

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	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
2	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
3	Characteristics of the Epididymal Luminal Environment Responsible for Sperm Maturation and Storage. <i>Frontiers in Endocrinology</i> , 2018, 9, 59.	1.5	130
4	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S91-S108.	2.5	111
5	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
6	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
7	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
8	The Role of Reactive Oxygen Species in Acute Myeloid Leukaemia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6003.	1.8	92
9	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
10	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
11	Mechanisms of tethering and cargo transfer during epididymosome-sperm interactions. <i>BMC Biology</i> , 2019, 17, 35.	1.7	59
12	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
13	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
14	Cell-Free DNA as a Diagnostic Blood-Based Biomarker for Colorectal Cancer: A Systematic Review. <i>Journal of Surgical Research</i> , 2019, 236, 184-197.	0.8	57
15	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
16	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
17	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
18	Can Hemp Help? Low-THC Cannabis and Non-THC Cannabinoids for the Treatment of Cancer. <i>Cancers</i> , 2020, 12, 1033.	1.7	39

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19	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
20	Pharmaco-proteogenomic profiling of pediatric diffuse midline glioma to inform future treatment strategies. <i>Oncogene</i> , 2022, 41, 461-475.	2.6	39
21	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018, 98, 784-794.	1.2	38
22	Differential cell death decisions in the testis: evidence for an exclusive window of ferroptosis in round spermatids. <i>Molecular Human Reproduction</i> , 2019, 25, 241-256.	1.3	38
23	Proteogenomics: emergence and promise. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 953-957.	2.4	36
24	Signal Transduction in Diffuse Intrinsic Pontine Glioma. <i>Proteomics</i> , 2019, 19, 1800479.	1.3	36
25	Imipridones affect tumor bioenergetics and promote cell lineage differentiation in diffuse midline gliomas. <i>Neuro-Oncology</i> , 2022, 24, 1438-1451.	0.6	36
26	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
27	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
28	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S58-S76.	2.5	30
29	A Kinase Anchor Protein 4 Is Vulnerable to Oxidative Adduction in Male Germ Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 319.	1.8	29
30	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
31	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
32	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
33	Quantitative phosphoproteomics uncovers synergy between DNA-PK and FLT3 inhibitors in acute myeloid leukaemia. <i>Leukemia</i> , 2021, 35, 1782-1787.	3.3	22
34	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021, 26, 960-973.	1.3	22
35	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
36	Functional importance of PP2A regulatory subunit loss in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 166, 117-131.	1.1	21

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37	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
38	Spermâ€Zona Pellucida Interaction: Molecular Mechanisms and the Potential for Contraceptive Intervention. <i>Handbook of Experimental Pharmacology</i> , 2010, , 139-178.	0.9	19
39	Proteomic Profiling of Human Uterine Fibroids Reveals Upregulation of the Extracellular Matrix Protein Periostin. <i>Endocrinology</i> , 2018, 159, 1106-1118.	1.4	17
40	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 487-503.	2.5	16
41	Molecular insights into the divergence and diversity of post-testicular maturation strategies. <i>Molecular and Cellular Endocrinology</i> , 2020, 517, 110955.	1.6	16
42	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
43	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
44	Mouse quiescin sulfhydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associationsâ€. <i>Biology of Reproduction</i> , 2018, 99, 1022-1033.	1.2	15
45	Shwachmanâ€Bodianâ€Diamond syndrome (SBDS) protein is a direct inhibitor of protein phosphatase 2A (PP2A) activity and overexpressed in acute myeloid leukaemia. <i>Leukemia</i> , 2020, 34, 3393-3397.	3.3	14
46	Characterization of the early molecular changes in the glomeruli of Cd151 â~/â” mice highlights induction of mindin and MMP-10. <i>Scientific Reports</i> , 2017, 7, 15987.	1.6	11
47	Cellâ€Free DNA Blood Collection Tubes Are Appropriate for Clinical Proteomics: A Demonstration in Colorectal Cancer. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700121.	0.8	11
48	Analysis of Epididymal Protein Synthesis and Secretion. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	11
49	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
50	Proteomic analysis of koala (<i>Phascolarctos cinereus</i>) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021, 21, e2100067.	1.3	10
51	Reactive Oxygen Species in Acute Lymphoblastic Leukaemia: Reducing Radicals to Refine Responses. <i>Antioxidants</i> , 2021, 10, 1616.	2.2	10
52	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
53	Neuroproteins in Cancer: Assumed Bystanders Become Culprits. <i>Proteomics</i> , 2018, 18, e1800049.	1.3	9
54	A novel role for milk fat globuleâ€EGF factor 8 protein (MFGE8) in the mediation of mouse spermâ€extracellular vesicle interactions. <i>Proteomics</i> , 2021, 21, e2000079.	1.3	9

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55	Cold Shock Domain Containing E1 (CSDE1) Protein is Overexpressed and Can be Targeted to Inhibit Invasiveness in Pancreatic Cancer Cells. <i>Proteomics</i> , 2020, 20, e1900331.	1.3	8
56	Proteome and secretome analysis of pancreatic cancer cells. <i>Proteomics</i> , 2022, 22, e2100320.	1.3	8
57	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
58	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
59	Protein interaction screening identifies SH3RF1 as a new regulator of FAT1 protein levels. <i>FEBS Letters</i> , 2017, 591, 667-678.	1.3	6
60	Furin processing dictates ectodomain shedding of human FAT1 cadherin. <i>Experimental Cell Research</i> , 2014, 323, 41-55.	1.2	5
61	The abundance of a transfer RNA-derived RNA fragment small RNA subpopulation is enriched in cauda spermatozoa. <i>ExRNA</i> , 2020, 2, .	1.0	5
62	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
63	Proteomic Analysis of Human Spermatozoa. , 2017, , 3-22.		3
64	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
65	Finding Needles in Haystacks: The Use of Quantitative Proteomics for the Early Detection of Colorectal Cancer. , 0, , .		1
66	The CCT/TRiC Complex Is Involved in Mediating Sperm-Oocyte Interaction.. <i>Biology of Reproduction</i> , 2011, 85, 518-518.	1.2	1
67	DIPG-29. PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE 3-KINASE (PI3K) INHIBITION DRIVES PROTEIN KINASE C ACTIVATION (PKC) IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020, 22, iii292-iii293.	0.6	1
68	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
69	Abstract 2375: Functional role of the tumor suppressor protein phosphatase, PP2A-B55±, in breast cancer. , 2017, , .		0
70	DIPG-32. AKT SIGNALING DRIVES RESISTANCE TO ONC201 IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020, 22, iii293-iii293.	0.6	0
71	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