David W Greening

List of Publications by Year
in descending order

100 papers	15,735 citations	76294 40 h-index	38368 95 g-index
106 all docs	106 docs citations	106 times ranked	20681 citing authors

#	Article	IF	Citations
1	Schizophrenia is defined by cell-specific neuropathology and multiple neurodevelopmental mechanisms in patient-derived cerebral organoids. Molecular Psychiatry, 2022, 27, 1416-1434.	4.1	57
2	Effect of 2D and 3D Culture Microenvironments on Mesenchymal Stem Cell-Derived Extracellular Vesicles Potencies. Frontiers in Cell and Developmental Biology, 2022, 10, 819726.	1.8	32
3	Astrocytes derived from ASD individuals alter behavior and destabilize neuronal activity through aberrant Ca2+ signaling. Molecular Psychiatry, 2022, 27, 2470-2484.	4.1	26
4	Small extracellular vesicles (exosomes) and their cargo in pancreatic cancer: Key roles in the hallmarks of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188728.	3.3	17
5	Assessing the impact of gestational age of donors on the efficacy of amniotic epithelial cell-derived extracellular vesicles in experimental bronchopulmonary dysplasia. Stem Cell Research and Therapy, 2022, 13, 196.	2.4	3
6	Spontaneous generation of ASD astrocytes. Molecular Psychiatry, 2022, 27, 2369-2369.	4.1	0
7	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. Molecular Psychiatry, 2021, 26, 4431-4447.	4.1	37
8	Sustained subcutaneous delivery of secretome of human cardiac stem cells promotes cardiac repair following myocardial infarction. Cardiovascular Research, 2021, 117, 918-929.	1.8	43
9	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
10	Recent advances in bioanalytical methods to measure proteome stability in cells. Analyst, The, 2021, 146, 2097-2109.	1.7	9
11	Human myeloma cellâ€•and plasmaâ€derived extracellular vesicles contribute to functional regulation of stromal cells. Proteomics, 2021, 21, e2000119.	1.3	13
12	Proteomic profiling of human uterine extracellular vesicles reveal dynamic regulation of key players of embryo implantation and fertility during menstrual cycle. Proteomics, 2021, 21, e2000211.	1.3	37
13	Transglutaminaseâ€2, RNAâ€binding proteins and mitochondrial proteins selectively traffic to MDCK cellâ€derived microvesicles following Hâ€Rasâ€induced epithelialâ€“mesenchymal transition. Proteomics, 2021, 21, 2000221.	1.3	5
14	Secreted midbody remnants are a class of extracellular vesicles molecularly distinct from exosomes and microparticles. Communications Biology, 2021, 4, 400.	2.0	41
15	Proteome reprogramming of endometrial epithelial cells by human trophectodermal small extracellular vesicles reveals key insights into embryo implantation. Proteomics, 2021, 21, e2000210.	1.3	18
16	Proteome characterisation of extracellular vesicles isolated from heart. Proteomics, 2021, 21, e2100026.	1.3	28
17	Multiple Neurodevelopmental Mechanisms of Schizophrenia in Patient-Derived Cerebral Organoids. Biological Psychiatry, 2021, 89, S100.	0.7	3
18	Cancer stem cell marker DCLK1 reprograms small extracellular vesicles toward migratory phenotype in gastric cancer cells. Proteomics, 2021, 21, e2000098.	1.3	15

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19	Neurodevelopmental signatures of narcotic and neuropsychiatric risk factors in 3D human-derived forebrain organoids. Molecular Psychiatry, 2021, 26, 7760-7783.	4.1	20
20	Understanding extracellular vesicles. Proteomics, 2021, 21, 2100126.	1.3	1
21	Impact of chemically defined culture media formulations on extracellular vesicle production by amniotic epithelial cells. Proteomics, 2021, 21, 2000080.	1.3	9
22	The proteomes of endometrial stromal cell-derived extracellular vesicles following a decidualizing stimulus define the cellsâ€™ potential for decidualization success. Molecular Human Reproduction, 2021, 27, .	1.3	10
23	Development of Extracellular Vesicle Therapeutics: Challenges, Considerations, and Opportunities. Frontiers in Cell and Developmental Biology, 2021, 9, 734720.	1.8	75
24	A Protocol for Isolation, Purification, Characterization, and Functional Dissection of Exosomes. Methods in Molecular Biology, 2021, 2261, 105-149.	0.4	33
25	Analysis of Annotated and Unannotated Long Noncoding RNAs from Exosome Subtypes Using Next-Generation RNA Sequencing. Methods in Molecular Biology, 2021, 2254, 195-218.	0.4	1
26	The proteomic architecture of schizophrenia iPSC-derived cerebral organoids reveals alterations in GWAS and neuronal development factors. Translational Psychiatry, 2021, 11, 541.	2.4	28
27	Proteomic dissection of large extracellular vesicle surfaceome unravels interactive surface platform. Journal of Extracellular Vesicles, 2021, 10, e12164.	5.5	40
28	Proteomic Insights into Endometrial Receptivity and Embryoâ€Endometrial Epithelium Interaction for Implantation Reveal Critical Determinants of Fertility. Proteomics, 2020, 20, e1900250.	1.3	21
29	Exosomes Derived from the Human Primary Colorectal Cancer Cell Line SW480 Orchestrate Fibroblastâ€Led Cancer Invasion. Proteomics, 2020, 20, e2000016.	1.3	25
30	Exosomes and soluble secretome from hormone-treated endometrial epithelial cells direct embryo implantation. Molecular Human Reproduction, 2020, 26, 510-520.	1.3	48
31	Fat Therapeutics: The Clinical Capacity of Adipose-Derived Stem Cells and Exosomes for Human Disease and Tissue Regeneration. Frontiers in Pharmacology, 2020, 11, 158.	1.6	117
32	Helicobacter pylori Growth Stage Determines the Size, Protein Composition, and Preferential Cargo Packaging of Outer Membrane Vesicles. Proteomics, 2019, 19, e1800209.	1.3	63
33	Back Cover: Helicobacter pylori Growth Stage Determines the Size, Protein Composition, and Preferential Cargo Packaging of Outer Membrane Vesicles. Proteomics, 2019, 19, 1970004.	1.3	51
34	Human Endometrial Extracellular Vesicles Functionally Prepare Human Trophectoderm Model for Implantation: Understanding Bidirectional Maternalâ€Embryo Communication. Proteomics, 2019, 19, e1800423.	1.3	56
35	Special Issue on Extracellular Vesicles and Exosomes. Proteomics, 2019, 19, 1800434.	1.3	0
36	Part II: Special Issue on Extracellular Vesicles and Exosomes. Proteomics, 2019, 19, 1900121.	1.3	1

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37	Front Cover: Proteomic and Postâ€Translational Modification Profiling of Exosomeâ€Mimetic Nanovesicles Compared to Exosomes. Proteomics, 2019, 19, 1970061.	1.3	0
38	Oncogenic and Nonâ€Malignant Pancreatic Exosome Cargo Reveal Distinct Expression of Oncogenic and Prognostic Factors Involved in Tumor Invasion and Metastasis. Proteomics, 2019, 19, e1800158.	1.3	51
39	Surfaceome of Exosomes Secreted from the Colorectal Cancer Cell Line SW480: Peripheral and Integral Membrane Proteins Analyzed by Proteolysis and TX114. Proteomics, 2019, 19, e1700453.	1.3	30
40	Proteomic and Postâ€Translational Modification Profiling of Exosomeâ€Mimetic Nanovesicles Compared to Exosomes. Proteomics, 2019, 19, e1800161.	1.3	49
41	Somatic proteome of Haemonchus contortus. International Journal for Parasitology, 2019, 49, 311-320.	1.3	38
42	Exosomes Derived from Human Primary and Metastatic Colorectal Cancer Cells Contribute to Functional Heterogeneity of Activated Fibroblasts by Reprogramming Their Proteome. Proteomics, 2019, 19, e1800148.	1.3	108
43	Post-translational and transcriptional dynamics â€“ regulating Âextracellular vesicle biology. Expert Review of Proteomics, 2019, 16, 17-31.	1.3	16
44	Distinct shed microvesicle and exosome microRNA signatures reveal diagnostic markers for colorectal cancer. PLoS ONE, 2019, 14, e0210003.	1.1	67
45	Proteomic profiling reveals key cancer progression modulators in shed microvesicles released from isogenic human primary and metastatic colorectal cancer cell lines. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 140171.	1.1	22
46	Extracellular Vesicles in Human Reproduction in Health and Disease. Endocrine Reviews, 2018, 39, 292-332.	8.9	146
47	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. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
48	Understanding extracellular vesicle diversity â€“ current status. Expert Review of Proteomics, 2018, 15, 887-910.	1.3	118
49	Extracellular vesicles in cancer â€” implications for future improvements in cancer care. Nature Reviews Clinical Oncology, 2018, 15, 617-638.	12.5	1,020
50	Knockdown of stem cell regulator Oct4A in ovarian cancer reveals cellular reprogramming associated with key regulators of cytoskeleton-extracellular matrix remodelling. Scientific Reports, 2017, 7, 46312.	1.6	18
51	S-nitrosylation andS-glutathionylation of Cys134 on troponin I have opposing competitive actions on Ca²⁺sensitivity in rat fast-twitch muscle fibers. American Journal of Physiology - Cell Physiology, 2017, 312, C316-C327.	2.1	39
52	Extracellular vesicles: their role in cancer biology and epithelialâ€“mesenchymal transition. Biochemical Journal, 2017, 474, 21-45.	1.7	81
53	A Protocol for Isolation and Proteomic Characterization of Distinct Extracellular Vesicle Subtypes by Sequential Centrifugal Ultrafiltration. Methods in Molecular Biology, 2017, 1545, 91-116.	0.4	72
54	Intercellular Resistance to BRAF Inhibition Can Be Mediated by Extracellular Vesicleâ€“Associated PDGFRÎ². Neoplasia, 2017, 19, 932-940.	2.3	50

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55	Myoepithelial cellâ€specific expression of stefin A as a suppressor of early breast cancer invasion. Journal of Pathology, 2017, 243, 496-509.	2.1	44
56	The Peptidome Comes of Age: Mass Spectrometry-Based Characterization of the Circulating Cancer Peptidome. The Enzymes, 2017, 42, 27-64.	0.7	22
57	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
58	Preparation of Platelet Concentrates for Research and Transfusion Purposes. Methods in Molecular Biology, 2017, 1619, 31-42.	0.4	11
59	Characterization of the Low-Molecular-Weight Human Plasma Peptidome. Methods in Molecular Biology, 2017, 1619, 63-79.	0.4	11
60	Proteomic insights into extracellular vesicle biology â€“ defining exosomes and shed microvesicles. Expert Review of Proteomics, 2017, 14, 69-95.	1.3	135
61	The Human Amnion Epithelial Cell Secretome Decreases Hepatic Fibrosis in Mice with Chronic Liver Fibrosis. Frontiers in Pharmacology, 2017, 8, 748.	1.6	64
62	Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. Oncotarget, 2016, 7, 16070-16089.	0.8	67
63	Extracellular vesicle isolation and characterization: toward clinical application. Journal of Clinical Investigation, 2016, 126, 1152-1162.	3.9	667
64	Secreted primary human malignant mesothelioma exosome signature reflects oncogenic cargo. Scientific Reports, 2016, 6, 32643.	1.6	85
65	Transcriptome and long noncoding RNA sequencing of three extracellular vesicle subtypes released from the human colon cancer LIM1863 cell line. Scientific Reports, 2016, 6, 38397.	1.6	72
66	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. Biology of Reproduction, 2016, 95, 109-109.	1.2	65
67	Unique proteome signature of post-chemotherapy ovarian cancer ascites-derived tumor cells. Scientific Reports, 2016, 6, 30061.	1.6	33
68	Modulating the endometrial epithelial proteome and secretome in preparation for pregnancy: The role of ovarian steroid and pregnancy hormones. Journal of Proteomics, 2016, 144, 99-112.	1.2	41
69	Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions1. Biology of Reproduction, 2016, 94, 38.	1.2	198
70	Transformed MDCK cells secrete elevated MMP1 that generates LAMA5 fragments promoting endothelial cell angiogenesis. Scientific Reports, 2016, 6, 28321.	1.6	26
71	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. Oncotarget, 2016, 7, 19709-19722.	0.8	56
72	Tophaceous gout in the pelvis. Pathology, 2015, 47, 381-383.	0.3	0

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73	EVpedia: a community web portal for extracellular vesicles research. Bioinformatics, 2015, 31, 933-939.	1.8	317
74	Exosomes and their roles in immune regulation and cancer. Seminars in Cell and Developmental Biology, 2015, 40, 72-81.	2.3	488
75	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. Methods, 2015, 87, 11-25.	1.9	205
76	A Protocol for Exosome Isolation and Characterization: Evaluation of Ultracentrifugation, Density-Gradient Separation, and Immunoaffinity Capture Methods. Methods in Molecular Biology, 2015, 1295, 179-209.	0.4	512
77	Emerging roles of exosomes during epithelialâ€“mesenchymal transition and cancer progression. Seminars in Cell and Developmental Biology, 2015, 40, 60-71.	2.3	190
78	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. Oncotarget, 2015, 6, 13718-13730.	0.8	66
79	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
80	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. PLoS ONE, 2014, 9, e110314.	1.1	181
81	An updated secretome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2225.	1.1	4
82	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. Proteomics, 2013, 13, 1672-1686.	1.3	296
83	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2013, 12, 2148-2159.	2.5	167
84	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
85	Detection of cadherin-17 in human colon cancer LIM1215 cell secretome and tumour xenograft-derived interstitial fluid and plasma. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2372-2379.	1.1	33
86	Colon tumour secretopeptidome: Insights into endogenous proteolytic cleavage events in the colon tumour microenvironment. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2396-2407.	1.1	31
87	Global protein profiling reveals anti-EGFR monoclonal antibody 806-modulated proteins in A431 tumor xenografts. Growth Factors, 2013, 31, 154-164.	0.5	3
88	Two Distinct Populations of Exosomes Are Released from LIM1863 Colon Carcinoma Cell-derived Organoids. Molecular and Cellular Proteomics, 2013, 12, 587-598.	2.5	354
89	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. Methods, 2012, 56, 293-304.	1.9	943
90	A Protocol for the Preparation of Cryoprecipitate and Cryodepleted Plasma. Methods in Molecular Biology, 2011, 728, 259-265.	0.4	21

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91	Triton X-114 phase separation in the isolation and purification of mouse liver microsomal membrane proteins. Methods, 2011, 54, 396-406.	1.9	41
92	Preparation of Platelet Concentrates. Methods in Molecular Biology, 2011, 728, 267-278.	0.4	15
93	Low-Molecular Weight Plasma Proteome Analysis Using Centrifugal Ultrafiltration. Methods in Molecular Biology, 2011, 728, 109-124.	0.4	13
94	International blood collection and storage: Clinical use of blood products. Journal of Proteomics, 2010, 73, 386-395.	1.2	46
95	A centrifugal ultrafiltration strategy for isolating the low-molecular weight (â‰25K) component of human plasma proteome. Journal of Proteomics, 2010, 73, 637-648.	1.2	103
96	Secretomeâ€based proteomics reveals sulindacâ€modulated proteins released from colon cancer cells. Proteomics - Clinical Applications, 2009, 3, 433-451.	0.8	31
97	Enrichment of Human Platelet Membranes for Proteomic Analysis. Methods in Molecular Biology, 2009, 528, 245-258.	0.4	12
98	Comparison of human platelet membraneâ€cytoskeletal proteins with the plasma proteome: Towards understanding the plateletâ€plasma nexus. Proteomics - Clinical Applications, 2008, 2, 63-77.	0.8	38
99	Proteomics-driven cancer biomarker discovery: looking to the future. Current Opinion in Chemical Biology, 2008, 12, 72-77.	2.8	93
100	Molecular prospecting for drugs from the sea. IEEE Engineering in Medicine and Biology Magazine, 2005, 24, 79-84.	1.1	13