Andrew J Ewald

List of Publications by Year
in descending order

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90 papers	13,784 citations	71004 43 h-index	64407 83 g-index
96 all docs	96 docs citations	96 times ranked	22765 citing authors

#	Article	IF	Citations
1	DOT1L Is a Novel Cancer Stem Cell Target for Triple-Negative Breast Cancer. Clinical Cancer Research, 2022, 28, 1948-1965.	3.2	21
2	Organoid Co-culture Methods to Capture Cancer Cellâ€“Natural Killer Cell Interactions. Methods in Molecular Biology, 2022, 2463, 235-250.	0.4	8
3	The changing role of natural killer cells in cancer metastasis. Journal of Clinical Investigation, 2022, 132, .	3.9	36
4	Improving the odds together: a framework for breast cancer research scientists to include patient advocates in their research. Npj Breast Cancer, 2022, 8, .	2.3	0
5	Neuroblastoma Invasion Strategies Are Regulated by the Extracellular Matrix. Cancers, 2021, 13, 736.	1.7	12
6	Epigenetically regulated digital signaling defines epithelial innate immunity at the tissue level. Nature Communications, 2021, 12, 1836.	5.8	13
7	On the role of p53 in the cellular response to aneuploidy. Cell Reports, 2021, 34, 108892.	2.9	24
8	An expanded universe of cancer targets. Cell, 2021, 184, 1142-1155.	13.5	135
9	Organoids in cancer research: a review for pathologistâ€scientists. Journal of Pathology, 2021, 254, 395-404.	2.1	14
10	Mechano-induced cell metabolism promotes microtubule glutamylation to force metastasis. Cell Metabolism, 2021, 33, 1342-1357.e10.	7.2	66
11	Engineering a 3D collective cancer invasion model with control over collagen fiber alignment. Biomaterials, 2021, 275, 120922.	5.7	16
12	Intussusceptive Angiogenesis in Human Metastatic Malignant Melanoma. American Journal of Pathology, 2021, 191, 2023-2038.	1.9	13
13	Twist1-Induced Epithelial Dissemination Requires Prkd1 Signaling. Cancer Research, 2020, 80, 204-218.	0.4	23
14	Organotypic culture assays for murine and human primary and metastatic-site tumors. Nature Protocols, 2020, 15, 2413-2442.	5.5	40
15	A Tissue-Engineered 3D Microvessel Model Reveals the Dynamics of Mosaic Vessel Formation in Breast Cancer. Cancer Research, 2020, 80, 4288-4301.	0.4	69
16	Tumor-Resident Stromal Cells Promote Breast Cancer Invasion through Regulation of the Basal Phenotype. Molecular Cancer Research, 2020, 18, 1615-1622.	1.5	29
17	Zena Werb (1945â€“2020). Cell Stem Cell, 2020, 27, 356-358.	5.2	0
18	Pattern of Invasion in Human Pancreatic Cancer Organoids Is Associated with Loss of SMAD4 and Clinical Outcome. Cancer Research, 2020, 80, 2804-2817.	0.4	58

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19	GDNF drives rapid tubule morphogenesis in novel 3D in vitro model for ADPKD. Journal of Cell Science, 2020, 133, .	1.2	7
20	OrgDyn: feature- and model-based characterization of spatial and temporal organoid dynamics. Bioinformatics, 2020, 36, 3292-3294.	1.8	6
21	Statin-induced GGPP depletion blocks macropinocytosis and starves cells with oncogenic defects. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4158-4168.	3.3	39
22	Between-tumor and within-tumor heterogeneity in invasive potential. PLoS Computational Biology, 2020, 16, e1007464.	1.5	9
23	E-cadherin is required for metastasis in multiple models of breast cancer. Nature, 2019, 573, 439-444.	13.7	544
24	Human primary liver cancer organoids reveal intratumor and interpatient drug response heterogeneity. JCI Insight, 2019, 4, .	2.3	131
25	3D Analysis of Multi-cellular Responses to Chemoattractant Gradients. Journal of Visualized Experiments, 2019, , .	0.2	2
26	Genetic Engineering of Primary Mouse Intestinal Organoids Using Magnetic Nanoparticle Transduction Viral Vectors for Frozen Sectioning. Journal of Visualized Experiments, 2019, , .	0.2	9
27	Engineering an Artificial Tâ€Cell Stimulating Matrix for Immunotherapy. Advanced Materials, 2019, 31, e1807359.	11.1	74
28	Microscale pressure measurements based on an immiscible fluid/fluid interface. Scientific Reports, 2019, 9, 20044.	1.6	6
29	Pitavastatin Selectively Kills PTEN Knock Out Cells and Cancer Organoids in Mouse Model via the Mevalonate Pathway. FASEB Journal, 2019, 33, 782.14.	0.2	0
30	Coordination of Receptor Tyrosine Kinase Signaling and Interfacial Tension Dynamics Drives Radial Intercalation and Tube Elongation. Developmental Cell, 2018, 45, 67-82.e6.	3.1	59
31	Metastasis insideâ€out: dissemination of cancer cell clusters with inverted polarity. EMBO Journal, 2018, 37, .	3.5	5
32	Editorial Overview: Integration of dynamic processes in cell behaviour and tissue architecture. Current Opinion in Cell Biology, 2018, 54, iii-v.	2.6	0
33	Biomechanical interplay between anisotropic re-organization of cells and the surrounding matrix underlies transition to invasive cancer spread. Scientific Reports, 2018, 8, 14210.	1.6	19
34	Myoepithelial cells are a dynamic barrier to epithelial dissemination. Journal of Cell Biology, 2018, 217, 3368-3381.	2.3	66
35	Modeling Wnt signaling by CRISPR-Cas9 genome editing recapitulates neoplasia in human Barrett epithelial organoids. Cancer Letters, 2018, 436, 109-118.	3.2	35
36	Pulling cells out of tumours. Nature Cell Biology, 2017, 19, 147-149.	4.6	7

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37	3D cell biology â€“ the expanding frontier. Journal of Cell Science, 2017, 130, 1-1.	1.2	22
38	HMGA1 amplifies Wnt signalling and expands the intestinal stem cell compartment and Paneth cell niche. Nature Communications, 2017, 8, 15008.	5.8	59
39	Mosaic loss of non-muscle myosin IIA and IIB is sufficient to induce mammary epithelial proliferation. Journal of Cell Science, 2017, 130, 3213-3221.	1.2	9
40	A First-in-Class TWIST1 Inhibitor with Activity in Oncogene-Driven Lung Cancer. Molecular Cancer Research, 2017, 15, 1764-1776.	1.5	61
41	TRPV1 is a physiological regulator of Î¼-opioid receptors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13561-13566.	3.3	30
42	mTORC1 loss impairs epidermal adhesion via TGF-Î²/Rho kinase activation. Journal of Clinical Investigation, 2017, 127, 4001-4017.	3.9	30
43	Twist1-positive epithelial cells retain adhesive and proliferative capacity throughout dissemination. Biology Open, 2016, 5, 1216-1228.	0.6	12
44	GBM heterogeneity as a function of variable epidermal growth factor receptor variant III activity. Oncotarget, 2016, 7, 79101-79116.	0.8	39
45	A collective route to metastasis: Seeding by tumor cell clusters. Science, 2016, 352, 167-169.	6.0	436
46	Cellâ€“cell communication enhances the capacity of cell ensembles to sense shallow gradients during morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E679-88.	3.3	126
47	Mammary epithelial tubes elongate through MAPK-dependent coordination of cell migration. Development (Cambridge), 2016, 143, 983-93.	1.2	65
48	Polyclonal breast cancer metastases arise from collective dissemination of keratin 14-expressing tumor cell clusters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E854-63.	3.3	576
49	Mammary epithelial tubes elongate through MAPK-dependent coordination of cell migration. Journal of Cell Science, 2016, 129, e1.1-e1.1.	1.2	1
50	Adhesion in Mammary Development. Current Topics in Developmental Biology, 2015, 112, 353-382.	1.0	87
51	Quantitative real-time analysis of collective cancer invasion and dissemination. , 2015, , .		0
52	An Arresting Story about Basement Membrane Invasion. Developmental Cell, 2015, 35, 143-144.	3.1	1
53	P114RhoGEF governs cell motility and lumen formation during tubulogenesis via ROCK-myosin II pathway. Journal of Cell Science, 2015, 128, 4317-27.	1.2	22
54	3D Culture Assays of Murine Mammary Branching Morphogenesis and Epithelial Invasion. Methods in Molecular Biology, 2015, 1189, 135-162.	0.4	113

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55	Developmental stratification of the mammary epithelium occurs through symmetry-breaking vertical divisions of apically positioned luminal cells. Development (Cambridge), 2014, 141, 1085-1094.	1.2	48
56	Twist1-induced dissemination preserves epithelial identity and requires E-cadherin. Journal of Cell Biology, 2014, 204, 839-856.	2.3	178
57	A temporal requirement for Hippo signaling in mammary gland differentiation, growth, and tumorigenesis. Genes and Development, 2014, 28, 432-437.	2.7	187
58	Cellular foundations of mammary tubulogenesis. Seminars in Cell and Developmental Biology, 2014, 31, 124-131.	2.3	49
59	Illuminating breast cancer invasion: diverse roles for cellâ€“cell interactions. Current Opinion in Cell Biology, 2014, 30, 99-111.	2.6	98
60	Systemic Delivery of Microencapsulated 3-Bromopyruvate for the Therapy of Pancreatic Cancer. Clinical Cancer Research, 2014, 20, 6406-6417.	3.2	47
61	A Molecular Switch for the Orientation of Epithelial Cell Polarization. Developmental Cell, 2014, 31, 171-187.	3.1	175
62	Three-dimensional organotypic culture: experimental models of mammalian biology and disease. Nature Reviews Molecular Cell Biology, 2014, 15, 647-664.	16.1	626
63	Sugar-coated cell signalling. Nature, 2014, 511, 298-299.	13.7	11
64	Invasive leader cells: metastatic oncotarget. Oncotarget, 2014, 5, 1390-1391.	0.8	12
65	The independent roles of mechanical, structural and adhesion characteristics of 3D hydrogels on the regulation of cancer invasion and dissemination. Biomaterials, 2013, 34, 9486-9495.	5.7	101
66	Collective Invasion in Breast Cancer Requires a Conserved Basal Epithelial Program. Cell, 2013, 155, 1639-1651.	13.5	652
67	Practical Considerations for Long-Term Time-Lapse Imaging of Epithelial Morphogenesis in Three-Dimensional Organotypic Cultures. Cold Spring Harbor Protocols, 2013, 2013, pdb.top072884.	0.2	25
68	Isolation of Mouse Mammary Organoids for Long-Term Time-Lapse Imaging. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot072892-pdb.prot072892.	0.2	29
69	Mammary ductal elongation and myoepithelial migration are regulated by the composition of the extracellular matrix. Journal of Microscopy, 2013, 251, 212-223.	0.8	53
70	Mammary collective cell migration involves transient loss of epithelial features and individual cell migration within the epithelium. Journal of Cell Science, 2012, 125, 2638-54.	1.2	132
71	ECM microenvironment regulates collective migration and local dissemination in normal and malignant mammary epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2595-604.	3.3	369
72	Imaging Tumor-Stroma Interactions during Chemotherapy Reveals Contributions of the Microenvironment to Resistance. Cancer Cell, 2012, 21, 488-503.	7.7	419

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73	Mammary collective cell migration involves transient loss of epithelial features and individual cell migration within the epithelium. Development (Cambridge), 2012, 139, e1608-e1608.	1.2	0
74	Dynamic, Long-Term In Vivo Imaging of Tumorâ€“Stroma Interactions in Mouse Models of Breast Cancer Using Spinning-Disk Confocal Microscopy. Cold Spring Harbor Protocols, 2011, 2011, pdb.top97.	0.2	43
75	Cellular strategies and molecular regulation of normal and neoplastic epithelial morphogenesis. FASEB Journal, 2011, 25, 66.4.	0.2	0
76	Cellular mechanisms regulating epithelial morphogenesis and cancer invasion. Current Opinion in Cell Biology, 2010, 22, 640-650.	2.6	60
77	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. Biomaterials, 2010, 31, 8088-8096.	5.7	83
78	Morphogenesis of epithelial tubes: Insights into tube formation, elongation, and elaboration. Developmental Biology, 2010, 341, 34-55.	0.9	294
79	GATA-3 Links Tumor Differentiation and Dissemination in a Luminal Breast Cancer Model. Cancer Cell, 2008, 13, 141-152.	7.7	314
80	Cell-Polarity Dynamics Controls the Mechanism of Lumen Formation in Epithelial Morphogenesis. Current Biology, 2008, 18, 507-513.	1.8	190
81	Vertebrate Gastrulation: Separation Is Sticky and Tense. Current Biology, 2008, 18, R615-R617.	1.8	4
82	Genetic mosaic analysis reveals FGF receptor 2 function in terminal end buds during mammary gland branching morphogenesis. Developmental Biology, 2008, 321, 77-87.	0.9	151
83	Visualizing stromal cell dynamics in different tumor microenvironments by spinning disk confocal microscopy. DMM Disease Models and Mechanisms, 2008, 1, 155-167.	1.2	174
84	Collective Epithelial Migration and Cell Rearrangements Drive Mammary Branching Morphogenesis. Developmental Cell, 2008, 14, 570-581.	3.1	541
85	The MAPKERK-1,2 pathway integrates distinct and antagonistic signals from TGFÎ± and FGF7 in morphogenesis of mouse mammary epithelium. Developmental Biology, 2007, 306, 193-207.	0.9	169
86	Matrix metalloproteinases and the regulation of tissue remodelling. Nature Reviews Molecular Cell Biology, 2007, 8, 221-233.	16.1	2,519
87	New tools for visualization and analysis of morphogenesis in spherical embryos. Developmental Dynamics, 2006, 235, spc1-spc1.	0.8	0
88	PDGFRÎ²+ perivascular progenitor cells in tumours regulate pericyte differentiation and vascular survival. Nature Cell Biology, 2005, 7, 870-879.	4.6	518
89	Mitofusins Mfn1 and Mfn2 coordinately regulate mitochondrial fusion and are essential for embryonic development. Journal of Cell Biology, 2003, 160, 189-200.	2.3	2,081
90	Calcium signaling during convergent extension in Xenopus. Current Biology, 2001, 11, 652-661.	1.8	141