

Andrew J Ewald

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

13,784
citations

61984

43
h-index

56724

83
g-index

96
all docs

96
docs citations

96
times ranked

20680
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix metalloproteinases and the regulation of tissue remodelling. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 221-233.	37.0	2,519
2	Mitofusins Mfn1 and Mfn2 coordinately regulate mitochondrial fusion and are essential for embryonic development. <i>Journal of Cell Biology</i> , 2003, 160, 189-200.	5.2	2,081
3	Collective Invasion in Breast Cancer Requires a Conserved Basal Epithelial Program. <i>Cell</i> , 2013, 155, 1639-1651.	28.9	652
4	Three-dimensional organotypic culture: experimental models of mammalian biology and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 647-664.	37.0	626
5	Polyclonal breast cancer metastases arise from collective dissemination of keratin 14-expressing tumor cell clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E854-63.	7.1	576
6	E-cadherin is required for metastasis in multiple models of breast cancer. <i>Nature</i> , 2019, 573, 439-444.	27.8	544
7	Collective Epithelial Migration and Cell Rearrangements Drive Mammary Branching Morphogenesis. <i>Developmental Cell</i> , 2008, 14, 570-581.	7.0	541
8	PDGFR β ⁺ perivascular progenitor cells in tumours regulate pericyte differentiation and vascular survival. <i>Nature Cell Biology</i> , 2005, 7, 870-879.	10.3	518
9	A collective route to metastasis: Seeding by tumor cell clusters. <i>Science</i> , 2016, 352, 167-169.	12.6	436
10	Imaging Tumor-Stroma Interactions during Chemotherapy Reveals Contributions of the Microenvironment to Resistance. <i>Cancer Cell</i> , 2012, 21, 488-503.	16.8	419
11	ECM microenvironment regulates collective migration and local dissemination in normal and malignant mammary epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2595-604.	7.1	369
12	GATA-3 Links Tumor Differentiation and Dissemination in a Luminal Breast Cancer Model. <i>Cancer Cell</i> , 2008, 13, 141-152.	16.8	314
13	Morphogenesis of epithelial tubes: Insights into tube formation, elongation, and elaboration. <i>Developmental Biology</i> , 2010, 341, 34-55.	2.0	294
14	Cell-Polarity Dynamics Controls the Mechanism of Lumen Formation in Epithelial Morphogenesis. <i>Current Biology</i> , 2008, 18, 507-513.	3.9	190
15	A temporal requirement for Hippo signaling in mammary gland differentiation, growth, and tumorigenesis. <i>Genes and Development</i> , 2014, 28, 432-437.	5.9	187
16	Twist1-induced dissemination preserves epithelial identity and requires E-cadherin. <i>Journal of Cell Biology</i> , 2014, 204, 839-856.	5.2	178
17	A Molecular Switch for the Orientation of Epithelial Cell Polarization. <i>Developmental Cell</i> , 2014, 31, 171-187.	7.0	175
18	Visualizing stromal cell dynamics in different tumor microenvironments by spinning disk confocal microscopy. <i>DMM Disease Models and Mechanisms</i> , 2008, 1, 155-167.	2.4	174

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19	The MAPK/ERK1,2 pathway integrates distinct and antagonistic signals from TGF β and FGF7 in morphogenesis of mouse mammary epithelium. <i>Developmental Biology</i> , 2007, 306, 193-207.	2.0	169
20	Genetic mosaic analysis reveals FGF receptor 2 function in terminal end buds during mammary gland branching morphogenesis. <i>Developmental Biology</i> , 2008, 321, 77-87.	2.0	151
21	Calcium signaling during convergent extension in <i>Xenopus</i> . <i>Current Biology</i> , 2001, 11, 652-661.	3.9	141
22	An expanded universe of cancer targets. <i>Cell</i> , 2021, 184, 1142-1155.	28.9	135
23	Mammary collective cell migration involves transient loss of epithelial features and individual cell migration within the epithelium. <i>Journal of Cell Science</i> , 2012, 125, 2638-54.	2.0	132
24	Human primary liver cancer organoids reveal intratumor and interpatient drug response heterogeneity. <i>JCI Insight</i> , 2019, 4, .	5.0	131
25	Cell-cell communication enhances the capacity of cell ensembles to sense shallow gradients during morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E679-88.	7.1	126
26	3D Culture Assays of Murine Mammary Branching Morphogenesis and Epithelial Invasion. <i>Methods in Molecular Biology</i> , 2015, 1189, 135-162.	0.9	113
27	The independent roles of mechanical, structural and adhesion characteristics of 3D hydrogels on the regulation of cancer invasion and dissemination. <i>Biomaterials</i> , 2013, 34, 9486-9495.	11.4	101
28	Illuminating breast cancer invasion: diverse roles for cell-cell interactions. <i>Current Opinion in Cell Biology</i> , 2014, 30, 99-111.	5.4	98
29	Adhesion in Mammary Development. <i>Current Topics in Developmental Biology</i> , 2015, 112, 353-382.	2.2	87
30	The relationship between terminal functionalization and molecular weight of a gene delivery polymer and transfection efficacy in mammary epithelial 2-D cultures and 3-D organotypic cultures. <i>Biomaterials</i> , 2010, 31, 8088-8096.	11.4	83
31	Engineering an Artificial Cell Stimulating Matrix for Immunotherapy. <i>Advanced Materials</i> , 2019, 31, e1807359.	21.0	74
32	A Tissue-Engineered 3D Microvessel Model Reveals the Dynamics of Mosaic Vessel Formation in Breast Cancer. <i>Cancer Research</i> , 2020, 80, 4288-4301.	0.9	69
33	Myoepithelial cells are a dynamic barrier to epithelial dissemination. <i>Journal of Cell Biology</i> , 2018, 217, 3368-3381.	5.2	66
34	Mechano-induced cell metabolism promotes microtubule glutamylation to force metastasis. <i>Cell Metabolism</i> , 2021, 33, 1342-1357.e10.	16.2	66
35	Mammary epithelial tubes elongate through MAPK-dependent coordination of cell migration. <i>Development (Cambridge)</i> , 2016, 143, 983-93.	2.5	65
36	A First-in-Class TWIST1 Inhibitor with Activity in Oncogene-Driven Lung Cancer. <i>Molecular Cancer Research</i> , 2017, 15, 1764-1776.	3.4	61

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37	Cellular mechanisms regulating epithelial morphogenesis and cancer invasion. <i>Current Opinion in Cell Biology</i> , 2010, 22, 640-650.	5.4	60
38	HMGA1 amplifies Wnt signalling and expands the intestinal stem cell compartment and Paneth cell niche. <i>Nature Communications</i> , 2017, 8, 15008.	12.8	59
39	Coordination of Receptor Tyrosine Kinase Signaling and Interfacial Tension Dynamics Drives Radial Intercalation and Tube Elongation. <i>Developmental Cell</i> , 2018, 45, 67-82.e6.	7.0	59
40	Pattern of Invasion in Human Pancreatic Cancer Organoids Is Associated with Loss of SMAD4 and Clinical Outcome. <i>Cancer Research</i> , 2020, 80, 2804-2817.	0.9	58
41	Mammary ductal elongation and myoepithelial migration are regulated by the composition of the extracellular matrix. <i>Journal of Microscopy</i> , 2013, 251, 212-223.	1.8	53
42	Cellular foundations of mammary tubulogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2014, 31, 124-131.	5.0	49
43	Developmental stratification of the mammary epithelium occurs through symmetry-breaking vertical divisions of apically positioned luminal cells. <i>Development (Cambridge)</i> , 2014, 141, 1085-1094.	2.5	48
44	Systemic Delivery of Microencapsulated 3-Bromopyruvate for the Therapy of Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2014, 20, 6406-6417.	7.0	47
45	Dynamic, Long-Term In Vivo Imaging of Tumor-Stroma Interactions in Mouse Models of Breast Cancer Using Spinning-Disk Confocal Microscopy. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.top97.	0.3	43
46	Organotypic culture assays for murine and human primary and metastatic-site tumors. <i>Nature Protocols</i> , 2020, 15, 2413-2442.	12.0	40
47	GBM heterogeneity as a function of variable epidermal growth factor receptor variant III activity. <i>Oncotarget</i> , 2016, 7, 79101-79116.	1.8	39
48	Statin-induced GGPP depletion blocks macropinocytosis and starves cells with oncogenic defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4158-4168.	7.1	39
49	The changing role of natural killer cells in cancer metastasis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	36
50	Modeling Wnt signaling by CRISPR-Cas9 genome editing recapitulates neoplasia in human Barrett epithelial organoids. <i>Cancer Letters</i> , 2018, 436, 109-118.	7.2	35
51	TRPV1 is a physiological regulator of μ -opioid receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13561-13566.	7.1	30
52	mTORC1 loss impairs epidermal adhesion via TGF- β /Rho kinase activation. <i>Journal of Clinical Investigation</i> , 2017, 127, 4001-4017.	8.2	30
53	Isolation of Mouse Mammary Organoids for Long-Term Time-Lapse Imaging. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072892-pdb.prot072892.	0.3	29
54	Tumor-Resident Stromal Cells Promote Breast Cancer Invasion through Regulation of the Basal Phenotype. <i>Molecular Cancer Research</i> , 2020, 18, 1615-1622.	3.4	29

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55	Practical Considerations for Long-Term Time-Lapse Imaging of Epithelial Morphogenesis in Three-Dimensional Organotypic Cultures. Cold Spring Harbor Protocols, 2013, 2013, pdb.top072884.	0.3	25
56	On the role of p53 in the cellular response to aneuploidy. Cell Reports, 2021, 34, 108892.	6.4	24
57	Twist1-Induced Epithelial Dissemination Requires Prkd1 Signaling. Cancer Research, 2020, 80, 204-218.	0.9	23
58	P114RhoGEF governs cell motility and lumen formation during tubulogenesis via ROCK-myosin II pathway. Journal of Cell Science, 2015, 128, 4317-27.	2.0	22
59	3D cell biology – the expanding frontier. Journal of Cell Science, 2017, 130, 1-1.	2.0	22
60	DOT1L Is a Novel Cancer Stem Cell Target for Triple-Negative Breast Cancer. Clinical Cancer Research, 2022, 28, 1948-1965.	7.0	21
61	Biomechanical interplay between anisotropic re-organization of cells and the surrounding matrix underlies transition to invasive cancer spread. Scientific Reports, 2018, 8, 14210.	3.3	19
62	Engineering a 3D collective cancer invasion model with control over collagen fiber alignment. Biomaterials, 2021, 275, 120922.	11.4	16
63	Organoids in cancer research: a review for pathologists–scientists. Journal of Pathology, 2021, 254, 395-404.	4.5	14
64	Epigenetically regulated digital signaling defines epithelial innate immunity at the tissue level. Nature Communications, 2021, 12, 1836.	12.8	13
65	Intussusceptive Angiogenesis in Human Metastatic Malignant Melanoma. American Journal of Pathology, 2021, 191, 2023-2038.	3.8	13
66	Twist1-positive epithelial cells retain adhesive and proliferative capacity throughout dissemination. Biology Open, 2016, 5, 1216-1228.	1.2	12
67	Neuroblastoma Invasion Strategies Are Regulated by the Extracellular Matrix. Cancers, 2021, 13, 736.	3.7	12
68	Invasive leader cells: metastatic oncotarget. Oncotarget, 2014, 5, 1390-1391.	1.8	12
69	Sugar-coated cell signalling. Nature, 2014, 511, 298-299.	27.8	11
70	Mosaic loss of non-muscle myosin IIA and IIB is sufficient to induce mammary epithelial proliferation. Journal of Cell Science, 2017, 130, 3213-3221.	2.0	9
71	Genetic Engineering of Primary Mouse Intestinal Organoids Using Magnetic Nanoparticle Transduction Viral Vectors for Frozen Sectioning. Journal of Visualized Experiments, 2019, , .	0.3	9
72	Between-tumor and within-tumor heterogeneity in invasive potential. PLoS Computational Biology, 2020, 16, e1007464.	3.2	9

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73	Organoid Co-culture Methods to Capture Cancer Cell–Natural Killer Cell Interactions. <i>Methods in Molecular Biology</i> , 2022, 2463, 235-250.	0.9	8
74	Pulling cells out of tumours. <i>Nature Cell Biology</i> , 2017, 19, 147-149.	10.3	7
75	GDNF drives rapid tubule morphogenesis in novel 3D in vitro model for ADPKD. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	7
76	Microscale pressure measurements based on an immiscible fluid/fluid interface. <i>Scientific Reports</i> , 2019, 9, 20044.	3.3	6
77	OrgDyn: feature- and model-based characterization of spatial and temporal organoid dynamics. <i>Bioinformatics</i> , 2020, 36, 3292-3294.	4.1	6
78	Metastasis inside-out: dissemination of cancer cell clusters with inverted polarity. <i>EMBO Journal</i> , 2018, 37, .	7.8	5
79	Vertebrate Gastrulation: Separation Is Sticky and Tense. <i>Current Biology</i> , 2008, 18, R615-R617.	3.9	4
80	3D Analysis of Multi-cellular Responses to Chemoattractant Gradients. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
81	An Arresting Story about Basement Membrane Invasion. <i>Developmental Cell</i> , 2015, 35, 143-144.	7.0	1
82	Mammary epithelial tubes elongate through MAPK-dependent coordination of cell migration. <i>Journal of Cell Science</i> , 2016, 129, e1.1-e1.1.	2.0	1
83	New tools for visualization and analysis of morphogenesis in spherical embryos. <i>Developmental Dynamics</i> , 2006, 235, spc1-spc1.	1.8	0
84	Quantitative real-time analysis of collective cancer invasion and dissemination. , 2015, , .		0
85	Editorial Overview: Integration of dynamic processes in cell behaviour and tissue architecture. <i>Current Opinion in Cell Biology</i> , 2018, 54, iii-v.	5.4	0
86	Zena Werb (1945–2020). <i>Cell Stem Cell</i> , 2020, 27, 356-358.	11.1	0
87	Cellular strategies and molecular regulation of normal and neoplastic epithelial morphogenesis. <i>FASEB Journal</i> , 2011, 25, 66.4.	0.5	0
88	Mammary collective cell migration involves transient loss of epithelial features and individual cell migration within the epithelium. <i>Development (Cambridge)</i> , 2012, 139, e1608-e1608.	2.5	0
89	Pitavastatin Selectively Kills PTEN Knock Out Cells and Cancer Organoids in Mouse Model via the Mevalonate Pathway. <i>FASEB Journal</i> , 2019, 33, 782.14.	0.5	0
90	Improving the odds together: a framework for breast cancer research scientists to include patient advocates in their research. <i>Npj Breast Cancer</i> , 2022, 8, .	5.2	0