

Lorraine O Driscoll

List of Publications by Citations

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111
papers

14,158
citations

44
h-index

117
g-index

117
ext. papers

18,182
ext. citations

7.5
avg, IF

6.73
L-index

#	Paper	IF	Citations
111	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	16.4	3642
110	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27066	16.4	2611
109	Metabolic syndrome: a closer look at the growing epidemic and its associated pathologies. <i>Obesity Reviews</i> , 2015 , 16, 1-12	10.6	872
108	Three-dimensional cell culture: the missing link in drug discovery. <i>Drug Discovery Today</i> , 2013 , 18, 240-9	8.8	747
107	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 30087	16.4	722
106	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017 , 14, 228-232	21.6	560
105	Docetaxel-resistance in prostate cancer: evaluating associated phenotypic changes and potential for resistance transfer via exosomes. <i>PLoS ONE</i> , 2012 , 7, e50999	3.7	312
104	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. <i>ACS Nano</i> , 2016 , 10, 3886-99	16.7	304
103	Correlating transcriptional networks to breast cancer survival: a large-scale coexpression analysis. <i>Carcinogenesis</i> , 2013 , 34, 2300-8	4.6	228
102	Prognostic importance of survivin in breast cancer. <i>British Journal of Cancer</i> , 2003 , 88, 1077-83	8.7	206
101	Intracellular and extracellular microRNAs in breast cancer. <i>Clinical Chemistry</i> , 2011 , 57, 18-32	5.5	179
100	Inhibiting extracellular vesicles formation and release: a review of EV inhibitors. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1703244	16.4	178
99	miR-134 in extracellular vesicles reduces triple-negative breast cancer aggression and increases drug sensitivity. <i>Oncotarget</i> , 2015 , 6, 32774-89	3.3	171
98	Exosomes from triple-negative breast cancer cells can transfer phenotypic traits representing their cells of origin to secondary cells. <i>European Journal of Cancer</i> , 2013 , 49, 1845-59	7.5	162
97	miR-34a is an intracellular and exosomal predictive biomarker for response to docetaxel with clinical relevance to prostate cancer progression. <i>Prostate</i> , 2014 , 74, 1320-34	4.2	155
96	The relevance of using 3D cell cultures, in addition to 2D monolayer cultures, when evaluating breast cancer drug sensitivity and resistance. <i>Oncotarget</i> , 2016 , 7, 45745-45756	3.3	141
95	Characterisation and manipulation of docetaxel resistant prostate cancer cell lines. <i>Molecular Cancer</i> , 2011 , 10, 126	42.1	135

94	ISEV position paper: extracellular vesicle RNA analysis and bioinformatics. <i>Journal of Extracellular Vesicles</i> , 2013 , 2,	16.4	99
93	Biomarkers and multiple drug resistance in breast cancer. <i>Current Cancer Drug Targets</i> , 2006 , 6, 365-84	2.8	98
92	Extracellular vesicles and anti-cancer drug resistance. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018 , 1870, 123-136	11.2	96
91	Mesenchymal Stem Cell Derived Extracellular Vesicles for Tissue Engineering and Regenerative Medicine Applications. <i>Cells</i> , 2020 , 9,	7.9	93
90	Expanding on exosomes and ectosomes in cancer. <i>New England Journal of Medicine</i> , 2015 , 372, 2359-62	59.2	78
89	Investigation of MRP-1 protein and MDR-1 P-glycoprotein expression in invasive breast cancer: a prognostic study. <i>International Journal of Cancer</i> , 2004 , 112, 286-94	7.5	78
88	The Role of Exosomes in Breast Cancer. <i>Clinical Chemistry</i> , 2015 , 61, 1457-65	5.5	77
87	Isolation of exosomes for subsequent mRNA, MicroRNA, and protein profiling. <i>Methods in Molecular Biology</i> , 2011 , 784, 181-95	1.4	76
86	Resistance to HER2-targeted anti-cancer drugs is associated with immune evasion in cancer cells and their derived extracellular vesicles. <i>Oncolmmunology</i> , 2017 , 6, e1362530	7.2	68
85	Neuromedin U: a multifunctional neuropeptide with pleiotropic roles. <i>Clinical Chemistry</i> , 2015 , 61, 471-83	3.5	68
84	Expression of multidrug resistance markers ABCB1 (MDR-1/P-gp) and ABCC1 (MRP-1) in renal cell carcinoma. <i>BMC Urology</i> , 2009 , 9, 6	2.2	65
83	2-D difference gel electrophoresis of the lung squamous cell carcinoma versus normal sera demonstrates consistent alterations in the levels of ten specific proteins. <i>Electrophoresis</i> , 2007 , 28, 4302-10	2.6	65
82	Survivin: role in normal cells and in pathological conditions. <i>Current Cancer Drug Targets</i> , 2003 , 3, 131-52	2.8	62
81	Identification of microRNAs with a role in glucose stimulated insulin secretion by expression profiling of MIN6 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 457-62	3.4	61
80	Lack of prognostic significance of survivin, survivin-deltaEx3, survivin-2B, galectin-3, bag-1, bax-alpha and MRP-1 mRNAs in breast cancer. <i>Cancer Letters</i> , 2003 , 201, 225-36	9.9	61
79	Relevance of circulating tumor cells, extracellular nucleic acids, and exosomes in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2010 , 123, 613-25	4.4	60
78	International Society for Extracellular Vesicles and International Society for Cell and Gene Therapy statement on extracellular vesicles from mesenchymal stromal cells and other cells: considerations for potential therapeutic agents to suppress coronavirus disease-19. <i>Cytotherapy</i> , 2020 , 22, 482-485	4.8	59
77	Global analysis of serum microRNAs as potential biomarkers for lung adenocarcinoma. <i>Cancer Biology and Therapy</i> , 2013 , 14, 1104-12	4.6	58

76	miR-630 targets IGF1R to regulate response to HER-targeting drugs and overall cancer cell progression in HER2 over-expressing breast cancer. <i>Molecular Cancer</i> , 2014 , 13, 71	42.1	55
75	Investigation of the molecular profile of basal cell carcinoma using whole genome microarrays. <i>Molecular Cancer</i> , 2006 , 5, 74	42.1	52
74	Blood-Based Biomarkers for Metabolic Syndrome. <i>Trends in Endocrinology and Metabolism</i> , 2016 , 27, 363-374	8.8	52
73	Platelets increase survival of adenocarcinoma cells challenged with anticancer drugs: mechanisms and implications for chemoresistance. <i>British Journal of Pharmacology</i> , 2012 , 167, 787-804	8.6	51
72	Molecular medicine of microRNAs: structure, function and implications for diabetes. <i>Expert Reviews in Molecular Medicine</i> , 2008 , 10, e24	6.7	50
71	Prevalence and prognostic and predictive relevance of PRAME in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2008 , 109, 359-65	4.4	49
70	Considerations towards a roadmap for collection, handling and storage of blood extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1647027	16.4	48
69	Phenotypic and global gene expression profile changes between low passage and high passage MIN-6 cells. <i>Journal of Endocrinology</i> , 2006 , 191, 665-76	4.7	47
68	Proteomic screening of glucose-responsive and glucose non-responsive MIN-6 beta cells reveals differential expression of proteins involved in protein folding, secretion and oxidative stress. <i>Proteomics</i> , 2006 , 6, 6578-87	4.8	46
67	Galectin-3 expression alters adhesion, motility and invasion in a lung cell line (DLKP), in vitro. <i>Anticancer Research</i> , 2002 , 22, 3117-25	2.3	44
66	Breast cancer: understanding sensitivity and resistance to chemotherapy and targeted therapies to aid in personalised medicine. <i>Current Cancer Drug Targets</i> , 2009 , 9, 398-418	2.8	43
65	A phase I clinical and pharmacokinetic study of the multi-drug resistance protein-1 (MRP-1) inhibitor sulindac, in combination with epirubicin in patients with advanced cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2007 , 59, 79-87	3.5	42
64	Drug resistance in cancer - searching for mechanisms, markers and therapeutic agents. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 805-17	5.5	42
63	2-Deoxy-D-Glucose inhibits aggressive triple-negative breast cancer cells by targeting glycolysis and the cancer stem cell phenotype. <i>Scientific Reports</i> , 2019 , 9, 3788	4.9	39
62	Dairy proteins, dairy lipids, and postprandial lipemia in persons with abdominal obesity (DairyHealth): a 12-wk, randomized, parallel-controlled, double-blinded, diet intervention study. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 870-8	7	36
61	Extracellular nucleic acids and their potential as diagnostic, prognostic and predictive biomarkers. <i>Anticancer Research</i> , 2007 , 27, 1257-65	2.3	36
60	Tyrosine kinase inhibitors potentiate the cytotoxicity of MDR-substrate anticancer agents independent of growth factor receptor status in lung cancer cell lines. <i>Investigational New Drugs</i> , 2010 , 28, 433-44	4.3	35
59	The use of reverse transcriptase-polymerase chain reaction (RT-PCR) to investigate specific gene expression in multidrug-resistant cells. <i>Cytotechnology</i> , 1993 , 12, 289-314	2.2	33

58	Enhanced in vitro invasiveness and drug resistance with altered gene expression patterns in a human lung carcinoma cell line after pulse selection with anticancer drugs. <i>International Journal of Cancer</i> , 2004 , 111, 484-93	7.5	31
57	Comparative antiproliferative effects of iniparib and olaparib on a panel of triple-negative and non-triple-negative breast cancer cell lines. <i>Cancer Biology and Therapy</i> , 2013 , 14, 537-45	4.6	30
56	Membrane transport proteins in human melanoma: associations with tumour aggressiveness and metastasis. <i>British Journal of Cancer</i> , 2010 , 102, 1157-62	8.7	30
55	Neratinib resistance and cross-resistance to other HER2-targeted drugs due to increased activity of metabolism enzyme cytochrome P4503A4. <i>British Journal of Cancer</i> , 2017 , 116, 620-625	8.7	29
54	Neuromedin U: a candidate biomarker and therapeutic target to predict and overcome resistance to HER-tyrosine kinase inhibitors. <i>Cancer Research</i> , 2014 , 74, 3821-33	10.1	29
53	Human bone marrow stem/stromal cell osteogenesis is regulated via mechanically activated osteocyte-derived extracellular vesicles. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1431-1447	6.9	27
52	A call for the standardised reporting of factors affecting the exogenous loading of extracellular vesicles with therapeutic cargos. <i>Advanced Drug Delivery Reviews</i> , 2021 , 173, 479-491	18.5	26
51	The emerging world of microRNAs. <i>Anticancer Research</i> , 2006 , 26, 4271-8	2.3	26
50	TMEM25, REPS2 and Meis 1: favourable prognostic and predictive biomarkers for breast cancer. <i>Tumor Biology</i> , 2009 , 30, 200-9	2.9	25
49	Isolation from a human MDR lung cell line of multiple clonal subpopulations which exhibit significantly different drug resistance. <i>International Journal of Cancer</i> , 1997 , 71, 907-15	7.5	24
48	The future of Extracellular Vesicles as Theranostics - an ISEV meeting report. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809766	16.4	23
47	Drug metabolism-related genes as potential biomarkers: analysis of expression in normal and tumour breast tissue. <i>Breast Cancer Research and Treatment</i> , 2008 , 110, 521-30	4.4	22
46	MAGE-D4B is a novel marker of poor prognosis and potential therapeutic target involved in breast cancer tumorigenesis. <i>International Journal of Cancer</i> , 2012 , 130, 1991-2002	7.5	21
45	EGFR and HER2 inhibition in pancreatic cancer. <i>Investigational New Drugs</i> , 2013 , 31, 558-66	4.3	21
44	Decreasing Txnip mRNA and protein levels in pancreatic MIN6 cells reduces reactive oxygen species and restores glucose regulated insulin secretion. <i>Cellular Physiology and Biochemistry</i> , 2010 , 25, 667-74	3.9	21
43	Directed differentiation of mouse embryonic stem cells into pancreatic-like or neuronal- and glial-like phenotypes. <i>Tissue Engineering</i> , 2007 , 13, 2419-30		18
42	Evaluation of recombinant human transferrin (DeltaFerrin(TM)) as an iron chelator in serum-free media for mammalian cell culture. <i>Cytotechnology</i> , 2006 , 51, 29-37	2.2	17
41	Mechanisms associated with loss of glucose responsiveness in beta cells. <i>Transplantation Proceedings</i> , 2004 , 36, 1159-62	1.1	17

40	Feasibility and relevance of global expression profiling of gene transcripts in serum from breast cancer patients using whole genome microarrays and quantitative RT-PCR. <i>Cancer Genomics and Proteomics</i> , 2008 , 5, 94-104	3.3	16
39	Detection of amplifiable mRNA extracellular to insulin-producing cells: potential for predicting beta cell mass and function. <i>Clinical Chemistry</i> , 2007 , 53, 1936-44	5.5	15
38	Neuromedin U alters bioenergetics and expands the cancer stem cell phenotype in HER2-positive breast cancer. <i>International Journal of Cancer</i> , 2017 , 140, 2771-2784	7.5	14
37	SNIP/p140Cap mRNA expression is an unfavourable prognostic factor in breast cancer and is not expressed in normal breast tissue. <i>British Journal of Cancer</i> , 2008 , 98, 1641-5	8.7	14
36	The use of LC-MS to identify differentially expressed proteins in docetaxel-resistant prostate cancer cell lines. <i>Proteomics</i> , 2012 , 12, 2115-26	4.8	13
35	The development and validation of the Virtual Tissue Matrix, a software application that facilitates the review of tissue microarrays on line. <i>BMC Bioinformatics</i> , 2006 , 7, 256	3.6	13
34	Isosteviol has beneficial effects on palmitate-induced cell dysfunction and gene expression. <i>PLoS ONE</i> , 2012 , 7, e34361	3.7	13
33	Proteomic analysis of conditioned media from glucose responsive and glucose non-responsive phenotypes reveals a panel of secreted proteins associated with beta cell dysfunction. <i>Electrophoresis</i> , 2008 , 29, 4141-9	3.6	11
32	Isolation, structure elucidation, and cytotoxic evaluation of furanonaphthoquinones from in vitro plantlets and cultures of <i>Streptocarpus dunnii</i> . <i>Journal of Natural Products</i> , 2011 , 74, 82-5	4.9	10
31	Predictive biomarkers for dasatinib treatment in melanoma. <i>Oncoscience</i> , 2014 , 1, 158-66	0.8	8
30	A microarray approach to translational medicine in breast cancer: how representative are cell line models of clinical conditions?. <i>Anticancer Research</i> , 2007 , 27, 1295-300	2.3	8
29	Can hi-jacking hypoxia inhibit extracellular vesicles in cancer?. <i>Drug Discovery Today</i> , 2018 , 23, 1267-1273	3.8	7
28	MicroRNA Profiling of Exosomes. <i>Methods in Molecular Biology</i> , 2017 , 1509, 37-46	1.4	7
27	Engineering Vero cells to secrete human insulin. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2002 , 38, 146-53	2.6	7
26	Detecting de novo insulin synthesis in embryonic stem cell-derived populations. <i>Experimental Cell Research</i> , 2007 , 313, 1405-14	4.2	6
25	miR-758-3p: a blood-based biomarker that influence on the expression of CERP/ABCA1 may contribute to the progression of obesity to metabolic syndrome. <i>Oncotarget</i> , 2018 , 9, 9379-9390	3.3	6
24	Receptor tyrosine kinases and drug resistance: development and characterization of in vitro models of resistance to RTK inhibitors. <i>Methods in Molecular Biology</i> , 2015 , 1233, 169-80	1.4	5
23	MicroRNA expression analysis: techniques suitable for studies of intercellular and extracellular microRNAs. <i>Methods in Molecular Biology</i> , 2011 , 784, 99-107	1.4	5

22	Reverse-transcriptase polymerase chain reaction to detect extracellular mRNAs. <i>Methods in Molecular Biology</i> , 2011 , 784, 15-25	1.4	4
21	Optimisation and comparison of orthogonal methods for separation and characterisation of extracellular vesicles to investigate how representative infant milk formula is of milk. <i>Food Chemistry</i> , 2021 , 353, 129309	8.5	4
20	Analysis of changes in phosphorylation of receptor tyrosine kinases: antibody arrays. <i>Methods in Molecular Biology</i> , 2015 , 1233, 15-23	1.4	3
19	Profiling Circulating miRNAs from the Plasma of Individuals with Metabolic Syndrome. <i>Methods in Molecular Biology</i> , 2017 , 1509, 141-149	1.4	3
18	Detection of Specific mRNAs in Culture Medium Conditioned by Human Tumour Cells: Potential for New Class of Cancer Biomarkers in Serum. <i>Cancer Genomics and Proteomics</i> , 2005 , 2, 43-52	3.3	3
17	Characterisation of BHK-21 cells engineered to secrete human insulin. <i>Cytotechnology</i> , 2003 , 41, 11-21	2.2	2
16	Pre-Clinical In Vitro Models Used in Cancer Research: Results of a Worldwide Survey. <i>Cancers</i> , 2021 , 13,	6.6	2
15	Western blotting analysis as a tool to study receptor tyrosine kinases. <i>Methods in Molecular Biology</i> , 2011 , 784, 109-21	1.4	2
14	Extracellular vesicles report on the MET status of their cells of origin regardless of the method used for their isolation. <i>Scientific Reports</i> , 2020 , 10, 19020	4.9	2
13	Extracellular vesicles in blood: are they viable as diagnostic and predictive tools in breast cancer?. <i>Drug Discovery Today</i> , 2021 , 26, 778-785	8.8	2
12	Extracellular vesicle separation from milk and infant milk formula using acid precipitation and ultracentrifugation. <i>STAR Protocols</i> , 2021 , 2, 100821	1.4	2
11	Challenges in molecular analysis for individualized cancer therapy. <i>Drug Discovery Today</i> , 2003 , 8, 531	8.8	1
10	Expression in murine teratocarcinoma F9 cells of transcription factors involved in pancreas development. <i>Transplantation Proceedings</i> , 2004 , 36, 1151-8	1.1	1
9	Receptor tyrosine kinase targeting in multicellular spheroids. <i>Methods in Molecular Biology</i> , 2015 , 1233, 161-8	1.4	1
8	When E-Cadherin Becomes Unstuck in Cancer. <i>New England Journal of Medicine</i> , 2020 , 383, 871-873	59.2	1
7	Extracellular Vesicle Functionalized Melt Electrowritten Scaffolds for Bone Tissue Engineering. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2100037	0	1
6	Miniaturized In Vitro Assays to Study Cellular Phenotypic Characteristics: Proliferation, Migration, Invasion, and Anoikis-Resistance. <i>Methods in Molecular Biology</i> , 2021 , 2283, 225-232	1.4	1
5	A method of separating extracellular vesicles from blood shows potential clinical translation, and reveals extracellular vesicle cargo gremlin-1 as a diagnostic biomarker. <i>Translational Oncology</i> , 2021 , 15, 101274	4.9	0

- 4 Neuromedin U to increase IL-6 levels and to expand cancer stem cells in HER2-positive breast cancer cells.. *Journal of Clinical Oncology*, **2015**, 33, 614-614 2.2
- 3 Analysis of gene expression as relevant to cancer cells and circulating tumour cells. *Methods in Molecular Biology*, **2011**, 784, 55-75 1.4
- 2 The potential of miR-630, an IGF1R regulator, as a predictive biomarker for HER2-targeted drugs.. *Journal of Clinical Oncology*, **2013**, 31, 620-620 2.2
- 1 Gene Expression Microarray Technology: Some Applications in Lung Cancer Research. *Cancer Genomics and Proteomics*, **2006**, 3, 197-202 3.3