

Matthew D Dun

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,420
citations

201575

27
h-index

223716

46
g-index

76
all docs

76
docs citations

76
times ranked

3476
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaco-proteogenomic profiling of pediatric diffuse midline glioma to inform future treatment strategies. <i>Oncogene</i> , 2022, 41, 461-475.	2.6	39
2	Imipridones affect tumor bioenergetics and promote cell lineage differentiation in diffuse midline gliomas. <i>Neuro-Oncology</i> , 2022, 24, 1438-1451.	0.6	36
3	Proteome and secretome analysis of pancreatic cancer cells. <i>Proteomics</i> , 2022, 22, e2100320.	1.3	8
4	scTEM-seq: Single-cell analysis of transposable element methylation to link global epigenetic heterogeneity with transcriptional programs. <i>Scientific Reports</i> , 2022, 12, 5776.	1.6	10
5	Quantitative proteomic dataset of mouse caput epididymal epithelial cells exposed to acrylamide in vivo. <i>Data in Brief</i> , 2022, 42, 108032.	0.5	1
6	The intrinsic and microenvironmental features of diffuse midline glioma: Implications for the development of effective immunotherapeutic treatment strategies. <i>Neuro-Oncology</i> , 2022, 24, 1408-1422.	0.6	27
7	DIPG-07. Preclinical and case study results underpinning the phase II clinical trial testing the combination of ONC201 and paxalisib for the treatment of patients with diffuse midline glioma (NCT05009992). <i>Neuro-Oncology</i> , 2022, 24, i18-i19.	0.6	0
8	Quantitative phosphoproteomics uncovers synergy between DNA-PK and FLT3 inhibitors in acute myeloid leukaemia. <i>Leukemia</i> , 2021, 35, 1782-1787.	3.3	22
9	Post-testicular sperm maturation in the saltwater crocodile <i>Crocodylus porosus</i> : assessing the temporal acquisition of sperm motility. <i>Reproduction, Fertility and Development</i> , 2021, 33, 530.	0.1	7
10	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100107.	2.5	16
11	A novel role for milk fat globule-EGF factor 8 protein (MFGE8) in the mediation of mouse sperm-extracellular vesicle interactions. <i>Proteomics</i> , 2021, 21, e2000079.	1.3	9
12	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021, 26, 960-973.	1.3	22
13	Proteomic analysis of koala (<i>Phascolarctos cinereus</i>) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021, 21, e2100067.	1.3	10
14	Acrylamide modulates the mouse epididymal proteome to drive alterations in the sperm small non-coding RNA profile and dysregulate embryo development. <i>Cell Reports</i> , 2021, 37, 109787.	2.9	22
15	Reactive Oxygen Species in Acute Lymphoblastic Leukaemia: Reducing Radicals to Refine Responses. <i>Antioxidants</i> , 2021, 10, 1616.	2.2	10
16	Dynamic Landscape of Extracellular Vesicle-Associated Proteins Is Related to Treatment Response of Patients with Metastatic Breast Cancer. <i>Membranes</i> , 2021, 11, 880.	1.4	4
17	Preclinical and clinical evaluation of German-sourced ONC201 for the treatment of H3K27M-mutant diffuse intrinsic pontine glioma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab169.	0.4	11
18	Assessment of the Emerging Threat Posed by Perfluoroalkyl and Polyfluoroalkyl Substances to Male Reproduction in Humans. <i>Frontiers in Endocrinology</i> , 2021, 12, 799043.	1.5	7

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19	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. Antioxidants and Redox Signaling, 2020, 32, 487-503.	2.5	16
20	The abundance of a transfer RNA-derived RNA fragment small RNA subpopulation is enriched in cauda spermatozoa. ExRNA, 2020, 2, .	1.0	5
21	Molecular insights into the divergence and diversity of post-testicular maturation strategies. Molecular and Cellular Endocrinology, 2020, 517, 110955.	1.6	16
22	Cold Shock Domain Containing E1 (CSDE1) Protein is Overexpressed and Can be Targeted to Inhibit Invasiveness in Pancreatic Cancer Cells. Proteomics, 2020, 20, e1900331.	1.3	8
23	Can Hemp Help? Low-THC Cannabis and Non-THC Cannabinoids for the Treatment of Cancer. Cancers, 2020, 12, 1033.	1.7	39
24	Shwachmanâ€“Bodianâ€“Diamond syndrome (SBDS) protein is a direct inhibitor of protein phosphatase 2A (PP2A) activity and overexpressed in acute myeloid leukaemia. Leukemia, 2020, 34, 3393-3397.	3.3	14
25	DIPG-32. AKT SIGNALING DRIVES RESISTANCE TO ONC201 IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). Neuro-Oncology, 2020, 22, iii293-iii293.	0.6	0
26	DIPG-29. PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE 3-KINASE (PI3K) INHIBITION DRIVES PROTEIN KINASE C ACTIVATION (PKC) IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). Neuro-Oncology, 2020, 22, iii292-iii293.	0.6	1
27	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals*. Molecular and Cellular Proteomics, 2019, 18, S58-S76.	2.5	30
28	Signal Transduction in Diffuse Intrinsic Pontine Glioma. Proteomics, 2019, 19, 1800479.	1.3	36
29	Mechanisms of tethering and cargo transfer during epididymosome-sperm interactions. BMC Biology, 2019, 17, 35.	1.7	59
30	Differential cell death decisions in the testis: evidence for an exclusive window of ferroptosis in round spermatids. Molecular Human Reproduction, 2019, 25, 241-256.	1.3	38
31	A Kinase Anchor Protein 4 Is Vulnerable to Oxidative Adduction in Male Germ Cells. Frontiers in Cell and Developmental Biology, 2019, 7, 319.	1.8	29
32	The Role of Reactive Oxygen Species in Acute Myeloid Leukaemia. International Journal of Molecular Sciences, 2019, 20, 6003.	1.8	92
33	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. Molecular and Cellular Proteomics, 2019, 18, S91-S108.	2.5	111
34	Cell-Free DNA as a Diagnostic Blood-Based Biomarker for Colorectal Cancer: A Systematic Review. Journal of Surgical Research, 2019, 236, 184-197.	0.8	57
35	Cellâ€“Free DNA Blood Collection Tubes Are Appropriate for Clinical Proteomics: A Demonstration in Colorectal Cancer. Proteomics - Clinical Applications, 2018, 12, e1700121.	0.8	11
36	Proteomic Profiling of Human Uterine Fibroids Reveals Upregulation of the Extracellular Matrix Protein Periostin. Endocrinology, 2018, 159, 1106-1118.	1.4	17

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37	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018, 98, 784-794.	1.2	38
38	Mutant JAK3 phosphoproteomic profiling predicts synergism between JAK3 inhibitors and MEK/BCL2 inhibitors for the treatment of T-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2018, 32, 788-800.	3.3	75
39	Targeting Oncogenic Signaling in Mutant FLT3 Acute Myeloid Leukemia: The Path to Least Resistance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3198.	1.8	45
40	Neuroproteins in Cancer: Assumed Bystanders Become Culprits. <i>Proteomics</i> , 2018, 18, e1800049.	1.3	9
41	Mouse quiescin sulfhydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associations. <i>Biology of Reproduction</i> , 2018, 99, 1022-1033.	1.2	15
42	Characteristics of the Epididymal Luminal Environment Responsible for Sperm Maturation and Storage. <i>Frontiers in Endocrinology</i> , 2018, 9, 59.	1.5	130
43	Qualitative and Quantitative Detection of PrPSc Based on the Controlled Release Property of Magnetic Microspheres Using Surface Plasmon Resonance (SPR). <i>Nanomaterials</i> , 2018, 8, 107.	1.9	20
44	Analysis of Epididymal Protein Synthesis and Secretion. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	11
45	Extracellular vesicles with altered tetraspanin CD9 and CD151 levels confer increased prostate cell motility and invasion. <i>Scientific Reports</i> , 2018, 8, 8822.	1.6	52
46	Protein interaction screening identifies SH3RF1 as a new regulator of FAT1 protein levels. <i>FEBS Letters</i> , 2017, 591, 667-678.	1.3	6
47	Inhibition of arachidonate 15-lipoxygenase prevents 4-hydroxynonenal-induced protein damage in male germ cells. <i>Biology of Reproduction</i> , 2017, 96, 598-609.	1.2	27
48	Harnessing the power of proteomics for identification of oncogenic, druggable signalling pathways in cancer. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 431-447.	2.5	15
49	Peripheral Lipopolysaccharide Challenge Induces Long-Term Changes in Tyrosine Hydroxylase Regulation in the Adrenal Medulla. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2096-2107.	1.2	2
50	Analysis of the small non-protein-coding RNA profile of mouse spermatozoa reveals specific enrichment of piRNAs within mature spermatozoa. <i>RNA Biology</i> , 2017, 14, 1776-1790.	1.5	57
51	Functional importance of PP2A regulatory subunit loss in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 166, 117-131.	1.1	21
52	Characterization of the early molecular changes in the glomeruli of Cd151 ^{-/-} mice highlights induction of mindin and MMP-10. <i>Scientific Reports</i> , 2017, 7, 15987.	1.6	11
53	Proteomic Analysis of Human Spermatozoa. , 2017, , 3-22.		3
54	Abstract 2375: Functional role of the tumor suppressor protein phosphatase, PP2A-B55 [±] , in breast cancer. , 2017, , .		0

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55	Development of novel PP2A activators for use in the treatment of acute myeloid leukaemia. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4605-4616.	1.5	24
56	Activation of protein phosphatase 2A in FLT3+ acute myeloid leukemia cells enhances the cytotoxicity of FLT3 tyrosine kinase inhibitors. <i>Oncotarget</i> , 2016, 7, 47465-47478.	0.8	39
57	Next Generation Sequencing Analysis Reveals Segmental Patterns of microRNA Expression in Mouse Epididymal Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0135605.	1.1	42
58	Proteotranscriptomic Profiling of 231-BR Breast Cancer Cells: Identification of Potential Biomarkers and Therapeutic Targets for Brain Metastasis. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2316-2330.	2.5	59
59	Proteogenomics: emergence and promise. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 953-957.	2.4	36
60	The role of the molecular chaperone heat shock protein A2 (HSPA2) in regulating human sperm-egg recognition. <i>Asian Journal of Andrology</i> , 2015, 17, 568.	0.8	59
61	Activity-associated miRNA are packaged in Map1b-enriched exosomes released from depolarized neurons. <i>Nucleic Acids Research</i> , 2014, 42, 9195-9208.	6.5	226
62	Furin processing dictates ectodomain shedding of human FAT1 cadherin. <i>Experimental Cell Research</i> , 2014, 323, 41-55.	1.2	5
63	Salmeterol attenuates chemotactic responses in rhinovirus-induced exacerbation of allergic airways disease by modulating protein phosphatase 2A. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1720-1727.	1.5	32
64	The presence of a truncated base excision repair pathway in human spermatozoa, Mediated by OGG1. <i>Journal of Cell Science</i> , 2013, 126, 1488-97.	1.2	131
65	The role of molecular chaperones in spermatogenesis and the post-testicular maturation of mammalian spermatozoa. <i>Human Reproduction Update</i> , 2012, 18, 420-435.	5.2	109
66	Investigation of the expression and functional significance of the novel mouse sperm protein, a disintegrin and metalloprotease with thrombospondin type 1 motifs number 10 (ADAMTS10). <i>Journal of Developmental and Physical Disabilities</i> , 2012, 35, 572-589.	3.6	31
67	Involvement of multimeric protein complexes in mediating the capacitation-dependent binding of human spermatozoa to homologous zonae pellucidae. <i>Developmental Biology</i> , 2011, 356, 460-474.	0.9	100
68	The Chaperonin Containing TCP1 Complex (CCT/TRiC) Is Involved in Mediating Sperm-Oocyte Interaction. <i>Journal of Biological Chemistry</i> , 2011, 286, 36875-36887.	1.6	101
69	The CCT/TRiC Complex Is Involved in Mediating Sperm-Oocyte Interaction.. <i>Biology of Reproduction</i> , 2011, 85, 518-518.	1.2	1
70	Sperm-Zona Pellucida Interaction: Molecular Mechanisms and the Potential for Contraceptive Intervention. <i>Handbook of Experimental Pharmacology</i> , 2010, , 139-178.	0.9	19
71	Finding Needles in Haystacks: The Use of Quantitative Proteomics for the Early Detection of Colorectal Cancer. , 0, , .		1