

Youhe Gao

List of Publications by Year in descending order

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127
papers

2,983
citations

218677

26
h-index

206112

48
g-index

175
all docs

175
docs citations

175
times ranked

3124
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the Specificity Space of the Human Src Homology 2 Domain. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 768-784.	3.8	203
2	Urine—an untapped goldmine for biomarker discovery?. <i>Science China Life Sciences</i> , 2013, 56, 1145-1146.	4.9	170
3	Synectin, syndecan-4 cytoplasmic domain binding PDZ protein, inhibits cell migration. <i>Journal of Cellular Physiology</i> , 2000, 184, 373-379.	4.1	164
4	Physiological conditions can be reflected in human urine proteome and metabolome. <i>Expert Review of Proteomics</i> , 2015, 12, 623-636.	3.0	148
5	Microwave-assisted Protein Preparation and Enzymatic Digestion in Proteomics. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 769-776.	3.8	138
6	Human urine proteome analysis by three separation approaches. <i>Proteomics</i> , 2005, 5, 4994-5001.	2.2	134
7	A comprehensive analysis and annotation of human normal urinary proteome. <i>Scientific Reports</i> , 2017, 7, 3024.	3.3	127
8	Urinary Biomarkers of Brain Diseases. <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 345-354.	6.9	110
9	Concanavalin A-captured Glycoproteins in Healthy Human Urine. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 560-562.	3.8	109
10	Phosphatidylinositol-4,5-bisphosphate Mediates the Interaction of Syndecan-4 with Protein Kinase C. <i>Biochemistry</i> , 1999, 38, 15871-15877.	2.5	85
11	A Tool for Biomarker Discovery in the Urinary Proteome: A Manually Curated Human and Animal Urine Protein Biomarker Database. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.010975.	3.8	85
12	An Attempt to Understand Kidney's Protein Handling Function by Comparing Plasma and Urine Proteomes. <i>PLoS ONE</i> , 2009, 4, e5146.	2.5	60
13	A Comparative Proteomics Analysis of Five Body Fluids: Plasma, Urine, Cerebrospinal Fluid, Amniotic Fluid, and Saliva. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1800008.	1.6	53
14	Changes of proteins induced by anticoagulants can be more sensitively detected in urine than in plasma. <i>Science China Life Sciences</i> , 2014, 57, 649-656.	4.9	51
15	Comprehensive Analysis of Individual Variation in the Urinary Proteome Revealed Significant Gender Differences. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1110-1122.	3.8	50
16	Unrestrictive identification of post-translational modifications in the urine proteome without enrichment. <i>Proteome Science</i> , 2013, 11, 1.	1.7	49
17	Dynamic changes of urine proteome in a Walker 256 tumor-bearing rat model. <i>Cancer Medicine</i> , 2017, 6, 2713-2722.	2.8	48
18	Early Candidate Urine Biomarkers for Detecting Alzheimer's Disease Before Amyloid- β Plaque Deposition in an APP (swe)/PSEN1dE9 Transgenic Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 613-637.	2.6	42

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19	Urinary candidate biomarker discovery in a rat unilateral ureteral obstruction model. <i>Scientific Reports</i> , 2015, 5, 9314.	3.3	41
20	Early candidate biomarkers found from urine of glioblastoma multiforme rat before changes in MRI. <i>Science China Life Sciences</i> , 2018, 61, 982-987.	4.9	41
21	Dynamic changes of urinary proteins in a focal segmental glomerulosclerosis rat model. <i>Proteome Science</i> , 2014, 12, 42.	1.7	39
22	Urinary candidate biomarkers in an experimental autoimmune myocarditis rat model. <i>Journal of Proteomics</i> , 2018, 179, 71-79.	2.4	34
23	AMASS: Software for Automatically Validating the Quality of MS/MS Spectrum from SEQUEST Results. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 1194-1199.	3.8	33
24	Applications of urinary proteomics in biomarker discovery. <i>Science China Life Sciences</i> , 2011, 54, 409-417.	4.9	33
25	Early urinary candidate biomarker discovery in a rat thioacetamide-induced liver fibrosis model. <i>Science China Life Sciences</i> , 2018, 61, 1369-1381.	4.9	33
26	A High Efficiency Strategy for Binding Property Characterization of Peptide-binding Domains. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1368-1381.	3.8	32
27	Dynamic urinary proteomic analysis reveals stable proteins to be potential biomarkers. <i>Proteomics - Clinical Applications</i> , 2009, 3, 370-382.	1.6	32
28	Differential ConA-enriched urinary proteome in rat experimental glomerular diseases. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 385-390.	2.1	31
29	Urimem, a membrane that can store urinary proteins simply and economically, makes the large-scale storage of clinical samples possible. <i>Science China Life Sciences</i> , 2014, 57, 336-339.	4.9	30
30	Proteomics Strategy to Identify Substrates of LNX, a PDZ Domain-containing E3 Ubiquitin Ligase. <i>Journal of Proteome Research</i> , 2012, 11, 4847-4862.	3.7	29
31	Early Detection of Urinary Proteome Biomarkers for Effective Early Treatment of Pulmonary Fibrosis in a Rat Model. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1700103.	1.6	29
32	Urine biomarkers in the early stages of diseases: current status and perspective. <i>Discovery Medicine</i> , 2018, 25, 57-65.	0.5	28
33	Early changes in the urine proteome in a diethyldithiocarbamate-induced chronic pancreatitis rat model. <i>Journal of Proteomics</i> , 2018, 186, 8-14.	2.4	27
34	Roadmap to the Urine Biomarker Era. <i>MOJ Proteomics & Bioinformatics</i> , 2014, 1, .	0.1	27
35	RScore: a peptide randomness score for evaluating tandem mass spectra. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1655-1659.	1.5	24
36	Urine Is a Better Biomarker Source Than Blood Especially for Kidney Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2015, 845, 3-12.	1.6	24

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37	Characterization of Diverse Internal Binding Specificities of PDZ Domains by Yeast Two-Hybrid Screening of a Special Peptide Library. <i>PLoS ONE</i> , 2014, 9, e88286.	2.5	22
38	An Analysis of Protein Abundance Suppression in Data Dependent Liquid Chromatography and Tandem Mass Spectrometry with Tryptic Peptide Mixtures of Five Known Proteins. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 575-580.	1.0	21
39	Urine glucose levels are disordered before blood glucose level increase was observed in Zucker diabetic fatty rats. <i>Science China Life Sciences</i> , 2018, 61, 844-848.	4.9	20
40	Urinary biomarker discovery in gliomas using mass spectrometry-based clinical proteomics. <i>Chinese Neurosurgical Journal</i> , 2020, 6, 11.	0.9	20
41	Effects of Three Commonly-used Diuretics on the Urinary Proteome. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 120-126.	6.9	19
42	Early urine proteome changes in the Walker-256 tail-vein injection rat model. <i>Scientific Reports</i> , 2019, 9, 13804.	3.3	19
43	Comparative Proteome Analysis of Breast Cancer and Normal Breast. <i>Molecular Biotechnology</i> , 2005, 29, 233-244.	2.4	18
44	An Integrated Machine Learning System to Computationally Screen Protein Databases for Protein Binding Peptide Ligands. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1224-1232.	3.8	17
45	Dynamic urinary proteomic analysis in a Walker 256 intracerebral tumor model. <i>Cancer Medicine</i> , 2019, 8, 3553-3565.	2.8	16
46	Using an Isolated Rat Kidney Model to Identify Kidney Origin Proteins in Urine. <i>PLoS ONE</i> , 2013, 8, e66911.	2.5	14
47	Systematic Analysis of a Simple Adaptor Protein PDZK1: Ligand Identification, Interaction and Functional Prediction of Complex. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 231-242.	1.6	13
48	Screening E3 Substrates Using a Live Phage Display Library. <i>PLoS ONE</i> , 2013, 8, e76622.	2.5	12
49	Oscore: a combined score to reduce false negative rates for peptide identification in tandem mass spectrometry analysis. <i>Journal of Mass Spectrometry</i> , 2009, 44, 25-31.	1.6	11
50	Urine Proteome Changes in a TNBS-Induced Colitis Rat Model. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800100.	1.6	11
51	Early disease biomarkers can be found using animal models urine proteomics. <i>Expert Review of Proteomics</i> , 2021, 18, 363-378.	3.0	11
52	Potential urinary aging markers of 20-month-old rats. <i>PeerJ</i> , 2016, 4, e2058.	2.0	11
53	Effects of anesthetics pentobarbital sodium and chloral hydrate on urine proteome. <i>PeerJ</i> , 2015, 3, e813.	2.0	11
54	Are Urinary Biomarkers from Clinical Studies Biomarkers of Disease or Biomarkers of Medicine?. <i>MOJ Proteomics & Bioinformatics</i> , 2014, 1, .	0.1	10

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55	Early changes in the urine proteome in a rat liver tumour model. <i>PeerJ</i> , 2020, 8, e8462.	2.0	10
56	Profiling tear proteomes of patients with unilateral relapsed Behcetâ€™s disease-associated uveitis using data-independent acquisition proteomics. <i>PeerJ</i> , 2020, 8, e9250.	2.0	10
57	Changes in the Urinary Proteome in a Patient-Derived Xenograft (PDX) Nude Mouse Model of Colorectal Tumor. <i>Scientific Reports</i> , 2019, 9, 4975.	3.3	9
58	Early urine proteome changes in an implanted bone cancer rat model. <i>Bone Reports</i> , 2020, 12, 100238.	0.4	9
59	Urinary proteome profiling for children with autism using data-independent acquisition proteomics. <i>Translational Pediatrics</i> , 2021, 10, 1765-1778.	1.2	9
60	Urinary microRNA can be concentrated, dried on membranes and stored at room temperature in vacuum bags. <i>PeerJ</i> , 2015, 3, e1082.	2.0	9
61	A Systematical Analysis of Tryptic Peptide Identification with Reverse Phase Liquid Chromatography and Electrospray Ion Trap Mass Spectrometry. <i>Genomics, Proteomics and Bioinformatics</i> , 2004, 2, 174-183.	6.9	8
62	Using enrichment index for quality control of secretory protein sample and identification of secretory proteins. <i>Journal of Mass Spectrometry</i> , 2009, 44, 397-403.	1.6	8
63	A Dry Method for Preserving Tear Protein Samples. <i>Biopreservation and Biobanking</i> , 2017, 15, 417-421.	1.0	8
64	The Specific α 1-Adrenergic Receptor Antagonist Prazosin Influences the Urine Proteome. <i>PLoS ONE</i> , 2016, 11, e0164796.	2.5	8
65	Urine proteome changes in rats subcutaneously inoculated with approximately ten tumor cells. <i>PeerJ</i> , 2019, 7, e7717.	2.0	8
66	Improving peptide identification using an empirical peptide retention time database. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 109-118.	1.5	7
67	Molecular characterization and ligand binding specificity of the PDZ domain-containing protein GIPC3 from <i>Schistosoma japonicum</i> . <i>Parasites and Vectors</i> , 2012, 5, 227.	2.5	7
68	Label-Free Liquid Chromatographyâ€“Mass Spectrometry Proteomic Analysis of the Urinary Proteome for Measuring the Escitalopram Treatment Response From Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2021, 12, 700149.	2.6	7
69	Comparative Proteome Analysis of Splenic Lymphocytes in Senescence-Accelerated Mice. <i>Gerontology</i> , 2009, 55, 559-569.	2.8	6
70	Nucleic Acids in Protein Samples Interfere with Phosphopeptide Identification by Immobilized-Metal-Ion Affinity Chromatography and Mass Spectrometry. <i>Molecular Biotechnology</i> , 2009, 43, 59-66.	2.4	6
71	Strategy for Studying the Liver Secretome on the Organ Level. <i>Journal of Proteome Research</i> , 2010, 9, 1894-1901.	3.7	6
72	Differential protein expression in perfusates from metastasized rat livers. <i>Proteome Science</i> , 2013, 11, 37.	1.7	6

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73	Phosphoproteins with Stability Against All Urinary Phosphatases as Potential Biomarkers in Urine. <i>Protein and Peptide Letters</i> , 2015, 22, 795-800.	0.9	6
74	A Method for Generation of Arbitrary Peptide Libraries Using Genomic DNA. <i>Molecular Biotechnology</i> , 2005, 30, 135-142.	2.4	5
75	Rapid characterization of the binding property of HtrA2/Omi PDZ domain by validation screening of PDZ ligand library. <i>Science in China Series C: Life Sciences</i> , 2007, 50, 412-422.	1.3	5
76	Novel Nonphosphorylated Peptides with Conserved Sequences Selectively Bind to Grb7 SH2 Domain with Affinity Comparable to Its Phosphorylated Ligand. <i>PLoS ONE</i> , 2012, 7, e29902.	2.5	5
77	Discovery and Confirmation of Ligand Binding Specificities of the <i>Schistosoma japonicum</i> Polarity Protein Scribble. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2837.	3.0	5
78	Fast fixing and comprehensive identification to help improve real-time ligands discovery based on formaldehyde crosslinking, immunoprecipitation and SDS-PAGE separation. <i>Proteome Science</i> , 2014, 12, 6.	1.7	5
79	Effect of transient blood glucose increases after oral glucose intake on the human urinary proteome. <i>Proteomics - Clinical Applications</i> , 2015, 9, 618-622.	1.6	5
80	Now is the time to test early urinary biomarkers in large-scale human samples. <i>Science China Life Sciences</i> , 2019, 62, 851-853.	4.9	5
81	Proteomic analysis of urine reveals biomarkers for the diagnosis and phenotyping of abdominal-type Henoch-Schonlein purpura. <i>Translational Pediatrics</i> , 2021, 10, 510-524.	1.2	5
82	Proteome analysis of urinary biomarkers in a cigarette smoke-induced COPD rat model. <i>Respiratory Research</i> , 2022, 23, .	3.6	5
83	Identification and characterization of cow's milk proteins from the rat intestinal lymph using a proteomic strategy. <i>Proteomics</i> , 2013, 13, 2649-2656.	2.2	4
84	Profiling of lysine-acetylated proteins in human urine. <i>Science China Life Sciences</i> , 2019, 62, 1514-1520.	4.9	4
85	Preliminary study of the urinary proteome in Li and Han ethnic individuals from Hainan. <i>Science China Life Sciences</i> , 2020, 63, 125-137.	4.9	4
86	Urine proteome changes in a chronic unpredictable mild stress (CUMS) mouse model of major depressive disorder. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 199, 114064.	2.8	4
87	Why are there proteins in the urine of healthy people?. <i>Scientia Sinica Vitae</i> , 2020, 50, 338-348.	0.3	4
88	Urinary Protein Changes in A Rat Starvation Model. <i>MOJ Proteomics & Bioinformatics</i> , 2017, 6, .	0.1	4
89	Effects of arginine vasopressin on the urine proteome in rats. <i>PeerJ</i> , 2017, 5, e3350.	2.0	4
90	Changes in the urinary proteome in rats with regular swimming exercise. <i>PeerJ</i> , 2021, 9, e12406.	2.0	4

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91	Dynamic urine proteome changes in a rat model of simvastatin-induced skeletal muscle injury. <i>Journal of Proteomics</i> , 2022, 254, 104477.	2.4	4
92	Construction of A Non-Redundant Human SH2 Domain Database. <i>Genomics, Proteomics and Bioinformatics</i> , 2004, 2, 119-122.	6.9	3
93	A comparison of E15.5 fetus and newborn rat serum proteomes. <i>Proteome Science</i> , 2012, 10, 64.	1.7	3
94	Factors to consider in the verification of urinary biomarkers. <i>Science China Life Sciences</i> , 2018, 61, 1283-1290.	4.9	3
95	On Research and Translation of Urinary Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1306, 101-108.	1.6	3
96	Dynamic Changes of Urine Proteome in Rat Models Inoculated with Two Different Hepatoma Cell Lines. <i>Journal of Oncology</i> , 2021, 2021, 1-20.	1.3	3
97	Comparison of urine proteome among rat models by intraperitoneal injection with single bacteria and co-injection with two bacteria. <i>PLoS ONE</i> , 2021, 16, e0261488.	2.5	3
98	Comparison at the peptide level with post-translational modification consideration reveals more differences between two unenriched samples. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1364-1370.	1.5	2
99	Using fibers for rapid extraction of proteins from urine. <i>Proteomics - Clinical Applications</i> , 2015, 9, 445-446.	1.6	2
100	Collection and preservation of urinary proteins, using a fluff pulp diaper. <i>Science China Life Sciences</i> , 2018, 61, 671-674.	4.9	2
101	Early urinary protein changes during tumor formation in a NuTu-19 tail vein injection rat model. <i>Scientific Reports</i> , 2020, 10, 11709.	3.3	2
102	Dynamic Urinary Proteome Changes in Ovalbumin-Induced Asthma Mouse Model Using Data-Independent Acquisition Proteomics. <i>Journal of Asthma and Allergy</i> , 2021, Volume 14, 1355-1366.	3.4	2
103	Many kinds of oxidized proteins are present more in the urine of the elderly. <i>Clinical Proteomics</i> , 2022, 19, .	2.1	2
104	Liquid Chromatography Coupled to Mass Spectrometry for Analysis of the Urinary Proteome. , 0, , 271-279.		1
105	Facts of research on protein-protein interactions. <i>Science China Life Sciences</i> , 2017, 60, 313-314.	4.9	1
106	Global chemical modifications comparison of human plasma proteome from two different age groups. <i>Scientific Reports</i> , 2020, 10, 14998.	3.3	1
107	The Urine Proteome in Toxicology. <i>Chemical Research in Toxicology</i> , 2020, 33, 1281-1283.	3.3	1
108	systematic analysis of a simple adaptor protein PDZK1: ligand identification, interaction and functional prediction of complex. <i>FASEB Journal</i> , 2009, 23, 516.1.	0.5	1

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109	An Efficiency machine learning system prediction coupled with yeast two hybrid confirmations to identify HPV 16 E6 interacting PDZ proteins. FASEB Journal, 2009, 23, 858.9.	0.5	1
110	Urinary Candidate Biomarker Discovery in a Rat Unilateral Ureteral Obstruction Model. FASEB Journal, 2015, 29, 567.2.	0.5	1
111	Proteome Analysis of Urinary Biomarkers in a Bovine IRBP-Induced Uveitis Rat Model via Data-Independent Acquisition and Parallel Reaction Monitoring Proteomics. Frontiers in Molecular Biosciences, 2022, 9, 831632.	3.5	1
112	Enrichment and Analysis of Concanavalin A-Captured Urinary Glycoproteins. , 0, , 233-241.		0
113	Early candidate urine biomarkers for detecting Alzheimer's disease before amyloid plaque deposition in an APP (swe)/PSEN1dE9 transgenic mouse model for effective early intervention. Alzheimer's and Dementia, 2020, 16, e036124.	0.8	0
114	An integrated machine learning system to computationally screen protein databases for Protein binding peptide ligands.. FASEB Journal, 2006, 20, A528.	0.5	0
115	Understanding kidney function by comparing serum and urine proteomes. FASEB Journal, 2007, 21, A1004.	0.5	0
116	Characterization of PDZ domains ligands by a high efficiency strategy. FASEB Journal, 2007, 21, A271.	0.5	0
117	Improve the tandem mass spectra identification and reduce false negative rate using peptide LC retention time.. FASEB Journal, 2007, 21, A265.	0.5	0
118	Understand liver functions by proteomic profiling of isolated rat liver perfusates. FASEB Journal, 2009, 23, 857.6.	0.5	0
119	The urinary biomarker database. FASEB Journal, 2011, 25, .	0.5	0
120	Characterization of diverse internal binding sequences to PDZ domains by screening special random peptide library in yeast two-hybrid system. FASEB Journal, 2012, 26, 978.1.	0.5	0
121	Fast Fix, Fish and Filter, 4Facts strategy to identify real time protein-protein interactions in situ with few false positives. FASEB Journal, 2013, 27, 810.2.	0.5	0
122	Comparison at the peptide level with post-translational modification consideration reveals more differences between two unenriched samples (778.1). FASEB Journal, 2014, 28, 778.1.	0.5	0
123	Effects of Anesthetics Pentobarbital Sodium and Chloral Hydrate on Urine Proteome. FASEB Journal, 2015, 29, 567.3.	0.5	0
124	Candidate urine biomarker discovery from only five pairs of samples before and after tumor resection in glioma patients. FASEB Journal, 2018, 32, 802.2.	0.5	0
125	Urine Is Not a Human Waste but a Medical Treasure. , 2019, , 3-8.		0
126	Identification of early candidate urine biomarkers for measure Escitalopram treatment response from major depressive disorder. FASEB Journal, 2020, 34, 1-1.	0.5	0

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127	The future of early detection of cancer is in urine. <i>Urine</i> , 2022, 4, 6-6.	4.0	0