

Dohyun Han

List of Publications by Year in descending order

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86
papers

1,896
citations

331538

21
h-index

330025

37
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92
all docs

92
docs citations

92
times ranked

2881
citing authors

#	ARTICLE	IF	CITATIONS
1	Akkermansia muciniphila secretes a glucagon-like peptide-1-inducing protein that improves glucose homeostasis and ameliorates metabolic disease in mice. <i>Nature Microbiology</i> , 2021, 6, 563-573.	5.9	248
2	O-GlcNAc modulation at Akt1 Ser473 correlates with apoptosis of murine pancreatic β cells. <i>Experimental Cell Research</i> , 2008, 314, 2238-2248.	1.2	98
3	In-depth blood proteome profiling analysis revealed distinct functional characteristics of plasma proteins between severe and non-severe COVID-19 patients. <i>Scientific Reports</i> , 2020, 10, 22418.	1.6	80
4	Proteomic analysis of mouse astrocytes and their secretome by a combination of FASP and StageTip-based, high pH, reversed-phase fractionation. <i>Proteomics</i> , 2014, 14, 1604-1609.	1.3	78
5	Quantitative Proteomic Analysis Identifies AHNAK (Neuroblast Differentiation-associated Protein) Tj ETQq1 1 0.784314 rgBT /Overlook Cytology. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1788-1802.	2.5	66
6	Molecular and functional signatures in a novel Alzheimer's disease mouse model assessed by quantitative proteomics. <i>Molecular Neurodegeneration</i> , 2018, 13, 2.	4.4	62
7	Crystal structure of PilF: Functional implication in the type 4 pilus biogenesis in <i>Pseudomonas aeruginosa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 340, 1028-1038.	1.0	58
8	Deep proteome profiling of the hippocampus in the 5XFAD mouse model reveals biological process alterations and a novel biomarker of Alzheimer's disease. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-17.	3.2	56
9	O-GlcNAcylation disrupts glyceraldehyde-3-phosphate dehydrogenase homo-tetramer formation and mediates its nuclear translocation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 254-262.	1.1	54
10	Aggresomal sequestration and STUB1-mediated ubiquitylation during mammalian proteaphagy of inhibited proteasomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19190-19200.	3.3	50
11	KAISO, a critical regulator of p53-mediated transcription of <i>CDKN1A</i> and apoptotic genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15078-15083.	3.3	47
12	Comparative Proteomic Profiling of Pancreatic Ductal Adenocarcinoma Cell Lines. <i>Molecules and Cells</i> , 2014, 37, 888-898.	1.0	42
13	Taurodeoxycholate Increases the Number of Myeloid-Derived Suppressor Cells That Ameliorate Sepsis in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1984.	2.2	38
14	Detection of Differential Proteomes Associated with the Development of Type 2 Diabetes in the Zucker Rat Model Using the iTRAQ Technique. <i>Journal of Proteome Research</i> , 2011, 10, 564-577.	1.8	36
15	Interactome analysis of AMP-activated protein kinase (AMPK)- α 1 and - β 1 in INS-1 pancreatic beta-cells by affinity purification-mass spectrometry. <i>Scientific Reports</i> , 2014, 4, 4376.	1.6	36
16	Nedd4 E3 ligase and beta-arrestins regulate ubiquitination, trafficking, and stability of the mGlu7 receptor. <i>ELife</i> , 2019, 8, .	2.8	35
17	In-depth proteomic analysis of mouse microglia using a combination of FASP and StageTip-based, high pH, reversed-phase fractionation. <i>Proteomics</i> , 2013, 13, n/a-n/a.	1.3	31
18	Comparison of serum protein profiles between major depressive disorder and bipolar disorder. <i>BMC Psychiatry</i> , 2020, 20, 145.	1.1	29

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19	ESET methylates UBF at K232/254 and regulates nucleolar heterochromatin plasticity and rDNA transcription. <i>Nucleic Acids Research</i> , 2014, 42, 1628-1643.	6.5	26
20	Longitudinal proteomic profiling provides insights into host response and proteome dynamics in COVID-19 progression. <i>Proteomics</i> , 2021, 21, e2000278.	1.3	26
21	In-Depth, Proteomic Analysis of Nasal Secretions from Patients With Chronic Rhinosinusitis and Nasal Polyps. <i>Allergy, Asthma and Immunology Research</i> , 2019, 11, 691.	1.1	24
22	The N-terminal cysteine is a dual sensor of oxygen and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
23	Histone demethylase PHF2 activates CREB and promotes memory consolidation. <i>EMBO Reports</i> , 2019, 20, e45907.	2.0	23
24	Modifying the substrate specificity of penicillin G acylase to cephalosporin acylase by mutating active-site residues. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 486-492.	1.0	22
25	TPR domain of NrfG mediates complex formation between heme lyase and formate-dependent nitrite reductase in <i>Escherichia coli</i> O157:H7. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 900-914.	1.5	22
26	Comprehensive Phosphoproteome Analysis of INS-1 Pancreatic Beta-Cells using Various Digestion Strategies Coupled with Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2012, 11, 2206-2223.	1.8	22
27	Proteomic identification of early urinary-biomarkers of acute kidney injury in preterm infants. <i>Scientific Reports</i> , 2020, 10, 4057.	1.6	22
28	Quantitative Proteomics Reveals Temporal Proteomic Changes in Signaling Pathways during BV2 Mouse Microglial Cell Activation. <i>Journal of Proteome Research</i> , 2017, 16, 3419-3432.	1.8	21
29	Crystal Structure of the N-terminal Domain of Anaphase-promoting Complex Subunit 7. <i>Journal of Biological Chemistry</i> , 2009, 284, 15137-15146.	1.6	20
30	A Bound Water Molecule Is Crucial in Initiating Autocatalytic Precursor Activation in an N-terminal Hydrolase. <i>Journal of Biological Chemistry</i> , 2004, 279, 341-347.	1.6	19
31	Parallel Reaction Monitoring-Mass Spectrometry (PRM-MS)-Based Targeted Proteomic Surrogates for Intrinsic Subtypes in Breast Cancer: Comparative Analysis with Immunohistochemical Phenotypes. <i>Journal of Proteome Research</i> , 2020, 19, 2643-2653.	1.8	19
32	Crystal structure of YrrB: A TPR protein with an unusual peptide-binding site. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 784-790.	1.0	18
33	Characterization of the membrane proteome and N-glycoproteome in BV-2 mouse microglia by liquid chromatography-tandem mass spectrometry. <i>BMC Genomics</i> , 2014, 15, 95.	1.2	18
34	Quantitative Proteome Analysis of Brain Subregions and Spinal Cord from Experimental Autoimmune Encephalomyelitis Mice by TMT-Based Mass Spectrometry. <i>Proteomics</i> , 2019, 19, e1800355.	1.3	18
35	Verification of Multimarkers for Detection of Early Stage Diabetic Retinopathy Using Multiple Reaction Monitoring. <i>Journal of Proteome Research</i> , 2013, 12, 1078-1089.	1.8	17
36	In-depth characterization of the secretome of mouse CNS cell lines by LC-MS/MS without prefractionation. <i>Proteomics</i> , 2015, 15, 3617-3622.	1.3	17

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37	Comparative proteomic analysis of human malignant ascitic fluids for the development of gastric cancer biomarkers. <i>Clinical Biochemistry</i> , 2018, 56, 55-61.	0.8	17
38	Proteomic Discovery of Biomarkers to Predict Prognosis of High-Grade Serous Ovarian Carcinoma. <i>Cancers</i> , 2020, 12, 790.	1.7	17
39	Biomarker Development for Intraductal Papillary Mucinous Neoplasms Using Multiple Reaction Monitoring Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016, 15, 100-113.	1.8	16
40	CHIP-mediated hyperubiquitylation of tau promotes its self-assembly into the insoluble tau filaments. <i>Chemical Science</i> , 2021, 12, 5599-5610.	3.7	16
41	Reconstruction of pathway modification induced by nicotinamide using multi-omic network analyses in triple negative breast cancer. <i>Scientific Reports</i> , 2017, 7, 3466.	1.6	15
42	Proteome characterization of human pancreatic cyst fluid from intraductal papillary mucinous neoplasm by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1761-1772.	0.7	15
43	Integrated Multi-Omic Analyses Support Distinguishing Secretory Carcinoma of the Breast from Basal-Like Triple-Negative Breast Cancer. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700125.	0.8	15
44	Multisample Mass Spectrometry-Based Approach for Discovering Injury Markers in Chronic Kidney Disease. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100037.	2.5	15
45	Development and Multiple Validation of the Protein Multi-marker Panel for Diagnosis of Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2236-2245.	3.2	14
46	An efficient method for high-pH peptide fractionation based on C18 StageTips for in-depth proteome profiling. <i>Analytical Methods</i> , 2019, 11, 4693-4698.	1.3	13
47	Bioinformatic analysis of proteomic data for iron, inflammation, and hypoxic pathways in restless legs syndrome. <i>Sleep Medicine</i> , 2020, 75, 448-455.	0.8	13
48	Quantitative proteomic analysis of pancreatic cyst fluid proteins associated with malignancy in intraductal papillary mucinous neoplasms. <i>Clinical Proteomics</i> , 2018, 15, 17.	1.1	12
49	Mass Spectrometry-Based Proteomic Discovery of Prognostic Biomarkers in Adrenal Cortical Carcinoma. <i>Cancers</i> , 2021, 13, 3890.	1.7	12
50	Label-Free Quantitative Proteomics and N-terminal Analysis of Human Metastatic Lung Cancer Cells. <i>Molecules and Cells</i> , 2014, 37, 457-466.	1.0	11
51	A Clinically Applicable 24-Protein Model for Classifying Risk Subgroups in Pancreatic Ductal Adenocarcinomas using Multiple Reaction Monitoring-Mass Spectrometry. <i>Clinical Cancer Research</i> , 2021, 27, 3370-3382.	3.2	11
52	Identification of TUBB2A by quantitative proteomic analysis as a novel biomarker for the prediction of distant metastatic breast cancer. <i>Clinical Proteomics</i> , 2020, 17, 16.	1.1	10
53	Moesin (MSN) as a Novel Proteome-Based Diagnostic Marker for Early Detection of Invasive Bladder Urothelial Carcinoma in Liquid-Based Cytology. <i>Cancers</i> , 2020, 12, 1018.	1.7	10
54	Identification of altered protein expression in major depressive disorder and bipolar disorder patients using liquid chromatography-tandem mass spectrometry. <i>Psychiatry Research</i> , 2021, 299, 113850.	1.7	10

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55	Next-generation Proteomics-Based Discovery, Verification, and Validation of Urine Biomarkers for Bladder Cancer Diagnosis. <i>Cancer Research and Treatment</i> , 2022, 54, 882-893.	1.3	10
56	Nicotinamide (niacin) supplement increases lipid metabolism and ROS-induced energy disruption in triple-negative breast cancer: potential for drug repositioning as an anti-tumor agent. <i>Molecular Oncology</i> , 2022, 16, 1795-1815.	2.1	10
57	Proteomic biomarkers in mid-trimester amniotic fluid associated with adverse pregnancy outcomes in patients with systemic lupus erythematosus. <i>PLoS ONE</i> , 2020, 15, e0235838.	1.1	9
58	Discovery of Proteins Responsible for Resistance to Three Chemotherapy Drugs in Breast Cancer Cells Using Proteomics and Bioinformatics Analysis. <i>Molecules</i> , 2022, 27, 1762.	1.7	9
59	Plasma-based protein biomarkers can predict the risk of acute graft-versus-host disease and non-relapse mortality in patients undergoing allogeneic hematopoietic stem cell transplantation. <i>Blood Cells, Molecules, and Diseases</i> , 2019, 74, 5-12.	0.6	7
60	Combined the SMAC mimetic and BCL2 inhibitor sensitizes neoadjuvant chemotherapy by targeting necrosome complexes in tyrosine aminoacyl-tRNA synthase-positive breast cancer. <i>Breast Cancer Research</i> , 2020, 22, 130.	2.2	7
61	Antibiotic-Dependent Relationships Between the Nasal Microbiome and Secreted Proteome in Nasal Polyps. <i>Allergy, Asthma and Immunology Research</i> , 2021, 13, 589.	1.1	7
62	Integrated approach using multistep enzyme digestion, TiO ₂ enrichment, and database search for in-depth phosphoproteomic profiling. <i>Proteomics</i> , 2015, 15, 618-623.	1.3	6
63	Study Protocol for a Prospective Longitudinal Cohort Study to Identify Proteomic Predictors of Pluripotent Risk for Mental Illness: The Seoul Pluripotent Risk for Mental Illness Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 340.	1.3	6
64	Extracellular Vesicles Induce an Aggressive Phenotype in Luminal Breast Cancer Cells Via PKM2 Phosphorylation. <i>Frontiers in Oncology</i> , 2021, 11, 785450.	1.3	6
65	In-depth proteome of perilymph in guinea pig model. <i>Proteomics</i> , 2021, 21, 2000138.	1.3	5
66	Predictive protein markers for depression severity in mood disorders: A preliminary trans-diagnostic approach study. <i>Journal of Psychiatric Research</i> , 2021, 142, 63-72.	1.5	5
67	Altered secretome by diesel exhaust particles and lipopolysaccharide in primary human nasal epithelium. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 2126-2138.	1.5	5
68	A Comprehensive Proteomic and Phosphoproteomic Analysis of Retinal Pigment Epithelium Reveals Multiple Pathway Alterations in Response to the Inflammatory Stimuli. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3037.	1.8	4
69	Proteomic identification of biomarkers in maternal plasma that predict the outcome of rescue cerclage for cervical insufficiency. <i>PLoS ONE</i> , 2021, 16, e0250031.	1.1	4
70	Inclusive Quantification Assay of Serum Des ¹³ -Carboxyprothrombin Proteoforms for Hepatocellular Carcinoma Surveillance by Targeted Mass Spectrometry. <i>Hepatology Communications</i> , 2021, 5, 1767-1783.	2.0	4
71	Quantitative Proteomics Reveals Knockdown of CD44 Promotes Proliferation and Migration in Claudin-Low MDA-MB-231 and Hs 578T Breast Cancer Cell Lines. <i>Journal of Proteome Research</i> , 2021, 20, 3720-3733.	1.8	4
72	In-depth proteomic profiling captures subtype-specific features of craniopharyngiomas. <i>Scientific Reports</i> , 2021, 11, 21206.	1.6	4

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73	Alterations in blood proteins in the prodromal stage of bipolar II disorders. <i>Scientific Reports</i> , 2022, 12, 3174.	1.6	4
74	ZNF509S1 downregulates PUMA by inhibiting p53K382 acetylation and p53-DNA binding. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 962-972.	0.9	3
75	Proteomic-Based Machine Learning Analysis Reveals PYGB as a Novel Immunohistochemical Biomarker to Distinguish Inverted Urothelial Papilloma From Low-Grade Papillary Urothelial Carcinoma With Inverted Growth. <i>Frontiers in Oncology</i> , 2022, 12, 841398.	1.3	3
76	Proteomic profiling of postmortem prefrontal cortex tissue of suicide completers. <i>Translational Psychiatry</i> , 2022, 12, 142.	2.4	3
77	One-Week Dynamic Changes in Cardiac Proteomes After Cardiac Radioablation in Experimental Rat Model. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	3
78	Plasma proteomic data in bipolar II disorders and major depressive disorders. <i>Data in Brief</i> , 2021, 39, 107495.	0.5	1
79	Proteome Analysis of the Hypothalamic Arcuate Nucleus in Chronic High-Fat Diet-Induced Obesity. <i>BioMed Research International</i> , 2021, 2021, 1-11.	0.9	1
80	857: Proteomic biomarkers in mid-trimester amniotic fluid for adverse outcomes in pregnant women with SLE. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, S558-S559.	0.7	0
81	Distinct immunoreactivity pattern to <i>Bacillus mannanilyticus</i> in a subgroup of anti-NMDA receptor encephalitis. <i>Journal of Neuroimmunology</i> , 2020, 342, 577215.	1.1	0
82	MON-463 Cilia-Dependent Hedgehog Signaling in Adamantinomatous AND Neutrophil-Related Innate Immune Responses in Papillary Craniopharyngiomas Mediate Tumorigenesis. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0
83	Proteins related to ictogenesis and seizure clustering in chronic epilepsy. <i>Scientific Reports</i> , 2021, 11, 21508.	1.6	0
84	Cord Blood Proteomic Biomarkers for Predicting Adverse Neurodevelopmental Outcomes in Monoamniotic Twins. <i>Reproductive Sciences</i> , 2022, , 1.	1.1	0
85	Computational integration of renal histology and urinary proteomics using neural networks. , 2022, , .		0
86	Abstract 5081: Proteomic analysis of ascites- and cancer cell-derived EVs for identifying ovarian cancer diagnostic biomarkers. <i>Cancer Research</i> , 2022, 82, 5081-5081.	0.4	0