	1.2	1
5	Antibody dynamics to SARS-CoV-2 in asymptomatic COVID-19 infections. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 551-561.	5.7	107
6	Antibody Binding Epitope Mapping (AbMap) of Hundred Antibodies in a Single Run. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100059.	3.8	30
7	Systematic evaluation of IgG responses to SARS-CoV-2 spike protein-derived peptides for monitoring COVID-19 patients. <i>Cellular and Molecular Immunology</i> , 2021, 18, 621-631.	10.5	43
8	A graphene oxide coated tapered microfiber acting as a super-sensor for rapid detection of SARS-CoV-2. <i>Lab on A Chip</i> , 2021, 21, 2398-2406.	6.0	25
9	The binding epitope of sintilimab on PD-1 revealed by AbMap. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 628-635.	2.0	5
10	Phage display: an ideal platform for coupling protein to nucleic acid. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 389-399.	2.0	6
11	Linear epitope landscape of the SARS-CoV-2 Spike protein constructed from 1,051 COVID-19 patients. <i>Cell Reports</i> , 2021, 34, 108915.	6.4	127
12	<i>Mycobacterium tuberculosis</i> Thymidyltransferase RmlA Is Negatively Regulated by Ser/Thr Protein Kinase PknB. <i>Frontiers in Microbiology</i> , 2021, 12, 643951.	3.5	8
13	Systematic profiling of SARS-CoV-2-specific IgG epitopes at amino acid resolution. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1067-1069.	10.5	14
14	Antibody landscape against SARS-CoV-2 reveals significant differences between non-structural/accessory and structural proteins. <i>Cell Reports</i> , 2021, 36, 109391.	6.4	32
15	Systematic profiling of SARS-CoV-2-specific IgG responses elicited by an inactivated virus vaccine identifies peptides and proteins for predicting vaccination efficacy. <i>Cell Discovery</i> , 2021, 7, 67.	6.7	29
16	SARS-CoV-2 spike linear epitope scanning via a peptide microarray through sera profiling. <i>STAR Protocols</i> , 2021, 2, 100707.	1.2	4
17	Nsp2 has the potential to be a drug target revealed by global identification of SARS-CoV-2 Nsp2-interacting proteins. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1134-1141.	2.0	14
18	Assessment and comparison of recombinant proteins from different sources for the detection of SARS-CoV-2 infection by using protein microarray. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 262-264.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Advances and Utility of the Human Plasma Proteome. <i>Journal of Proteome Research</i> , 2021, 20, 5241-5263.	3.7	86
20	Epitope Analysis of Anti-SARS-CoV-2 Neutralizing Antibodies. <i>Current Medical Science</i> , 2021, 41, 1065.	1.8	3
21	COVID-ONE-hi: The One-stop Database for COVID-19-specific Humoral Immunity and Clinical Parameters. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 669-678.	6.9	8
22	Database Development for Antibody Arrays. <i>Methods in Molecular Biology</i> , 2021, 2237, 257-261.	0.9	0
23	EASINESS: E. coli Assisted Speedy affINity-maturation Evolution SyStem. <i>Frontiers in Immunology</i> , 2021, 12, 747267.	4.8	0
24	Multiplex and visual detection of African Swine Fever Virus (ASFV) based on Hive-Chip and direct loop-mediated isothermal amplification. <i>Analytica Chimica Acta</i> , 2020, 1140, 30-40.	5.4	23
25	SARS-CoV-2 proteome microarray for global profiling of COVID-19 specific IgG and IgM responses. <i>Nature Communications</i> , 2020, 11, 3581.	12.8	251
26	Integrated Glycosylation Patterns of Glycoproteins and DNA Methylation Landscapes in Mammalian Oogenesis and Preimplantation Embryo Development. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 555.	3.7	4
27	SARS-CoV-2 Orf9b suppresses type I interferon responses by targeting TOM70. <i>Cellular and Molecular Immunology</i> , 2020, 17, 998-1000.	10.5	280
28	Linear epitopes of SARS-CoV-2 spike protein elicit neutralizing antibodies in COVID-19 patients. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1095-1097.	10.5	168
29	RIG-I regulates myeloid differentiation by promoting TRIM25-mediated ISGylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14395-14404.	7.1	25
30	Sketching the Glycan Hallmark of Intact Cells Using Lectin Microarray. <i>ACS Symposium Series</i> , 2020, , 119-126.	0.5	0
31	An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. <i>Science Advances</i> , 2020, 6, eaax2271.	10.3	22
32	Longitudinal serum autoantibody repertoire profiling identifies surgery-associated biomarkers in lung adenocarcinoma. <i>EBioMedicine</i> , 2020, 53, 102674.	6.1	30
33	Global discovery the PstP interactions using Mtb proteome microarray and revealing novel connections with EthR. <i>Journal of Proteomics</i> , 2020, 215, 103650.	2.4	3
34	Structural basis for inhibition of the RNA-dependent RNA polymerase from SARS-CoV-2 by remdesivir. <i>Science</i> , 2020, 368, 1499-1504.	12.6	950
35	Fatty acylCoA synthetase FadD13 regulates proinflammatory cytokine secretion dependent on the NF- κ B signalling pathway by binding to eEF1A1. <i>Cellular Microbiology</i> , 2019, 21, e13090.	2.1	11
36	Identification of Serum Biomarkers for Systemic Lupus Erythematosus Using a Library of Phage Displayed Random Peptides and Deep Sequencing. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1851-1863.	3.8	13

#	ARTICLE	IF	CITATIONS
37	Proteome microarray technology and application: higher, wider, and deeper. <i>Expert Review of Proteomics</i> , 2019, 16, 815-827.	3.0	19
38	RIBOi: a database for ribosome-interacting proteins. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 441-443.	2.0	1
39	165â€¦Identification of serum biomarkers for systemic lupus erythematosus using a library of phage displayed random peptides and deep sequencing. , 2019, , .		0
40	Interplay between the bacterial protein deacetylase CobB and the second messenger câ€¦diâ€• <scp>GMP</scp>. <i>EMBO Journal</i> , 2019, 38, e100948.	7.8	28
41	Identification of Serine 119 as an Effective Inhibitor Binding Site of <i>M. tuberculosis</i> Ubiquitin-like Protein Ligase PafA Using Purified Proteins and <i>M. smegmatis</i> . <i>EBioMedicine</i> , 2018, 30, 225-236.	6.1	9
42	Comparative analysis of human sperm glycolyx from different freezability ejaculates by lectin microarray and identification of ABA as sperm freezability biomarker. <i>Clinical Proteomics</i> , 2018, 15, 19.	2.1	9
43	Global Profiling of PknG Interactions Using a Human Proteome Microarray Reveals Novel Connections with CypA. <i>Proteomics</i> , 2018, 18, e1800265.	2.2	11
44	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. <i>Journal of Proteome Research</i> , 2018, 17, 4097-4112.	3.7	60
45	Current applications of antibody microarrays. <i>Clinical Proteomics</i> , 2018, 15, 7.	2.1	75
46	Multiplex sample-to-answer detection of bacteria using a pipette-actuated capillary array comb with integrated DNA extraction, isothermal amplification, and smartphone detection. <i>Lab on A Chip</i> , 2018, 18, 2854-2864.	6.0	37
47	Cell Lysate Microarray for Mapping the Network of Genetic Regulators for Histone Marks. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1720-1736.	3.8	1
48	Visual detection of multiple genetically modified organisms in a capillary array. <i>Lab on A Chip</i> , 2017, 17, 521-529.	6.0	21
49	Systematic identification of the protein substrates of UDPâ€¦GalNAc:polypeptide Nâ€¦acetylgalactosaminyltransferaseâ€¦T1/T2/T3 using a human proteome microarray. <i>Proteomics</i> , 2017, 17, 1600485.	2.2	10
50	The Ser/Thr Protein Kinase Protein-Protein Interaction Map of <i>M. tuberculosis</i> *. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1491-1506.	3.8	39
51	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). <i>Molecular and Cellular Proteomics</i> , 2017, 16, 288-299.	3.8	8
52	Systematic Identification of <i>Mycobacterium tuberculosis</i> Effectors Reveals that BfrB Suppresses Innate Immunity. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2243-2253.	3.8	18
53	Toward the development of magnetic tweezers for high-throughput measurement of proteinâ€¦protein interactions. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 468-470.	2.0	0
54	Cyclic di-GMP regulates <i>Mycobacterium tuberculosis</i> resistance to ethionamide. <i>Scientific Reports</i> , 2017, 7, 5860.	3.3	25

#	ARTICLE	IF	CITATIONS
55	Visual Detection of Multiple Nucleic Acids in a Capillary Array. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	2
56	Proteomic identification of the oncoprotein STAT3 as a target of a novel Skp1 inhibitor. <i>Oncotarget</i> , 2017, 8, 2681-2693.	1.8	22
57	Effects of Cryopreservation on Human Sperm Glycocalyx. <i>Reproductive and Developmental Medicine</i> , 2017, 1, 233-238.	0.5	10
58	A visual multiplex PCR microchip with easy sample loading. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2017, 39, 525-534.	0.2	2
59	A Human Lectin Microarray for Sperm Surface Glycosylation Analysis. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2839-2851.	3.8	22
60	PMD: A Resource for Archiving and Analyzing Protein Microarray data. <i>Scientific Reports</i> , 2016, 6, 19956.	3.3	11
61	Global Profiling of Protein Lysine Malonylation in <i>Escherichia coli</i> Reveals Its Role in Energy Metabolism. <i>Journal of Proteome Research</i> , 2016, 15, 2060-2071.	3.7	63
62	Construction of a metabolomics profile of arsenic trioxide effect in gastric carcinoma cell line SGC7901. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 474-481.	2.0	15
63	Lectin binding of human sperm associates with DEFB126 mutation and serves as a potential biomarker for subfertility. <i>Scientific Reports</i> , 2016, 6, 20249.	3.3	25
64	Characterization of Protein Lysine Propionylation in <i>Escherichia coli</i> : Global Profiling, Dynamic Change, and Enzymatic Regulation. <i>Journal of Proteome Research</i> , 2016, 15, 4696-4708.	3.7	50
65	Fluorescent Protein Nanowire-Mediated Protein Microarrays for Multiplexed and Highly Sensitive Pathogen Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17472-17477.	8.0	24
66	Identification of Serum Biomarkers for Gastric Cancer Diagnosis Using a Human Proteome Microarray. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 614-623.	3.8	82
67	Discovering cancer biomarkers from clinical samples by protein microarrays. <i>Proteomics - Clinical Applications</i> , 2015, 9, 98-110.	1.6	22
68	Lectin RCA-I specifically binds to metastasis-associated cell surface glycans in triple-negative breast cancer. <i>Breast Cancer Research</i> , 2015, 17, 36.	5.0	48
69	Cordycepin induces cell cycle arrest and apoptosis by inducing DNA damage and up-regulation of p53 in Leukemia cells. <i>Cell Cycle</i> , 2015, 14, 761-771.	2.6	75
70	Systematic identification of arsenic-binding proteins reveals that hexokinase-2 is inhibited by arsenic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15084-15089.	7.1	126
71	Skp1 in lung cancer: clinical significance and therapeutic efficacy of its small molecule inhibitors. <i>Oncotarget</i> , 2015, 6, 34953-34967.	1.8	53
72	YcgC represents a new protein deacetylase family in prokaryotes. <i>ELife</i> , 2015, 4, .	6.0	52

#	ARTICLE	IF	CITATIONS
73	Mycobacterium Tuberculosis Proteome Microarray for Global Studies of Protein Function and Immunogenicity. <i>Cell Reports</i> , 2014, 9, 2317-2329.	6.4	77
74	Comprehensive profiling of accessible surface glycans of mammalian sperm using a lectin microarray. <i>Clinical Proteomics</i> , 2014, 11, 10.	2.1	32
75	Global identification of <i>O</i> -GlcNAc transferase (OGT) interactors by a human proteome microarray and the construction of an OGT interactome. <i>Proteomics</i> , 2014, 14, 1020-1030.	2.2	35
76	MACRO: A Combined Microchip-PCR and Microarray System for High-Throughput Monitoring of Genetically Modified Organisms. <i>Analytical Chemistry</i> , 2014, 86, 1269-1276.	6.5	61
77	Global identification of CobB interactors by an <i>Escherichia coli</i> proteome microarray. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 548-555.	2.0	33
78	Microfluidic chip integrating high throughput continuous-flow PCR and DNA hybridization for bacteria analysis. <i>Talanta</i> , 2014, 122, 246-250.	5.5	64
79	Protein Microarrays for Studies of Drug Mechanisms and Biomarker Discovery in the Era of Systems Biology. <i>Current Pharmaceutical Design</i> , 2014, 20, 49-55.	1.9	22
80	Bcl2-associated Athanogene 3 Interactome Analysis Reveals a New Role in Modulating Proteasome Activity. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2804-2819.	3.8	62
81	Reversibly acetylated lysine residues play important roles in the enzymatic activity of <i>Escherichia coli</i> <i>N</i> -hydroxyarylamine <i>O</i> -acetyltransferase. <i>FEBS Journal</i> , 2013, 280, 1966-1979.	4.7	28
82	Microarray partition using a recycled marker pen and neutral balsam. <i>Acta Biochimica Et Biophysica Sinica</i> , 2013, 45, 706-708.	2.0	0
83	Profiling Lipid-protein Interactions Using Nonquenched Fluorescent Liposomal Nanovesicles and Proteome Microarrays. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1177-1190.	3.8	36
84	Protein Microarray: An Ideal Platform for Systems Biology. , 2012, , 113-134.		1
85	Global Identification of Prokaryotic Glycoproteins Based on an <i>Escherichia coli</i> Proteome Microarray. <i>PLoS ONE</i> , 2012, 7, e49080.	2.5	9
86	Functional protein microarray: an ideal platform for investigating protein binding property. <i>Frontiers in Biology</i> , 2012, 7, 336-349.	0.7	8
87	Lectin Microarrays: A Powerful Tool for Glycan-Based Biomarker Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 711-719.	1.1	16
88	Detection and Verification of Glycosylation Patterns of Glycoproteins from Clinical Specimens Using Lectin Microarrays and Lectin-Based Immunosorbent Assays. <i>Analytical Chemistry</i> , 2011, 83, 8509-8516.	6.5	71
89	High-Throughput Lectin Microarray-Based Analysis of Live Cell Surface Glycosylation. <i>Current Protocols in Protein Science</i> , 2011, 63, Unit12.9.	2.8	6
90	Protein microarrays for systems biology. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 161-171.	2.0	47

#	ARTICLE	IF	CITATIONS
91	Quantitative Proteomic Analysis of Tumor Reversion in Multiple Myeloma Cells. <i>Journal of Proteome Research</i> , 2011, 10, 845-855.	3.7	22
92	A universal multiplex PCR strategy for 100-plex amplification using a hydrophobically patterned microarray. <i>Lab on A Chip</i> , 2011, 11, 3609.	6.0	21
93	Proteomic analysis of multiple myeloma: Current status and future perspectives. <i>Proteomics - Clinical Applications</i> , 2011, 5, 30-37.	1.6	11
94	Proteomics: addressing the challenges of multiple myeloma. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 89-95.	2.0	8
95	Lectin Microarray: A Powerful Tool for Glycan Related Biomarker Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, . .	1.1	0
96	Unrestrictive identification of non-phosphorylation PTMs in yeast kinases by MS and PTMap. <i>Proteomics</i> , 2010, 10, 896-903.	2.2	8
97	Quantitative Phosphoproteomics of Proteasome Inhibition in Multiple Myeloma Cells. <i>PLoS ONE</i> , 2010, 5, e13095.	2.5	28
98	Identification of Novel 14-3-3 Interacting Proteins by Quantitative Immunoprecipitation Combined with Knockdown (QUICK). <i>Journal of Proteome Research</i> , 2010, 9, 5848-5858.	3.7	40
99	An integrated micro-electro-fluidic and protein arraying system for parallel analysis of cell responses to controlled microenvironments. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 416.	1.3	10
100	Global analysis of the glycoproteome in <i>Saccharomyces cerevisiae</i> reveals new roles for protein glycosylation in eukaryotes. <i>Molecular Systems Biology</i> , 2009, 5, 308.	7.2	79
101	Protein Acetylation Microarray Reveals that NuA4 Controls Key Metabolic Target Regulating Gluconeogenesis. <i>Cell</i> , 2009, 136, 1073-1084.	28.9	279
102	A proteome chip approach reveals new DNA damage recognition activities in <i>Escherichia coli</i> . <i>Nature Methods</i> , 2008, 5, 69-74.	19.0	121
103	Protein Arrays on Patterned Porous Gold Substrates Interrogated with Mass Spectrometry: Detection of Peptides in Plasma. <i>Analytical Chemistry</i> , 2008, 80, 1448-1458.	6.5	47
104	Lectin microarrays identify cell-specific and functionally significant cell surface glycan markers. <i>Glycobiology</i> , 2008, 18, 761-769.	2.5	184
105	Functional Dissection of a HECT Ubiquitin E3 Ligase. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 35-45.	3.8	70
106	Applications of Protein Microarray Technology. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 706-718.	1.1	67
107	Protein chip fabrication by capture of nascent polypeptides. <i>Nature Biotechnology</i> , 2006, 24, 1253-1254.	17.5	90
108	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

#	ARTICLE	IF	CITATIONS
109	The design and application of DNA chips for early detection of SARS-CoV from clinical samples. <i>Journal of Clinical Virology</i> , 2005, 33, 123-131.	3.1	11
110	One-Tube Nested RT-PCR Enabled by Using a Plastic Film and its Application for the Rapid Detection of SARS-Virus. <i>Biotechnology Letters</i> , 2004, 26, 179-183.	2.2	4
111	Comparison of Different Methods for Preparing Single Stranded DNA for Oligonucleotide Microarray. <i>Analytical Letters</i> , 2003, 36, 2849-2863.	1.8	20
112	Blocking oligoâ€”a novel approach for improving chip-based DNA hybridization efficiency. <i>Molecular and Cellular Probes</i> , 2003, 17, 197-202.	2.1	10
113	Room-Temperature Hybridization of Target DNA with Microarrays in Concentrated Solutions of Guanidine Thiocyanate. <i>BioTechniques</i> , 2003, 34, 1260-1262.	1.8	7
114	MULTIPLEX PCR FOR SIMULTANEOUS DETECTION OF HUMAN CARCINOMA-RELATED VIRUSES. <i>Analytical Letters</i> , 2002, 35, 1149-1162.	1.8	5
115	Antibody Landscape Against SARS-CoV-2 Proteome Revealed Significant Differences between Non-Structural/ Accessory Proteins and Structural Proteins. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
116	SARS-CoV-2 Antibody Signatures for Predicting the Outcome of COVID-19. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
117	Linear Epitope Landscape of SARS-CoV-2 Spike Protein Constructed from 1,051 COVID-19 Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
118	Protein Deacetylase Cobb Interplays with C-Di-Gmp. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
119	Integrated Glycosylation Patterns of Glycoproteins and DNA Methylation Landscapes in Mammal Oogenesis and Preimplantation Embryo Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0