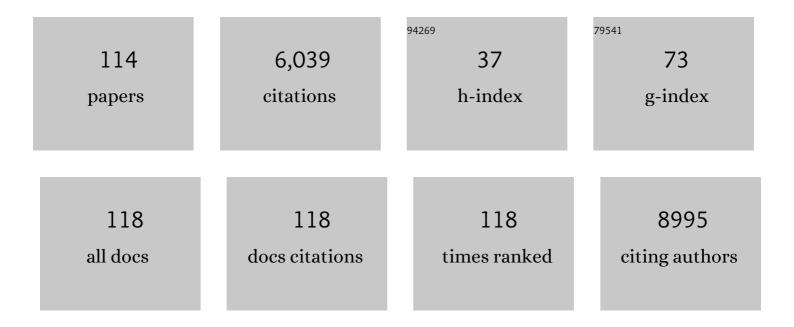
List of Publications by Year in descending order

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ALANI TACKETT

#	Article	IF	CITATIONS
1	A PHD finger of NURF couples histone H3 lysine 4 trimethylation with chromatin remodelling. Nature, 2006, 442, 86-90.	13.7	1,008
2	DNA methylation on N6-adenine in mammalian embryonic stem cells. Nature, 2016, 532, 329-333.	13.7	554
3	Current state of melanoma diagnosis and treatment. Cancer Biology and Therapy, 2019, 20, 1366-1379.	1.5	462
4	Yng1 PHD Finger Binding to H3 Trimethylated at K4 Promotes NuA3 HAT Activity at K14 of H3 and Transcription at a Subset of Targeted ORFs. Molecular Cell, 2006, 24, 785-796.	4.5	283
5	Phase separation drives aberrant chromatin looping and cancer development. Nature, 2021, 595, 591-595.	13.7	197
6	Long-distance combinatorial linkage between methylation and acetylation on histone H3 N termini. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2086-2091.	3.3	169
7	I-DIRT, A General Method for Distinguishing between Specific and Nonspecific Protein Interactions. Journal of Proteome Research, 2005, 4, 1752-1756.	1.8	134
8	Proteomic and genomic characterization of chromatin complexes at a boundary. Journal of Cell Biology, 2005, 169, 35-47.	2.3	130
9	The mobile nucleoporin Nup2p and chromatin-bound Prp20p function in endogenous NPC-mediated transcriptional control. Journal of Cell Biology, 2005, 171, 955-965.	2.3	114
10	ChAP-MS: A Method for Identification of Proteins and Histone Posttranslational Modifications at a Single Genomic Locus. Cell Reports, 2012, 2, 198-205.	2.9	110
11	ATXN7L3 and ENY2 Coordinate Activity of Multiple H2B Deubiquitinases Important for Cellular Proliferation and Tumor Growth. Molecular Cell, 2016, 62, 558-571.	4.5	106
12	Effects of ionizing radiation on the heart. Mutation Research - Reviews in Mutation Research, 2016, 770, 319-327.	2.4	102
13	Oxidation resistance 1 is a novel senolytic target. Aging Cell, 2018, 17, e12780.	3.0	95
14	<scp><i>sarA</i></scp> â€mediated repression of protease production plays a key role in the pathogenesis of <i><scp>S</scp>taphylococcus aureus</i> <scp>USA</scp> 300 isolates. Molecular Microbiology, 2012, 86, 1183-1196.	1.2	92
15	A Selective Phenelzine Analogue Inhibitor of Histone Demethylase LSD1. ACS Chemical Biology, 2014, 9, 1284-1293.	1.6	88
16	Anti-PD-1/L1 lead-in before MAPK inhibitor combination maximizes antitumor immunity and efficacy. Cancer Cell, 2021, 39, 1375-1387.e6.	7.7	78
17	An N-methyladenosine at the transited codon 273 of p53 pre-mRNA promotes the expression of R273H mutant protein and drug resistance of cancer cells. Biochemical Pharmacology, 2019, 160, 134-145.	2.0	74
18	A CRISPR-based approach for proteomic analysis of a single genomic locus. Epigenetics, 2014, 9, 1207-1211.	1.3	71

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19	Indicators of responsiveness to immune checkpoint inhibitors. Scientific Reports, 2017, 7, 807.	1.6	70
20	The Bromodomain of Gcn5 Regulates Site Specificity of Lysine Acetylation on Histone H3. Molecular and Cellular Proteomics, 2014, 13, 2896-2910.	2.5	68
21	Last Step in the Conversion of Trehalose to Glycogen. Journal of Biological Chemistry, 2010, 285, 9803-9812.	1.6	67
22	Multiple Full-length NS3 Molecules Are Required for Optimal Unwinding of Oligonucleotide DNA in Vitro. Journal of Biological Chemistry, 2005, 280, 10797-10806.	1.6	58
23	PHF19 promotes multiple myeloma tumorigenicity through PRC2 activation and broad H3K27me3 domain formation. Blood, 2019, 134, 1176-1189.	0.6	57
24	Proteins that mediate protein aggregation and cytotoxicity distinguish Alzheimer's hippocampus from normal controls. Aging Cell, 2016, 15, 924-939.	3.0	54
25	Role of EZH2 histone methyltrasferase in melanoma progression and metastasis. Cancer Biology and Therapy, 2016, 17, 579-591.	1.5	51
26	Methylation of histone H3K23 blocks DNA damage in pericentric heterochromatin during meiosis. ELife, 2014, 3, e02996.	2.8	51
27	Purification of a specific native genomic locus for proteomic analysis. Nucleic Acids Research, 2013, 41, e195-e195.	6.5	49
28	A PWWP Domain-Containing Protein Targets the NuA3 Acetyltransferase Complex via Histone H3 Lysine 36 trimethylation to Coordinate Transcriptional Elongation at Coding Regions. Molecular and Cellular Proteomics, 2014, 13, 2883-2895.	2.5	48
29	Short-term dietary methionine supplementation affects one-carbon metabolism and DNA methylation in the mouse gut and leads to altered microbiome profiles, barrier function, gene expression and histomorphology. Genes and Nutrition, 2017, 12, 22.	1.2	47
30	Sc65-Null Mice Provide Evidence for a Novel Endoplasmic Reticulum Complex Regulating Collagen Lysyl Hydroxylation. PLoS Genetics, 2016, 12, e1006002.	1.5	46
31	Impact of <i>sarA</i> and Phenol-Soluble Modulins on the Pathogenesis of Osteomyelitis in Diverse Clinical Isolates of Staphylococcus aureus. Infection and Immunity, 2016, 84, 2586-2594.	1.0	46
32	Loss of E-Cadherin Inhibits CD103 Antitumor Activity and Reduces Checkpoint Blockade Responsiveness in Melanoma. Cancer Research, 2019, 79, 1113-1123.	0.4	45
33	Durable Suppression of Acquired MEK Inhibitor Resistance in Cancer by Sequestering MEK from ERK and Promoting Antitumor T-cell Immunity. Cancer Discovery, 2021, 11, 714-735.	7.7	45
34	Quantitative Proteomics Identifies Activation of Hallmark Pathways of Cancer in Patient Melanoma. Journal of Proteomics and Bioinformatics, 2013, 06, 43-50.	0.4	43
35	<i>Saccharomyces cerevisiae</i> Yta7 Regulates Histone Gene Expression. Genetics, 2008, 179, 291-304.	1.2	42
36	Impact of Spaceflight and Artificial Gravity on the Mouse Retina: Biochemical and Proteomic Analysis. International Journal of Molecular Sciences, 2018, 19, 2546.	1.8	41

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37	Unwinding of Unnatural Substrates by a DNA Helicaseâ€. Biochemistry, 2001, 40, 543-548.	1.2	39
38	Spaceflight induces oxidative damage to bloodâ€brain barrier integrity in a mouse model. FASEB Journal, 2020, 34, 15516-15530.	0.2	39
39	Proteins that accumulate with age in human skeletal-muscle aggregates contribute to declines in muscle mass and function in Caenorhabditis elegans. Aging, 2016, 8, 3486-3497.	1.4	39
40	Physical and functional interaction between yeast Pif1 helicase and Rim1 single-stranded DNA binding protein. Nucleic Acids Research, 2013, 41, 1029-1046.	6.5	37
41	Non-Watson-Crick interactions between PNA and DNA inhibit the ATPase activity of bacteriophage T4 Dda helicase. Nucleic Acids Research, 2002, 30, 950-957.	6.5	36
42	Analysis of Stable and Transient Protein–Protein Interactions. Methods in Molecular Biology, 2012, 833, 143-152.	0.4	36
43	Immune surveillance in melanoma: From immune attack to melanoma escape and even counterattack. Cancer Biology and Therapy, 2017, 18, 451-469.	1.5	35
44	A Noncanonical Bromodomain in the AAA ATPase Protein Yta7 Directs Chromosomal Positioning and Barrier Chromatin Activity. Molecular and Cellular Biology, 2009, 29, 4604-4611.	1.1	34
45	Mitotic phosphorylation of histone H3 threonine 80. Cell Cycle, 2014, 13, 440-452.	1.3	32
46	Mapping the local protein interactome of the NuA3 histone acetyltransferase. Protein Science, 2009, 18, 1987-1997.	3.1	31
47	A quantitative proteomic analysis of FFPE melanoma. Journal of Cutaneous Pathology, 2011, 38, 933-936.	0.7	31
48	Ringo/Cyclin-dependent Kinase and Mitogen-activated Protein Kinase Signaling Pathways Regulate the Activity of the Cell Fate Determinant Musashi to Promote Cell Cycle Re-entry in Xenopus Oocytes. Journal of Biological Chemistry, 2012, 287, 10639-10649.	1.6	30
49	Characterization of mouse ocular response to a 35-day spaceflight mission: Evidence of blood-retinal barrier disruption and ocular adaptations. Scientific Reports, 2019, 9, 8215.	1.6	30
50	A NSD3-targeted PROTAC suppresses NSD3 and cMyc oncogenic nodes in cancer cells. Cell Chemical Biology, 2022, 29, 386-397.e9.	2.5	30
51	Myogenin Recruits the Histone Chaperone Facilitates Chromatin Transcription (FACT) to Promote Nucleosome Disassembly at Muscle-specific Genes. Journal of Biological Chemistry, 2013, 288, 7676-7687.	1.6	28
52	Densely ionizing radiation affects DNA methylation of selective LINE-1 elements. Environmental Research, 2016, 150, 470-481.	3.7	28
53	Inter-Strain Differences in LINE-1 DNA Methylation in the Mouse Hematopoietic System in Response to Exposure to Ionizing Radiation. International Journal of Molecular Sciences, 2017, 18, 1430.	1.8	28
54	ZMYND11-MBTD1 induces leukemogenesis through hijacking NuA4/TIP60 acetyltransferase complex and a PWWP-mediated chromatin association mechanism. Nature Communications, 2021, 12, 1045.	5.8	27

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55	Quantitative Histone Mass Spectrometry Identifies Elevated Histone H3 Lysine 27 (Lys27) Trimethylation in Melanoma. Molecular and Cellular Proteomics, 2016, 15, 765-775.	2.5	26
56	Metaproteomics reveals potential mechanisms by which dietary resistant starch supplementation attenuates chronic kidney disease progression in rats. PLoS ONE, 2019, 14, e0199274.	1.1	25
57	Time- and radiation-dose dependent changes in the plasma proteome after total body irradiation of non-human primates: Implications for biomarker selection. PLoS ONE, 2017, 12, e0174771.	1.1	25
58	CYP2E1 active site residues in substrate recognition sequence 5 identified by photoaffinity labeling and homology modeling. Archives of Biochemistry and Biophysics, 2007, 459, 59-69.	1.4	24
59	KDM5 lysine demethylases are involved in maintenance of 3′UTR length. Science Advances, 2016, 2, e1501662.	4.7	23
60	A Proteomic Study of Human Merkel Cell Carcinoma. Journal of Proteomics and Bioinformatics, 2013, 06, 275-282.	0.4	23
61	Bioorthogonal labeling cell-surface proteins expressed in pancreatic cancer cells to identify potential diagnostic/therapeutic biomarkers. Cancer Biology and Therapy, 2015, 16, 1557-1565.	1.5	22
62	Cistrome analysis of YY1 uncovers a regulatory axis of YY1:BRD2/4-PFKP during tumorigenesis of advanced prostate cancer. Nucleic Acids Research, 2021, 49, 4971-4988.	6.5	22
63	MSC exosome-mediated cardioprotection in ischemic mouse heart comparative proteomics of infarct and peri-infarct areas. Molecular and Cellular Biochemistry, 2021, 476, 1691-1704.	1.4	20
64	ProteoViz: a tool for the analysis and interactive visualization of phosphoproteomics data. Molecular Omics, 2020, 16, 316-326.	1.4	19
65	Epigenetic Control of <i>Cdkn2a.Arf</i> Protects Tumor-Infiltrating Lymphocytes from Metabolic Exhaustion. Cancer Research, 2020, 80, 4707-4719.	0.4	19
66	1,3-Butadiene-induced mitochondrial dysfunction is correlated with mitochondrial CYP2E1 activity in Collaborative Cross mice. Toxicology, 2017, 378, 114-124.	2.0	18
67	Impact of the INBRE summer student mentored research program on undergraduate students in Arkansas. American Journal of Physiology - Advances in Physiology Education, 2018, 42, 123-129.	0.8	18
68	Label-Free Proteomic Approach to Characterize Protease-Dependent and -Independent Effects of <i>sarA</i> Inactivation on the <i>Staphylococcus aureus</i> Exoproteome. Journal of Proteome Research, 2018, 17, 3384-3395.	1.8	18
69	Molecular events in MSC exosome mediated cytoprotection in cardiomyocytes. Scientific Reports, 2019, 9, 19276.	1.6	18
70	Discovery of a dual WDR5 and Ikaros PROTAC degrader as an anti-cancer therapeutic. Oncogene, 2022, 41, 3328-3340.	2.6	18
71	Proteomics-Based Identification of Differentially Abundant Proteins from Human Keratinocytes Exposed to Arsenic Trioxide. Journal of Proteomics and Bioinformatics, 2014, 07, 166-178.	0.4	17
72	In Vivo Metabolic Tracing Demonstrates the Siteâ€5pecific Contribution of Hepatic Ethanol Metabolism to Histone Acetylation. Alcoholism: Clinical and Experimental Research, 2018, 42, 1909-1923.	1.4	17

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73	Quantitative Analysis of Histone Exchange during Chromatin Purification. Journal of Integrated OMICS, 2011, 1, 61-65.	0.5	15
74	MassSQUIRM. Epigenetics, 2011, 6, 490-499.	1.3	15
75	Resistant starch slows the progression of CKD in the 5/6 nephrectomy mouse model. Physiological Reports, 2020, 8, e14610.	0.7	15
76	SarA plays a predominant role in controlling the production of extracellular proteases in the diverse clinical isolates of <i>Staphylococcus aureus</i> LAC and UAMS-1. Virulence, 2020, 11, 1738-1762.	1.8	15
77	A conserved BAH module within mammalian BAHD1 connects H3K27me3 to Polycomb gene silencing. Nucleic Acids Research, 2021, 49, 4441-4455.	6.5	15
78	Exploiting Correlations between Protein Abundance and the Functional Status of <i>saeRS</i> and <i>sarA</i> To Identify Virulence Factors of Potential Importance in the Pathogenesis of <i>Staphylococcus aureus</i> Osteomyelitis. ACS Infectious Diseases, 2020, 6, 237-249.	1.8	14
79	Quantitative analysis of histone exchange for transcriptionally active chromatin. Journal of Clinical Bioinformatics, 2011, 1, 17.	1.2	13
80	CD109 Overexpression in Pancreatic Cancer Identified by Cell-Surface Glycoprotein Capture. Journal of Proteomics and Bioinformatics, 2014, 01, S10003.	0.4	13
81	Raman Spectroscopy and Machine Learning Reveals Early Tumor Microenvironmental Changes Induced by Immunotherapy. Cancer Research, 2021, 81, 5745-5755.	0.4	13
82	Identification of Viral and Host Proteins That Interact with Murine Gammaherpesvirus 68 Latency-Associated Nuclear Antigen during Lytic Replication: a Role for Hsc70 in Viral Replication. Journal of Virology, 2016, 90, 1397-1413.	1.5	12
83	Proteomic identification of histone post-translational modifications and proteins enriched at a DNA double-strand break. Nucleic Acids Research, 2017, 45, 10923-10940.	6.5	12
84	Local and Relayed Effects of Deep Brain Stimulation of the Pedunculopontine Nucleus. Brain Sciences, 2019, 9, 64.	1.1	12
85	Delivery of phosphatidylethanolamine blunts stress in hepatoma cells exposed to elevated palmitate by targeting the endoplasmic reticulum. Cell Death Discovery, 2020, 6, 8.	2.0	11
86	Inhibition of tryptophan 2,3-dioxygenase impairs DNA damage tolerance and repair in glioma cells. NAR Cancer, 2021, 3, zcab014.	1.6	10
87	Accurate and Sensitive Quantitation of the Dynamic Heat Shock Proteome Using Tandem Mass Tags. Journal of Proteome Research, 2020, 19, 1183-1195.	1.8	9
88	Histone Modifications as Biomarkers for Immunotherapy. Methods in Molecular Biology, 2020, 2055, 213-228.	0.4	8
89	DNA-PKcs controls calcineurin mediated IL-2 production in T lymphocytes. PLoS ONE, 2017, 12, e0181608.	1.1	8
90	Development and Evaluation of a Structural Model for SF1B Helicase Dda. Biochemistry, 2009, 48, 2321-2329.	1.2	7

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91	A Quantitative Proteomic Analysis of Urine from Gamma-Irradiated Non- Human Primates. Journal of Proteomics and Bioinformatics, 2014, 01, .	0.4	7
92	Proteomic Findings in Melanoma. Journal of Proteomics and Bioinformatics, 2016, 04, .	0.4	7
93	Effect of Sulforaphane and 5-Aza-2'-Deoxycytidine on Melanoma Cell Growth. Medicines (Basel,) Tj ETQq1 (l 0.784314 0.7	rgBT /Overic
94	The Role of Bacteria in Chemical Signals of Elephant Musth: Proximate Causes and Biochemical Pathways. , 2016, , 63-85.		6
95	Proteomic Identification of DNA-PK Involvement within the RET Signaling Pathway. PLoS ONE, 2015, 10, e0127943.	1.1	6
96	Proteogenomic analysis of melanoma brain metastases from distinct anatomical sites identifies pathways of metastatic progression. Acta Neuropathologica Communications, 2020, 8, 157.	2.4	5
97	Proteomic characterization of the arsenic response locus in S. cerevisiae. Epigenetics, 2019, 14, 130-145.	1.3	4
98	Cold Storage Increases Albumin and Advanced Glycation-End Product-Albumin Levels in Kidney Transplants: A Possible Cause for Exacerbated Renal Damage. Transplantation Direct, 2019, 5, e454.	0.8	4
99	Misregulation of Rad50 expression inÂmelanoma cells. Journal of Cutaneous Pathology, 2012, 39, 680-684.	0.7	3
100	Do checkpoint inhibitors rely on gut microbiota to fight cancer?. Journal of Oncology Pharmacy Practice, 2018, 24, 468-472.	0.5	3
101	Dysbiotic stress increases the sensitivity of the tumor vasculature to radiotherapy and c-Met inhibitors. Angiogenesis, 2021, 24, 597-611.	3.7	3
102	Genome-wide Cas9 binding specificity in Saccharomyces cerevisiae. PeerJ, 2020, 8, e9442.	0.9	3
103	Proteomic Technologies for the Study of Osteosarcoma. Sarcoma, 2012, 2012, 1-10.	0.7	2
104	Vulvar squamous cell carcinoma aggressiveness is associated with differential expression of collagen and STAT1. Clinical Proteomics, 2017, 14, 40.	1.1	2
105	Application of MassSQUIRM for Quantitative Measurements of Lysine Demethylase Activity. Journal of Visualized Experiments, 2012, , .	0.2	1
106	Proteomics and melanoma: a current perspective. Global Dermatology, 2016, 3, 366-370.	0.1	1
107	Microscopes and Mass Spectrometers. Journal of Proteomics and Bioinformatics, 2016, 01, .	0.4	0
108	Abstract 1892: Proteomic interrogation of the metabolic control of MHC class I antigen presentation in metastatic melanoma. , 2021, , .		0

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109	Abstract 1577: Caloric restriction mimetics as adjuvant to immune checkpoint inhibitors for treatment of melanoma. , 2021, , .		0
110	Phosphoproteomics Provides Novel Insights into the Response of Primary Acute Lymphoblastic Leukemia Cells to Microtubule Depolymerization in G1 Phase of the Cell Cycle. ACS Omega, 2021, 6, 24949-24959.	1.6	0
111	MassSQUIRM: an assay for quantitative measurement of lysine demethylase activity. FASEB Journal, 2011, 25, 896.2.	0.2	0
112	Proteomic Analysis of the Low Molecular Weight Peptide Fraction in Serum of Obese Zucker Rat. FASEB Journal, 2015, 29, 595.3.	0.2	0
113	Genomic and Transcriptomic Profiling of Brain Metastases. Cancers, 2021, 13, 5598.	1.7	0
114	Monensin and its analogues show antiâ€glioblastoma activity in an organoid model of cancer. FASEB Journal, 2022, 36, .	0.2	0