

Stephanie Byrum

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,511
citations

279798

23
h-index

233421

45
g-index

94
all docs

94
docs citations

94
times ranked

3854
citing authors

#	ARTICLE	IF	CITATIONS
1	A NSD3-targeted PROTAC suppresses NSD3 and cMyc oncogenic nodes in cancer cells. <i>Cell Chemical Biology</i> , 2022, 29, 386-397.e9.	5.2	30
2	Ionizing Radiation Activates Mitochondrial Function in Osteoclasts and Causes Bone Loss in Young Adult Male Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 675.	4.1	9
3	Circulating Exosomal microRNAs as Predictive Biomarkers of Neoadjuvant Chemotherapy Response in Breast Cancer. <i>Current Oncology</i> , 2022, 29, 613-630.	2.2	24
4	Proteomics Indicates Lactate Dehydrogenase Is Prognostic in Acetaminophen-Induced Acute Liver Failure Patients and Reveals Altered Signaling Pathways. <i>Toxicological Sciences</i> , 2022, 187, 25-34.	3.1	13
5	Deficiency of N-glycanase 1 perturbs neurogenesis and cerebral development modeled by human organoids. <i>Cell Death and Disease</i> , 2022, 13, 262.	6.3	4
6	Short-Term Metformin Treatment Enriches <i>Bacteroides dorei</i> in an Obese Liver Steatosis Zucker Rat Model. <i>Frontiers in Microbiology</i> , 2022, 13, 834776.	3.5	2
7	Proteomic profiling of tear fluid as a promising non-invasive screening test for colon cancer. <i>American Journal of Surgery</i> , 2022, 224, 19-24.	1.8	4
8	Discovery of a dual WDR5 and Ikaros PROTAC degrader as an anti-cancer therapeutic. <i>Oncogene</i> , 2022, 41, 3328-3340.	5.9	18
9	Methamphetamine-induced Proteomic Changes Within the Neuroinflammatory TLR4 Pathway Persist After Long-term Self-administration in Rats. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
10	Effect of excess weight and insulin resistance on DNA methylation in prepubertal children. <i>Scientific Reports</i> , 2022, 12, 8430.	3.3	2
11	In vivo transcriptional analysis of mice infected with <i>Leishmania major</i> unveils cellular heterogeneity and altered transcriptomic profiling at single-cell resolution. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010518.	3.0	9
12	Durable Suppression of Acquired MEK Inhibitor Resistance in Cancer by Sequestering MEK from ERK and Promoting Antitumor T-cell Immunity. <i>Cancer Discovery</i> , 2021, 11, 714-735.	9.4	45
13	Multi-omics data integration considerations and study design for biological systems and disease. <i>Molecular Omics</i> , 2021, 17, 170-185.	2.8	85
14	Multi-omics data integration reveals correlated regulatory features of triple negative breast cancer. <i>Molecular Omics</i> , 2021, 17, 677-691.	2.8	9
15	ZMYND11-MBTD1 induces leukemogenesis through hijacking NuA4/TIP60 acetyltransferase complex and a PWWP-mediated chromatin association mechanism. <i>Nature Communications</i> , 2021, 12, 1045.	12.8	27
16	Dysbiotic stress increases the sensitivity of the tumor vasculature to radiotherapy and c-Met inhibitors. <i>Angiogenesis</i> , 2021, 24, 597-611.	7.2	3
17	Differences in cell death in methionine versus cysteine depletion. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 216-226.	2.2	13
18	Cistrome analysis of YY1 uncovers a regulatory axis of YY1:BRD2/4-PFKP during tumorigenesis of advanced prostate cancer. <i>Nucleic Acids Research</i> , 2021, 49, 4971-4988.	14.5	22

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19	A conserved BAH module within mammalian BAHD1 connects H3K27me3 to Polycomb gene silencing. <i>Nucleic Acids Research</i> , 2021, 49, 4441-4455.	14.5	15
20	Inhibition of tryptophan 2,3-dioxygenase impairs DNA damage tolerance and repair in glioma cells. <i>NAR Cancer</i> , 2021, 3, zcab014.	3.1	10
21	PTMViz: a tool for analyzing and visualizing histone post translational modification data. <i>BMC Bioinformatics</i> , 2021, 22, 275.	2.6	4
22	Cognitive impairment resulting from treatment with docetaxel, doxorubicin, and cyclophosphamide. <i>Brain Research</i> , 2021, 1760, 147397.	2.2	10
23	Phase separation drives aberrant chromatin looping and cancer development. <i>Nature</i> , 2021, 595, 591-595.	27.8	197
24	PHF19 inhibition as a therapeutic target in multiple myeloma. <i>Current Research in Translational Medicine</i> , 2021, 69, 103290.	1.8	5
25	Anti-PD-1/L1 lead-in before MAPK inhibitor combination maximizes antitumor immunity and efficacy. <i>Cancer Cell</i> , 2021, 39, 1375-1387.e6.	16.8	78
26	Phosphoproteomics Provides Novel Insights into the Response of Primary Acute Lymphoblastic Leukemia Cells to Microtubule Depolymerization in G1 Phase of the Cell Cycle. <i>ACS Omega</i> , 2021, 6, 24949-24959.	3.5	0
27	Control of the Anterior Pituitary Cell Lineage Regulator POU1F1 by the Stem Cell Determinant Musashi. <i>Endocrinology</i> , 2021, 162, .	2.8	9
28	Raman Spectroscopy and Machine Learning Reveals Early Tumor Microenvironmental Changes Induced by Immunotherapy. <i>Cancer Research</i> , 2021, 81, 5745-5755.	0.9	13
29	Milk Formula Diet Alters Bacterial and Host Protein Profile in Comparison to Human Milk Diet in Neonatal Piglet Model. <i>Nutrients</i> , 2021, 13, 3718.	4.1	2
30	The Effects of 5-Fluorouracil/Leucovorin Chemotherapy on Cognitive Function in Male Mice. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 762116.	3.5	5
31	Epigenetically Enhanced MED12L in ETO2-GLIS2 Positive Pediatric Acute Megakaryoblastic Leukemia Is Associated with Resistance to the CDK8 Inhibitors. <i>Blood</i> , 2021, 138, 2208-2208.	1.4	2
32	HIF-1 α Activation Impacts Macrophage Function during Murine <i>Leishmania major</i> Infection. <i>Pathogens</i> , 2021, 10, 1584.	2.8	2
33	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. <i>ACS Infectious Diseases</i> , 2020, 6, 237-249.	3.8	14
34	Cranial irradiation impairs juvenile social memory and modulates hippocampal physiology. <i>Brain Research</i> , 2020, 1748, 147095.	2.2	7
35	Spaceflight induces oxidative damage to blood-brain barrier integrity in a mouse model. <i>FASEB Journal</i> , 2020, 34, 15516-15530.	0.5	39
36	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. <i>Virulence</i> , 2020, 11, 1738-1762.	4.4	15

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37	Formula Diet Alters the Ileal Metagenome and Transcriptome at Weaning and during the Postweaning Period in a Porcine Model. <i>MSystems</i> , 2020, 5, .	3.8	18
38	Activation-induced cytidine deaminase localizes to G-quadruplex motifs at mutation hotspots in lymphoma. <i>NAR Cancer</i> , 2020, 2, zcaa029.	3.1	14
39	Proteogenomic analysis of melanoma brain metastases from distinct anatomical sites identifies pathways of metastatic progression. <i>Acta Neuropathologica Communications</i> , 2020, 8, 157.	5.2	5
40	proteiNorm – A User-Friendly Tool for Normalization and Analysis of TMT and Label-Free Protein Quantification. <i>ACS Omega</i> , 2020, 5, 25625-25633.	3.5	53
41	Neonatal Diet Impacts Circulatory miRNA Profile in a Porcine Model. <i>Frontiers in Immunology</i> , 2020, 11, 1240.	4.8	6
42	Assessing the Effects of Redox Modifier MnTnBuOE-2-PyP 5+ on Cognition and Hippocampal Physiology Following Doxorubicin, Cyclophosphamide, and Paclitaxel Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1867.	4.1	14
43	Accurate and Sensitive Quantitation of the Dynamic Heat Shock Proteome Using Tandem Mass Tags. <i>Journal of Proteome Research</i> , 2020, 19, 1183-1195.	3.7	9
44	Respiratory defects in the <i>Crtap</i> KO mouse model of osteogenesis imperfecta. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L592-L605.	2.9	11
45	ProteoViz: a tool for the analysis and interactive visualization of phosphoproteomics data. <i>Molecular Omics</i> , 2020, 16, 316-326.	2.8	19
46	Epigenetic Control of <i>Cdkn2a.Arfl</i> Protects Tumor-Infiltrating Lymphocytes from Metabolic Exhaustion. <i>Cancer Research</i> , 2020, 80, 4707-4719.	0.9	19
47	Registered report protocol: Quantitative analysis of septin Cdc10-associated proteome in <i>Cryptococcus neoformans</i> . <i>PLoS ONE</i> , 2020, 15, e0242381.	2.5	1
48	Effect of Sulforaphane and 5-Aza-2-Deoxycytidine on Melanoma Cell Growth. <i>Medicines (Basel)</i> , 2020, 9, 107.	1.4	7
49	Continuous Developmental and Early Life Trichloroethylene Exposure Promoted DNA Methylation Alterations in Polycomb Protein Binding Sites in Effector/Memory CD4+ T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2016.	4.8	10
50	Loss of E-Cadherin Inhibits CD133 Antitumor Activity and Reduces Checkpoint Blockade Responsiveness in Melanoma. <i>Cancer Research</i> , 2019, 79, 1113-1123.	0.9	45
51	Metaproteomics reveals potential mechanisms by which dietary resistant starch supplementation attenuates chronic kidney disease progression in rats. <i>PLoS ONE</i> , 2019, 14, e0199274.	2.5	25
52	Characterization of mouse ocular response to a 35-day spaceflight mission: Evidence of blood-retinal barrier disruption and ocular adaptations. <i>Scientific Reports</i> , 2019, 9, 8215.	3.3	30
53	Local and Relayed Effects of Deep Brain Stimulation of the Pedunculo-pontine Nucleus. <i>Brain Sciences</i> , 2019, 9, 64.	2.3	12
54	Proteomic characterization of the arsenic response locus in <i>S. cerevisiae</i> . <i>Epigenetics</i> , 2019, 14, 130-145.	2.7	4

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55	PSII-29 Identification of serum proteins that interact with extracellular histones in feedlot cattle. <i>Journal of Animal Science</i> , 2019, 97, 246-246.	0.5	0
56	Cold Storage Increases Albumin and Advanced Glycation-End Product-Albumin Levels in Kidney Transplants: A Possible Cause for Exacerbated Renal Damage. <i>Transplantation Direct</i> , 2019, 5, e454.	1.6	4
57	RNA-Seq Analysis of Spinal Cord Tissues from hPFN1G118V Transgenic Mouse Model of ALS at Pre-symptomatic and End-Stages of Disease. <i>Scientific Reports</i> , 2018, 8, 13737.	3.3	16
58	Impact of Spaceflight and Artificial Gravity on the Mouse Retina: Biochemical and Proteomic Analysis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2546.	4.1	41
59	Label-Free Proteomic Approach to Characterize Protease-Dependent and -Independent Effects of <i>SarA</i> Inactivation on the <i>Staphylococcus aureus</i> Exoproteome. <i>Journal of Proteome Research</i> , 2018, 17, 3384-3395.	3.7	18
60	1,3-Butadiene-induced mitochondrial dysfunction is correlated with mitochondrial CYP2E1 activity in Collaborative Cross mice. <i>Toxicology</i> , 2017, 378, 114-124.	4.2	18
61	Indicators of responsiveness to immune checkpoint inhibitors. <i>Scientific Reports</i> , 2017, 7, 807.	3.3	70
62	Proteomic identification of histone post-translational modifications and proteins enriched at a DNA double-strand break. <i>Nucleic Acids Research</i> , 2017, 45, 10923-10940.	14.5	12
63	Vulvar squamous cell carcinoma aggressiveness is associated with differential expression of collagen and STAT1. <i>Clinical Proteomics</i> , 2017, 14, 40.	2.1	2
64	Time- and radiation-dose dependent changes in the plasma proteome after total body irradiation of non-human primates: Implications for biomarker selection. <i>PLoS ONE</i> , 2017, 12, e0174771.	2.5	25
65	Impact of <i>SarA</i> and Phenol-Soluble Modulins on the Pathogenesis of Osteomyelitis in Diverse Clinical Isolates of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2016, 84, 2586-2594.	2.2	46
66	DNA methylation on N6-adenine in mammalian embryonic stem cells. <i>Nature</i> , 2016, 532, 329-333.	27.8	554
67	ATXN7L3 and ENY2 Coordinate Activity of Multiple H2B Deubiquitinases Important for Cellular Proliferation and Tumor Growth. <i>Molecular Cell</i> , 2016, 62, 558-571.	9.7	106
68	Quantitative Histone Mass Spectrometry Identifies Elevated Histone H3 Lysine 27 (Lys27) Trimethylation in Melanoma. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 765-775.	3.8	26
69	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. <i>Journal of Virology</i> , 2016, 90, 1397-1413.	3.4	12
70	Purification of Specific Chromatin Loci for Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2015, 1228, 83-92.	0.9	9
71	A Quantitative Proteomic Analysis of Urine from Gamma-Irradiated Non- Human Primates. <i>Journal of Proteomics and Bioinformatics</i> , 2014, 01, .	0.4	7
72	Proteomics-Based Identification of Differentially Abundant Proteins from Human Keratinocytes Exposed to Arsenic Trioxide. <i>Journal of Proteomics and Bioinformatics</i> , 2014, 07, 166-178.	0.4	17

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73	A CRISPR-based approach for proteomic analysis of a single genomic locus. <i>Epigenetics</i> , 2014, 9, 1207-1211.	2.7	71
74	A PWWP Domain-Containing Protein Targets the NuA3 Acetyltransferase Complex via Histone H3 Lysine 36 trimethylation to Coordinate Transcriptional Elongation at Coding Regions. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2883-2895.	3.8	48
75	Mitotic phosphorylation of histone H3 threonine 80. <i>Cell Cycle</i> , 2014, 13, 440-452.	2.6	32
76	Purification of a specific native genomic locus for proteomic analysis. <i>Nucleic Acids Research</i> , 2013, 41, e195-e195.	14.5	49
77	Quantitative Proteomics Identifies Activation of Hallmark Pathways of Cancer in Patient Melanoma. <i>Journal of Proteomics and Bioinformatics</i> , 2013, 06, 43-50.	0.4	43
78	A Proteomic Study of Human Merkel Cell Carcinoma. <i>Journal of Proteomics and Bioinformatics</i> , 2013, 06, 275-282.	0.4	23
79	Proteomic Technologies for the Study of Osteosarcoma. <i>Sarcoma</i> , 2012, 2012, 1-10.	1.3	2
80	ChAP-MS: A Method for Identification of Proteins and Histone Posttranslational Modifications at a Single Genomic Locus. <i>Cell Reports</i> , 2012, 2, 198-205.	6.4	110
81	Analysis of Stable and Transient Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2012, 833, 143-152.	0.9	36
82	Misregulation of Rad50 expression in melanoma cells. <i>Journal of Cutaneous Pathology</i> , 2012, 39, 680-684.	1.3	3
83	PTHrP(12-48) for the diagnosis of breast cancer bone metastasis. <i>Journal of Clinical Oncology</i> , 2012, 30, e21039-e21039.	1.6	0
84	Quantitative Analysis of Histone Exchange during Chromatin Purification. <i>Journal of Integrated OMICS</i> , 2011, 1, 61-65.	0.5	15
85	Quantitative analysis of histone exchange for transcriptionally active chromatin. <i>Journal of Clinical Bioinformatics</i> , 2011, 1, 17.	1.2	13
86	The promise of bone cancer proteomics. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 222-229.	3.8	14
87	Proteomic analysis of bone cancer: a review of current and future developments. <i>Expert Review of Proteomics</i> , 2007, 4, 371-378.	3.0	17