

David W Greening

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

15,735
citations

76196

40
h-index

38300

95
g-index

106
all docs

106
docs citations

106
times ranked

20681
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	5.5	6,961
2	Extracellular vesicles in cancer – implications for future improvements in cancer care. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 617-638.	12.5	1,020
3	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. <i>Methods</i> , 2012, 56, 293-304.	1.9	943
4	Extracellular vesicle isolation and characterization: toward clinical application. <i>Journal of Clinical Investigation</i> , 2016, 126, 1152-1162.	3.9	667
5	A Protocol for Exosome Isolation and Characterization: Evaluation of Ultracentrifugation, Density-Gradient Separation, and Immunoaffinity Capture Methods. <i>Methods in Molecular Biology</i> , 2015, 1295, 179-209.	0.4	512
6	Exosomes and their roles in immune regulation and cancer. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 72-81.	2.3	488
7	Two Distinct Populations of Exosomes Are Released from LIM1863 Colon Carcinoma Cell-derived Organoids. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 587-598.	2.5	354
8	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	1.8	317
9	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. <i>Proteomics</i> , 2013, 13, 1672-1686.	1.3	296
10	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. <i>Methods</i> , 2015, 87, 11-25.	1.9	205
11	Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions ¹ . <i>Biology of Reproduction</i> , 2016, 94, 38.	1.2	198
12	Emerging roles of exosomes during epithelial-mesenchymal transition and cancer progression. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 60-71.	2.3	190
13	Deep Sequencing of RNA from Three Different Extracellular Vesicle (EV) Subtypes Released from the Human LIM1863 Colon Cancer Cell Line Uncovers Distinct Mirna-Enrichment Signatures. <i>PLoS ONE</i> , 2014, 9, e110314.	1.1	181
14	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2148-2159.	2.5	167
15	Extracellular Vesicles in Human Reproduction in Health and Disease. <i>Endocrine Reviews</i> , 2018, 39, 292-332.	8.9	146
16	Proteomic insights into extracellular vesicle biology – defining exosomes and shed microvesicles. <i>Expert Review of Proteomics</i> , 2017, 14, 69-95.	1.3	135
17	Understanding extracellular vesicle diversity – current status. <i>Expert Review of Proteomics</i> , 2018, 15, 887-910.	1.3	118
18	Fat Therapeutics: The Clinical Capacity of Adipose-Derived Stem Cells and Exosomes for Human Disease and Tissue Regeneration. <i>Frontiers in Pharmacology</i> , 2020, 11, 158.	1.6	117

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19	Exosomes Derived from Human Primary and Metastatic Colorectal Cancer Cells Contribute to Functional Heterogeneity of Activated Fibroblasts by Reprogramming Their Proteome. <i>Proteomics</i> , 2019, 19, e1800148.	1.3	108
20	A centrifugal ultrafiltration strategy for isolating the low-molecular weight ($\leq 25\text{K}$) component of human plasma proteome. <i>Journal of Proteomics</i> , 2010, 73, 637-648.	1.2	103
21	Proteomics-driven cancer biomarker discovery: looking to the future. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 72-77.	2.8	93
22	Secreted primary human malignant mesothelioma exosome signature reflects oncogenic cargo. <i>Scientific Reports</i> , 2016, 6, 32643.	1.6	85
23	Extracellular vesicles: their role in cancer biology and epithelial-to-mesenchymal transition. <i>Biochemical Journal</i> , 2017, 474, 21-45.	1.7	81
24	Development of Extracellular Vesicle Therapeutics: Challenges, Considerations, and Opportunities. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734720.	1.8	75
25	Transcriptome and long noncoding RNA sequencing of three extracellular vesicle subtypes released from the human colon cancer LIM1863 cell line. <i>Scientific Reports</i> , 2016, 6, 38397.	1.6	72
26	A Protocol for Isolation and Proteomic Characterization of Distinct Extracellular Vesicle Subtypes by Sequential Centrifugal Ultrafiltration. <i>Methods in Molecular Biology</i> , 2017, 1545, 91-116.	0.4	72
27	Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. <i>Oncotarget</i> , 2016, 7, 16070-16089.	0.8	67
28	Distinct shed microvesicle and exosome microRNA signatures reveal diagnostic markers for colorectal cancer. <i>PLoS ONE</i> , 2019, 14, e0210003.	1.1	67
29	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. <i>Oncotarget</i> , 2015, 6, 13718-13730.	0.8	66
30	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. <i>Biology of Reproduction</i> , 2016, 95, 109-109.	1.2	65
31	The Human Amnion Epithelial Cell Secretome Decreases Hepatic Fibrosis in Mice with Chronic Liver Fibrosis. <i>Frontiers in Pharmacology</i> , 2017, 8, 748.	1.6	64
32	<i>Helicobacter pylori</i> Growth Stage Determines the Size, Protein Composition, and Preferential Cargo Packaging of Outer Membrane Vesicles. <i>Proteomics</i> , 2019, 19, e1800209.	1.3	63
33	Schizophrenia is defined by cell-specific neuropathology and multiple neurodevelopmental mechanisms in patient-derived cerebral organoids. <i>Molecular Psychiatry</i> , 2022, 27, 1416-1434.	4.1	57
34	Human Endometrial Extracellular Vesicles Functionally Prepare Human Trophoblast Model for Implantation: Understanding Bidirectional Maternal-to-Embryo Communication. <i>Proteomics</i> , 2019, 19, e1800423.	1.3	56
35	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. <i>Oncotarget</i> , 2016, 7, 19709-19722.	0.8	56
36	Back Cover: <i>Helicobacter pylori</i> Growth Stage Determines the Size, Protein Composition, and Preferential Cargo Packaging of Outer Membrane Vesicles. <i>Proteomics</i> , 2019, 19, 1970004.	1.3	51

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37	Oncogenic and Non-Malignant Pancreatic Exosome Cargo Reveal Distinct Expression of Oncogenic and Prognostic Factors Involved in Tumor Invasion and Metastasis. <i>Proteomics</i> , 2019, 19, e1800158.	1.3	51
38	Intercellular Resistance to BRAF Inhibition Can Be Mediated by Extracellular Vesicle-Associated PDGFR β . <i>Neoplasia</i> , 2017, 19, 932-940.	2.3	50
39	Proteomic and Post-Translational Modification Profiling of Exosome-Mimetic Nanovesicles Compared to Exosomes. <i>Proteomics</i> , 2019, 19, e1800161.	1.3	49
40	Exosomes and soluble secretome from hormone-treated endometrial epithelial cells direct embryo implantation. <i>Molecular Human Reproduction</i> , 2020, 26, 510-520.	1.3	48
41	International blood collection and storage: Clinical use of blood products. <i>Journal of Proteomics</i> , 2010, 73, 386-395.	1.2	46
42	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , 2017, 243, 496-509.	2.1	44
43	Sustained subcutaneous delivery of secretome of human cardiac stem cells promotes cardiac repair following myocardial infarction. <i>Cardiovascular Research</i> , 2021, 117, 918-929.	1.8	43
44	Triton X-114 phase separation in the isolation and purification of mouse liver microsomal membrane proteins. <i>Methods</i> , 2011, 54, 396-406.	1.9	41
45	Modulating the endometrial epithelial proteome and secretome in preparation for pregnancy: The role of ovarian steroid and pregnancy hormones. <i>Journal of Proteomics</i> , 2016, 144, 99-112.	1.2	41
46	Secreted midbody remnants are a class of extracellular vesicles molecularly distinct from exosomes and microparticles. <i>Communications Biology</i> , 2021, 4, 400.	2.0	41
47	Proteomic dissection of large extracellular vesicle surfaceome unravels interactive surface platform. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12164.	5.5	40
48	<i>S</i> -nitrosylation and <i>S</i> -glutathionylation of Cys134 on troponin I have opposing competitive actions on Ca ²⁺ sensitivity in rat fast-twitch muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C316-C327.	2.1	39
49	Comparison of human platelet membrane-cytoskeletal proteins with the plasma proteome: Towards understanding the platelet-plasma nexus. <i>Proteomics - Clinical Applications</i> , 2008, 2, 63-77.	0.8	38
50	Somatic proteome of <i>Haemonchus contortus</i> . <i>International Journal for Parasitology</i> , 2019, 49, 311-320.	1.3	38
51	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. <i>Molecular Psychiatry</i> , 2021, 26, 4431-4447.	4.1	37
52	Proteomic profiling of human uterine extracellular vesicles reveal dynamic regulation of key players of embryo implantation and fertility during menstrual cycle. <i>Proteomics</i> , 2021, 21, e2000211.	1.3	37
53	Detection of cadherin-17 in human colon cancer LIM1215 cell secretome and tumour xenograft-derived interstitial fluid and plasma. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2372-2379.	1.1	33
54	Unique proteome signature of post-chemotherapy ovarian cancer ascites-derived tumor cells. <i>Scientific Reports</i> , 2016, 6, 30061.	1.6	33

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55	A Protocol for Isolation, Purification, Characterization, and Functional Dissection of Exosomes. <i>Methods in Molecular Biology</i> , 2021, 2261, 105-149.	0.4	33
56	Effect of 2D and 3D Culture Microenvironments on Mesenchymal Stem Cell-Derived Extracellular Vesicles Potencies. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 819726.	1.8	32
57	Secretome-based proteomics reveals sulindac-modulated proteins released from colon cancer cells. <i>Proteomics - Clinical Applications</i> , 2009, 3, 433-451.	0.8	31
58	Colon tumour secretome: Insights into endogenous proteolytic cleavage events in the colon tumour microenvironment. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2396-2407.	1.1	31
59	Surfaceome of Exosomes Secreted from the Colorectal Cancer Cell Line SW480: Peripheral and Integral Membrane Proteins Analyzed by Proteolysis and TX114. <i>Proteomics</i> , 2019, 19, e1700453.	1.3	30
60	Proteome characterisation of extracellular vesicles isolated from heart. <i>Proteomics</i> , 2021, 21, e2100026.	1.3	28
61	The proteomic architecture of schizophrenia iPSC-derived cerebral organoids reveals alterations in GWAS and neuronal development factors. <i>Translational Psychiatry</i> , 2021, 11, 541.	2.4	28
62	Transformed MDCK cells secrete elevated MMP1 that generates LAMA5 fragments promoting endothelial cell angiogenesis. <i>Scientific Reports</i> , 2016, 6, 28321.	1.6	26
63	Astrocytes derived from ASD individuals alter behavior and destabilize neuronal activity through aberrant Ca ²⁺ signaling. <i>Molecular Psychiatry</i> , 2022, 27, 2470-2484.	4.1	26
64	Exosomes Derived from the Human Primary Colorectal Cancer Cell Line SW480 Orchestrate Fibroblast-Led Cancer Invasion. <i>Proteomics</i> , 2020, 20, e2000016.	1.3	25
65	The Peptidome Comes of Age: Mass Spectrometry-Based Characterization of the Circulating Cancer Peptidome. <i>The Enzymes</i> , 2017, 42, 27-64.	0.7	22
66	Proteomic profiling reveals key cancer progression modulators in shed microvesicles released from isogenic human primary and metastatic colorectal cancer cell lines. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140171.	1.1	22
67	A Protocol for the Preparation of Cryoprecipitate and Cryodepleted Plasma. <i>Methods in Molecular Biology</i> , 2011, 728, 259-265.	0.4	21
68	Proteomic Insights into Endometrial Receptivity and Embryo-Endometrial Epithelium Interaction for Implantation Reveal Critical Determinants of Fertility. <i>Proteomics</i> , 2020, 20, e1900250.	1.3	21
69	Neurodevelopmental signatures of narcotic and neuropsychiatric risk factors in 3D human-derived forebrain organoids. <i>Molecular Psychiatry</i> , 2021, 26, 7760-7783.	4.1	20
70	Knockdown of stem cell regulator Oct4A in ovarian cancer reveals cellular reprogramming associated with key regulators of cytoskeleton-extracellular matrix remodelling. <i>Scientific Reports</i> , 2017, 7, 46312.	1.6	18
71	Proteome reprogramming of endometrial epithelial cells by human trophoblastic small extracellular vesicles reveals key insights into embryo implantation. <i>Proteomics</i> , 2021, 21, e2000210.	1.3	18
72	Small extracellular vesicles (exosomes) and their cargo in pancreatic cancer: Key roles in the hallmarks of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188728.	3.3	17

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73	Post-translational and transcriptional dynamics “ regulating extracellular vesicle biology. Expert Review of Proteomics, 2019, 16, 17-31.	1.3	16
74	Preparation of Platelet Concentrates. Methods in Molecular Biology, 2011, 728, 267-278.	0.4	15
75	Cancer stem cell marker DCLK1 reprograms small extracellular vesicles toward migratory phenotype in gastric cancer cells. Proteomics, 2021, 21, e2000098.	1.3	15
76	Molecular profiling of cetuximab and bevacizumab treatment of colorectal tumours reveals perturbations in metabolic and hypoxic response pathways. Oncotarget, 2015, 6, 38166-38180.	0.8	14
77	Molecular prospecting for drugs from the sea. IEEE Engineering in Medicine and Biology Magazine, 2005, 24, 79-84.	1.1	13
78	Sulindac modulates secreted protein expression from LIM1215 colon carcinoma cells prior to apoptosis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2293-2307.	1.1	13
79	A Protocol for the Preparation of Cryoprecipitate and Cryo-depleted Plasma for Proteomic Studies. Methods in Molecular Biology, 2017, 1619, 23-30.	0.4	13
80	Human myeloma cell- and plasma-derived extracellular vesicles contribute to functional regulation of stromal cells. Proteomics, 2021, 21, e2000119.	1.3	13
81	Low-Molecular Weight Plasma Proteome Analysis Using Centrifugal Ultrafiltration. Methods in Molecular Biology, 2011, 728, 109-124.	0.4	13
82	Enrichment of Human Platelet Membranes for Proteomic Analysis. Methods in Molecular Biology, 2009, 528, 245-258.	0.4	12
83	Preparation of Platelet Concentrates for Research and Transfusion Purposes. Methods in Molecular Biology, 2017, 1619, 31-42.	0.4	11
84	Characterization of the Low-Molecular-Weight Human Plasma Peptidome. Methods in Molecular Biology, 2017, 1619, 63-79.	0.4	11
85	The proteomes of endometrial stromal cell-derived extracellular vesicles following a decidualizing stimulus define the cells’ potential for decidualization success. Molecular Human Reproduction, 2021, 27, .	1.3	10
86	Recent advances in bioanalytical methods to measure proteome stability in cells. Analyst, The, 2021, 146, 2097-2109.	1.7	9
87	Impact of chemically defined culture media formulations on extracellular vesicle production by amniotic epithelial cells. Proteomics, 2021, 21, 2000080.	1.3	9
88	Human Plasma Extracellular Vesicle Isolation and Proteomic Characterization for the Optimization of Liquid Biopsy in Multiple Myeloma. Methods in Molecular Biology, 2021, 2261, 151-191.	0.4	8
89	Transglutaminase2, RNA-binding proteins and mitochondrial proteins selectively traffic to MDCK cell-derived microvesicles following H-Ras-induced epithelial mesenchymal transition. Proteomics, 2021, 21, 2000221.	1.3	5
90	An updated secretome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2225.	1.1	4

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91	Global protein profiling reveals anti-EGFR monoclonal antibody 806-modulated proteins in A431 tumor xenografts. <i>Growth Factors</i> , 2013, 31, 154-164.	0.5	3
92	Multiple Neurodevelopmental Mechanisms of Schizophrenia in Patient-Derived Cerebral Organoids. <i>Biological Psychiatry</i> , 2021, 89, S100.	0.7	3
93	Assessing the impact of gestational age of donors on the efficacy of amniotic epithelial cell-derived extracellular vesicles in experimental bronchopulmonary dysplasia. <i>Stem Cell Research and Therapy</i> , 2022, 13, 196.	2.4	3
94	Part II: Special Issue on Extracellular Vesicles and Exosomes. <i>Proteomics</i> , 2019, 19, 1900121.	1.3	1
95	Understanding extracellular vesicles. <i>Proteomics</i> , 2021, 21, 2100126.	1.3	1
96	Analysis of Annotated and Unannotated Long Noncoding RNAs from Exosome Subtypes Using Next-Generation RNA Sequencing. <i>Methods in Molecular Biology</i> , 2021, 2254, 195-218.	0.4	1
97	Tophaceous gout in the pelvis. <i>Pathology</i> , 2015, 47, 381-383.	0.3	0
98	Special Issue on Extracellular Vesicles and Exosomes. <i>Proteomics</i> , 2019, 19, 1800434.	1.3	0
99	Front Cover: Proteomic and Post-translational Modification Profiling of Exosome-Mimetic Nanovesicles Compared to Exosomes. <i>Proteomics</i> , 2019, 19, 1970061.	1.3	0
100	Spontaneous generation of ASD astrocytes. <i>Molecular Psychiatry</i> , 2022, 27, 2369-2369.	4.1	0