

# David Lyden

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152  
papers

31,899  
citations

56  
h-index

164  
g-index

164  
ext. papers

36,925  
ext. citations

20.1  
avg, IF

6.86  
L-index

#	Paper	IF	Citations
152	Astrocytic laminin-211 drives disseminated breast tumor cell dormancy in brain.. <i>Nature Cancer</i> , <b>2022</b> , 3, 25-42	15.4	6
151	Abstract P5-05-02: Extracellular vesicles from obese human breast adipose tissue promote breast cancer cell proliferation by increasing mitochondrial mass and stimulating mitochondrial respiration. <i>Cancer Research</i> , <b>2022</b> , 82, P5-05-02-P5-05-02	10.1	
150	Melanoma-derived small extracellular vesicles induce lymphangiogenesis and metastasis through an NGFR-dependent mechanism.. <i>Nature Cancer</i> , <b>2021</b> , 2, 1387-1405	15.4	7
149	Extracellular vesicle and particle isolation from human and murine cell lines, tissues, and bodily fluids. <i>STAR Protocols</i> , <b>2021</b> , 2, 100225	1.4	2
148	Extracellular vesicle- and particle-mediated communication shapes innate and adaptive immune responses. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	12
147	The PI3K/mTOR inhibitor Gedatolisib eliminates dormant breast cancer cells in organotypic culture, but fails to prevent metastasis in preclinical settings. <i>Molecular Oncology</i> , <b>2021</b> ,	7.9	4
146	An exosome pathway without an ESCRT. <i>Cell Research</i> , <b>2021</b> , 31, 105-106	24.7	10
145	Tumour-regulated anorexia preceding cachexia. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 111-113	23.4	2
144	Mutation Is Associated with Increased Risk of Recurrence in Surgically Resected Lung Adenocarcinoma. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 2604-2612	12.9	9
143	Cancer-Associated Fibroblasts Promote Aggressive Gastric Cancer Phenotypes via Heat Shock Factor 1-Mediated Secretion of Extracellular Vesicles. <i>Cancer Research</i> , <b>2021</b> , 81, 1639-1653	10.1	13
142	A Genomic-Pathologic Annotated Risk Model to Predict Recurrence in Early-Stage Lung Adenocarcinoma. <i>JAMA Surgery</i> , <b>2021</b> , 156, e205601	5.4	16
141	Calcium signaling induces a partial EMT. <i>EMBO Reports</i> , <b>2021</b> , 22, e51872	6.5	6
140	Temozolomide in secondary prevention of HER2-positive breast cancer brain metastases. <i>Future Oncology</i> , <b>2020</b> , 16, 899-909	3.6	13
139	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 125-136.e7	18	338
138	Error-free, automated data integration of exosome cargo protein data with extensive clinical data in an ongoing, multi-omic translational research study.. <i>Journal of Clinical Oncology</i> , <b>2020</b> , 38, e16743-e16743	2.2	2
137	Phase I/II study of T-DM1 alone versus T-DM1 and metronomic temozolomide in secondary prevention of HER2-positive breast cancer brain metastases following stereotactic radiosurgery.. <i>Journal of Clinical Oncology</i> , <b>2020</b> , 38, TPS2572-TPS2572	2.2	
136	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. <i>Cell</i> , <b>2020</b> , 182, 1044-1061	6.18	288

135	Zena Werb, Ph.D, Queen of the Matrix In Memoriam (1945-2020). <i>Cancer Research</i> , <b>2020</b> , 80, 3773-3774	10.1	
134	Tumour vesicular micromachinery uncovered. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 795-797	23.4	5
133	Tumor Lymphatic Function Regulates Tumor Inflammatory and Immunosuppressive Microenvironments. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 1345-1358	12.5	11
132	Ribosome biogenesis during cell cycle arrest fuels EMT in development and disease. <i>Nature Communications</i> , <b>2019</b> , 10, 2110	17.4	59
131	Exosome-Mediated Metastasis: Communication from a Distance. <i>Developmental Cell</i> , <b>2019</b> , 49, 347-360	10.2	425
130	Asymmetric-flow field-flow fractionation technology for exomere and small extracellular vesicle separation and characterization. <i>Nature Protocols</i> , <b>2019</b> , 14, 1027-1053	18.8	153
129	Tumour exosomal CEMIP protein promotes cancer cell colonization in brain metastasis. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 1403-1412	23.4	131
128	Non-reversible tissue fixation retains extracellular vesicles for in situ imaging. <i>Nature Methods</i> , <b>2019</b> , 16, 1269-1273	21.6	13
127	Tumor Extracellular Vesicles Impede Interferon Alert Responses. <i>Cancer Cell</i> , <b>2019</b> , 35, 3-5	24.3	0
126	Variant ribosomal RNA alleles are conserved and exhibit tissue-specific expression. <i>Science Advances</i> , <b>2018</b> , 4, eaao0665	14.3	105
125	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 332-343	23.4	686
124	Extracellular matrix proteins and carcinoembryonic antigen-related cell adhesion molecules characterize pancreatic duct fluid exosomes in patients with pancreatic cancer. <i>Hpb</i> , <b>2018</b> , 20, 597-604	3.8	36
123	A phase II study of radioimmunotherapy with intraventricular I-3F8 for medulloblastoma. <i>Pediatric Blood and Cancer</i> , <b>2018</b> , 65, e26754	3	26
122	Engineered niches model the onset of metastasis. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 885-887	19	3
121	Complex polymorphisms in endocytosis genes suggest alpha-cyclodextrin as a treatment for breast cancer. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199012	3.7	9
120	Evolution of Cancer Stem-like Cells in Endocrine-Resistant Metastatic Breast Cancers Is Mediated by Stromal Microvesicles. <i>Cancer Research</i> , <b>2017</b> , 77, 1927-1941	10.1	83
119	Pre-metastatic niches: organ-specific homes for metastases. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 302-317	31.3	815
118	Packaging and transfer of mitochondrial DNA via exosomes regulate escape from dormancy in hormonal therapy-resistant breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9066-E9075	11.5	317

117	Unshielding Exosomal RNA Unleashes Tumor Growth And Metastasis. <i>Cell</i> , <b>2017</b> , 170, 223-225	56.2	27
116	Bone voyage-Osteoblasts remotely control tumors. <i>Science</i> , <b>2017</b> , 358, 1127-1128	33.3	3
115	A Freeze Drying Sample Preparation Method for Correlative Light and Scanning/Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1368-1369	0.5	
114	A proangiogenic signaling axis in myeloid cells promotes malignant progression of glioma. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1826-1838	15.9	22
113	JAK2 inhibition sensitizes resistant EGFR-mutant lung adenocarcinoma to tyrosine kinase inhibitors. <i>Science Signaling</i> , <b>2016</b> , 9, ra33	8.8	41
112	The Effect of Cage Shape on Nanoparticle-Based Drug Carriers: Anticancer Drug Release and Efficacy via Receptor Blockade Using Dextran-Coated Iron Oxide Nanocages. <i>Nano Letters</i> , <b>2016</b> , 16, 7357-7363	11.5	35
111	Divergent clonal selection dominates medulloblastoma at recurrence. <i>Nature</i> , <b>2016</b> , 529, 351-7	50.4	206
110	Self-renewal of CD133(hi) cells by IL6/Notch3 signalling regulates endocrine resistance in metastatic breast cancer. <i>Nature Communications</i> , <b>2016</b> , 7, 10442	17.4	114
109	Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. <i>Lancet Oncology, The</i> , <b>2016</b> , 17, 484-495	21.7	187
108	Activation of Hematopoietic Stem/Progenitor Cells Promotes Immunosuppression Within the Pre-metastatic Niche. <i>Cancer Research</i> , <b>2016</b> , 76, 1335-47	10.1	83
107	Extracellular Vesicles in Cancer: Cell-to-Cell Mediators of Metastasis. <i>Cancer Cell</i> , <b>2016</b> , 30, 836-848	24.3	931
106	Pre-Metastatic Niche Formation Has Taken Its TOLL. <i>Cancer Cell</i> , <b>2016</b> , 30, 189-191	24.3	10
105	Pancreatic cancer exosomes initiate pre-metastatic niche formation in the liver. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 816-26	23.4	1533
104	Tumour exosome integrins determine organotropic metastasis. <i>Nature</i> , <b>2015</b> , 527, 329-35	50.4	2614
103	Id1 suppresses anti-tumour immune responses and promotes tumour progression by impairing myeloid cell maturation. <i>Nature Communications</i> , <b>2015</b> , 6, 6840	17.4	56
102	Medulloblastoma subgroups remain stable across primary and metastatic compartments. <i>Acta Neuropathologica</i> , <b>2015</b> , 129, 449-57	14.3	58
101	Double-stranded DNA in exosomes: a novel biomarker in cancer detection. <i>Cell Research</i> , <b>2014</b> , 24, 766-924.7	24.7	987
100	Macromolecular crowding meets tissue engineering by self-assembly: a paradigm shift in regenerative medicine. <i>Advanced Materials</i> , <b>2014</b> , 26, 3024-34	24	114

99	The IL-6/JAK/Stat3 feed-forward loop drives tumorigenesis and metastasis. <i>Neoplasia</i> , <b>2013</b> , 15, 848-62	6.4	289
98	Roadblocks to translational advances on metastasis research. <i>Nature Medicine</i> , <b>2013</b> , 19, 1104-9	50.5	60
97	Molecular diagnostics in paediatric glial tumours. <i>Lancet Oncology</i> , <b>2013</b> , 14, e19-27	21.7	8
96	The evolution of the cancer niche during multistage carcinogenesis. <i>Nature Reviews Cancer</i> , <b>2013</b> , 13, 511-8	31.3	195
95	The perivascular niche regulates breast tumour dormancy. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 807-17	23.4	736
94	Melanoma exosomes educate bone marrow progenitor cells toward a pro-metastatic phenotype through MET. <i>Nature Medicine</i> , <b>2012</b> , 18, 883-91	50.5	2530
93	STAT3 negatively regulates thyroid tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E2361-70	11.5	99
92	Neoangiogenesis contributes to the development of hemophilic synovitis. <i>Blood</i> , <b>2011</b> , 117, 2484-93	2.2	80
91	The secreted factors responsible for pre-metastatic niche formation: old sayings and new thoughts. <i>Seminars in Cancer Biology</i> , <b>2011</b> , 21, 139-46	12.7	469
90	A TeNaCious foundation for the metastatic niche. <i>Cancer Cell</i> , <b>2011</b> , 20, 139-41	24.3	6
89	Stat3 mediates expression of autotaxin in breast cancer. <i>PLoS ONE</i> , <b>2011</b> , 6, e27851	3.7	56
88	Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. <i>Nature</i> , <b>2010</b> , 468, 310-5	50.4	551
87	Expansion and maintenance of human embryonic stem cell-derived endothelial cells by TGFbeta inhibition is Id1 dependent. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 161-6	44.5	242
86	Resisting arrest: a switch from angiogenesis to vasculogenesis in recurrent malignant gliomas. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 663-7	15.9	25
85	Kaplan et al. reply. <i>Nature</i> , <b>2009</b> , 461, E5-E5	50.4	2
84	The metastatic niche: adapting the foreign soil. <i>Nature Reviews Cancer</i> , <b>2009</b> , 9, 285-93	31.3	939
83	Id1 represses osteoclast-dependent transcription and affects bone formation and hematopoiesis. <i>PLoS ONE</i> , <b>2009</b> , 4, e7955	3.7	27
82	Interactions Between Megakaryocytes and Tumour Cells at the Bone Marrow Vascular Stem Cell Niche Promote Tumour Growth and Metastasis.. <i>Blood</i> , <b>2009</b> , 114, 470-470	2.2	

81	A catalytic role for proangiogenic marrow-derived cells in tumor neovascularization. <i>Cancer Cell</i> , <b>2008</b> , 13, 181-3	24.3	73
80	Inflammation joins the "niche". <i>Cancer Cell</i> , <b>2008</b> , 14, 347-9	24.3	39
79	Migratory neighbors and distant invaders: tumor-associated niche cells. <i>Genes and Development</i> , <b>2008</b> , 22, 559-74	12.6	305
78	Regulation of vasculogenesis by platelet-mediated recruitment of bone marrow-derived cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 217-22	9.4	56
77	Chapter 11. The role of bone marrow-derived cells in tumor angiogenesis and metastatic progression. <i>Methods in Enzymology</i> , <b>2008</b> , 444, 255-69	1.7	5
76	Cancer. A few to flip the angiogenic switch. <i>Science</i> , <b>2008</b> , 319, 163-4	33.3	52
75	CD133 expression is not restricted to stem cells, and both CD133+ and CD133- metastatic colon cancer cells initiate tumors. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2111-20	15.9	654
74	A phase II trial of carboplatin for intraocular retinoblastoma. <i>Pediatric Blood and Cancer</i> , <b>2007</b> , 49, 643-8	3	43
73	Bone marrow cells in the 'pre-metastatic niche': within bone and beyond. <i>Cancer and Metastasis Reviews</i> , <b>2006</b> , 25, 521-9	9.6	237
72	Preparing the "soil": the premetastatic niche. <i>Cancer Research</i> , <b>2006</b> , 66, 11089-93	10.1	505
71	Cytokine-mediated deployment of SDF-1 induces revascularization through recruitment of CXCR4+ hemangiocytes. <i>Nature Medicine</i> , <b>2006</b> , 12, 557-67	50.5	567
70	AC133/CD133/Prominin-1. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 715-9	5.6	311
69	VEGFR1-positive haematopoietic bone marrow progenitors initiate the pre-metastatic niche. <i>Nature</i> , <b>2005</b> , 438, 820-7	50.4	2409
68	p130Rb2 and p27kip1 cooperate to control mobilization of angiogenic progenitors from the bone marrow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 6890-5	11.5	16
67	Chemokine-mediated interaction of hematopoietic progenitors with the bone marrow vascular niche is required for thrombopoiesis. <i>Nature Medicine</i> , <b>2004</b> , 10, 64-71	50.5	631
66	Newly Discovered Polymorphism in the CD34+ Stem Cell Specific AC133-P1 Promoter Linked to Leukemias.. <i>Blood</i> , <b>2004</b> , 104, 2002-2002	2.2	
65	Patterns of failure using a conformal radiation therapy tumor bed boost for medulloblastoma. <i>Journal of Clinical Oncology</i> , <b>2003</b> , 21, 3079-83	2.2	82
64	Primary leptomeningeal primitive neuroectodermal tumor. <i>Journal of Neuro-Oncology</i> , <b>2003</b> , 63, 299-303	1.8	8

63	Therapeutic stem and progenitor cell transplantation for organ vascularization and regeneration. <i>Nature Medicine</i> , <b>2003</b> , 9, 702-12	50.5	1404
62	Tumor response to radiotherapy regulated by endothelial cell apoptosis. <i>Science</i> , <b>2003</b> , 300, 1155-9	33.3	1260
61	Placental growth factor reconstitutes hematopoiesis by recruiting VEGFR1(+) stem cells from bone-marrow microenvironment. <i>Nature Medicine</i> , <b>2002</b> , 8, 841-9	50.5	553
60	Vascular and haematopoietic stem cells: novel targets for anti-angiogenesis therapy?. <i>Nature Reviews Cancer</i> , <b>2002</b> , 2, 826-35	31.3	599
59	Young adult bone marrow-derived endothelial precursor cells restore aging-impaired cardiac angiogenic function. <i>Circulation Research</i> , <b>2002</b> , 90, E89-93	15.7	251
58	Contribution of marrow-derived progenitors to vascular and cardiac regeneration. <i>Seminars in Cell and Developmental Biology</i> , <b>2002</b> , 13, 61-7	7.5	121
57	Recruitment of stem and progenitor cells from the bone marrow niche requires MMP-9 mediated release of kit-ligand. <i>Cell</i> , <b>2002</b> , 109, 625-37	56.2	1498
56	Impaired recruitment of bone-marrow-derived endothelial and hematopoietic precursor cells blocks tumor angiogenesis and growth. <i>Nature Medicine</i> , <b>2001</b> , 7, 1194-201	50.5	1633
55	The Id proteins and angiogenesis. <i>Oncogene</i> , <b>2001</b> , 20, 8334-41	9.2	189
54	Vascular endothelial growth factor and angiopoietin-1 stimulate postnatal hematopoiesis by recruitment of vasculogenic and hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 193, 1005-14	16.6	582
53	Id1 and Id3 are required for neurogenesis, angiogenesis and vascularization of tumour xenografts. <i>Nature</i> , <b>1999</b> , 401, 670-7	50.4	781
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