

Thomas Cox

List of Publications by Citations

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Version: 2024-04-24

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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.

81
papers

6,973
citations

34
h-index

83
g-index

89
ext. papers

8,714
ext. citations

9.9
avg, IF

6.47
L-index

#	Paper	IF	Citations
81	Remodeling and homeostasis of the extracellular matrix: implications for fibrotic diseases and cancer. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 165-78	4.1	939
80	Hypoxia-induced lysyl oxidase is a critical mediator of bone marrow cell recruitment to form the premetastatic niche. <i>Cancer Cell</i> , 2009 , 15, 35-44	24.3	916
79	Pre-metastatic niches: organ-specific homes for metastases. <i>Nature Reviews Cancer</i> , 2017 , 17, 302-317	31.3	815
78	The hypoxic cancer secretome induces pre-metastatic bone lesions through lysyl oxidase. <i>Nature</i> , 2015 , 522, 106-110	50.4	378
77	The rationale for targeting the LOX family in cancer. <i>Nature Reviews Cancer</i> , 2012 , 12, 540-52	31.3	376
76	LOX-mediated collagen crosslinking is responsible for fibrosis-enhanced metastasis. <i>Cancer Research</i> , 2013 , 73, 1721-32	10.1	339
75	Lysyl oxidase enzymatic function increases stiffness to drive colorectal cancer progression through FAK. <i>Oncogene</i> , 2013 , 32, 1863-8	9.2	201
74	LOXL2-mediated matrix remodeling in metastasis and mammary gland involution. <i>Cancer Research</i> , 2011 , 71, 1561-72	10.1	186
73	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018 , 9, 2897	17.4	182
72	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	159
71	Lamin A/C is a risk biomarker in colorectal cancer. <i>PLoS ONE</i> , 2008 , 3, e2988	3.7	153
70	The role of lysyl oxidase in SRC-dependent proliferation and metastasis of colorectal cancer. <i>Journal of the National Cancer Institute</i> , 2011 , 103, 407-24	9.7	144
69	Kinome-wide decoding of network-attacking mutations rewiring cancer signaling. <i>Cell</i> , 2015 , 163, 202-1756.2	56.2	119
68	Reshaping the Tumor Stroma for Treatment of Pancreatic Cancer. <i>Gastroenterology</i> , 2018 , 154, 820-838	13.3	118
67	Lysyl Oxidase, a Targetable Secreted Molecule Involved in Cancer Metastasis. <i>Cancer Research</i> , 2016 , 76, 188-92	10.1	110
66	CAF Subpopulations: A New Reservoir of Stromal Targets in Pancreatic Cancer. <i>Trends in Cancer</i> , 2019 , 5, 724-741	12.5	109
65	ISDoT: in situ decellularization of tissues for high-resolution imaging and proteomic analysis of native extracellular matrix. <i>Nature Medicine</i> , 2017 , 23, 890-898	50.5	105

64	The matrix in cancer. <i>Nature Reviews Cancer</i> , 2021 , 21, 217-238	31.3	104
63	Molecular pathways: connecting fibrosis and solid tumor metastasis. <i>Clinical Cancer Research</i> , 2014 , 20, 3637-43	12.9	102
62	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment via perlecan. <i>Nature Communications</i> , 2019 , 10, 3637	17.4	100
61	Cancer cells' ability to mechanically adjust to extracellular matrix stiffness correlates with their invasive potential. <i>Molecular Biology of the Cell</i> , 2018 , 29, 2378-2385	3.5	93
60	Lysyl oxidase plays a critical role in endothelial cell stimulation to drive tumor angiogenesis. <i>Cancer Research</i> , 2013 , 73, 583-94	10.1	91
59	Hypoxia and loss of PHD2 inactivate stromal fibroblasts to decrease tumour stiffness and metastasis. <i>EMBO Reports</i> , 2015 , 16, 1394-408	6.5	83
58	Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010 , 29, 254-60.4	6.4	82
57	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018 , 67, 2142-2155	19.2	71
56	The extracellular matrix as a key regulator of intracellular signalling networks. <i>British Journal of Pharmacology</i> , 2019 , 176, 82-92	8.6	67
55	Stromal cell diversity associated with immune evasion in human triple-negative breast cancer. <i>EMBO Journal</i> , 2020 , 39, e104063	13	66
54	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017 , 8, 26066-26078	9.78	65
53	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018 , 7, 1169	3.6	55
52	Charting the unexplored extracellular matrix in cancer. <i>International Journal of Experimental Pathology</i> , 2018 , 99, 58-76	2.8	44
51	Ion channels in boar sperm plasma membranes: characterization of a cation selective channel. <i>Molecular Reproduction and Development</i> , 1991 , 30, 135-47	2.6	39
50	Proteomic Profiling of Human Prostate Cancer-associated Fibroblasts (CAF) Reveals LOXL2-dependent Regulation of the Tumor Microenvironment. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1410-1427	7.6	38
49	AGE-modified basement membrane cooperates with Endo180 to promote epithelial cell invasiveness and decrease prostate cancer survival. <i>Journal of Pathology</i> , 2015 , 235, 581-92	9.4	35
48	Cancer Metastasis: The Role of the Extracellular Matrix and the Heparan Sulfate Proteoglycan Perlecan. <i>Frontiers in Oncology</i> , 2019 , 9, 1482	5.3	34
47	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018 , 7,	3.6	31

46	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. <i>Trends in Cancer</i> , 2016 , 2, 279-282	12.5	29
45	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018 , 7,	8.9	28
44	Lysyl oxidase in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, G659-66	5.1	27
43	LOXL1 Is Regulated by Integrin $\alpha 1$ and Promotes Non-Small Cell Lung Cancer Tumorigenicity. <i>Cancers</i> , 2019 , 11,	6.6	23
42	The Role of the ECM in Lung Cancer Dormancy and Outgrowth. <i>Frontiers in Oncology</i> , 2020 , 10, 1766	5.3	21
41	Targeting Lysyl Oxidase Family Mediated Matrix Cross-Linking as an Anti-Stromal Therapy in Solid Tumours. <i>Cancers</i> , 2021 , 13,	6.6	21
40	LOXL2 induces aberrant acinar morphogenesis via ErbB2 signaling. <i>Breast Cancer Research</i> , 2013 , 15, R67	8.3	19
39	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. <i>Breast Cancer Research</i> , 2019 , 21, 43	8.3	18
38	Correlation of Ultrasound Shear Wave Elastography with Pathological Analysis in a Xenographic Tumour Model. <i>Scientific Reports</i> , 2017 , 7, 165	4.9	17
37	The role of lysyl oxidase, the extracellular matrix and the pre-metastatic niche in bone metastasis. <i>Journal of Bone Oncology</i> , 2016 , 5, 100-103	4.5	17
36	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. <i>Scientific Reports</i> , 2017 , 7, 16887	4.9	16
35	Targeting the lysyl oxidases in tumour desmoplasia. <i>Biochemical Society Transactions</i> , 2019 , 47, 1661-1673	8.1	16
34	Nuclear expression of lysyl oxidase enzyme is an independent prognostic factor in rectal cancer patients. <i>Oncotarget</i> , 2017 , 8, 60015-60024	3.3	15
33	Dynamic Rearrangement of Cell States Detected by Systematic Screening of Sequential Anticancer Treatments. <i>Cell Reports</i> , 2017 , 20, 2784-2791	10.6	15
32	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021 , 81, 3461-3479	10.1	15
31	The interplay between extracellular matrix remodelling and kinase signalling in cancer progression and metastasis. <i>Cell Adhesion and Migration</i> , 2018 , 12, 529-537	3.2	14
30	Tumor endothelial marker 8 promotes cancer progression and metastasis. <i>Oncotarget</i> , 2018 , 9, 30173-30188	9.5	10
29	Relative Stiffness Measurements of Tumour Tissues by Shear Rheology. <i>Bio-protocol</i> , 2017 , 7, e2265	0.9	10

28	The pre-metastatic niche: is metastasis random?. <i>BoneKEy Reports</i> , 2012 , 1, 80		9
27	Towards engineering heart tissues from bioprinted cardiac spheroids. <i>Biofabrication</i> , 2021 , 13,	10.5	9
26	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. <i>Calcified Tissue International</i> , 2018 , 102, 163-173	3.9	8
25	The importance of developing therapies targeting the biological spectrum of metastatic disease. <i>Clinical and Experimental Metastasis</i> , 2019 , 36, 305-309	4.7	7
24	Relative Stiffness Measurements of Cell-embedded Hydrogels by Shear Rheology. <i>Bio-protocol</i> , 2017 , 7, e2101	0.9	7
23	Dataset for the proteomic inventory and quantitative analysis of the breast cancer hypoxic secretome associated with osteotropism. <i>Data in Brief</i> , 2015 , 5, 621-5	1.2	5
22	Automated annotation and visualisation of high-resolution spatial proteomic mass spectrometry imaging data using HIT-MAP. <i>Nature Communications</i> , 2021 , 12, 3241	17.4	5
21	The Mini-Organo: A rapid high-throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020 , 3, e1209	1.5	5
20	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021 , 7, eabh0363	14.3	5
19	Multi-Channel Optical Coherence Elastography Using Relative and Absolute Shear-Wave Time of Flight. <i>PLoS ONE</i> , 2017 , 12, e0169664	3.7	4
18	Shedding new light on RhoA signalling as a drug target using a novel RhoA-FRET biosensor mouse. <i>Small GTPases</i> , 2020 , 11, 240-247	2.7	4
17	Fibrosis, cancer and the premetastatic niche. <i>Breast Cancer Management</i> , 2014 , 3, 453-455	0.7	3
16	Network biology and the 3-Dimensional tumor microenvironment: personalizing medicine for the future 2012 , 1,		3
15	Plasma polymerized nanoparticles effectively deliver dual siRNA and drug therapy in vivo. <i>Scientific Reports</i> , 2020 , 10, 12836	4.9	3
14	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018 , 18, 1700238	1.8	3
13	Single-cell analysis reveals diverse stromal subsets associated with immune evasion in triple-negative breast cancer		2
12	Single cell transcriptomics reveals involution mimicry during the specification of the basal breast cancer subtype		2
11	Editor's Note: LOX-Mediated Collagen Cross-linking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2019 , 79, 5124	10.1	2

10	Inhibitor of Differentiation 4 (ID4) represses mammary myoepithelial differentiation via inhibition of HEB. <i>IScience</i> , 2021 , 24, 102072	6.1	2
9	Pirfenidone Reduces Epithelial-Mesenchymal Transition and Spheroid Formation in Breast Carcinoma through Targeting Cancer-Associated Fibroblasts (CAFs). <i>Cancers</i> , 2021 , 13,	6.6	1
8	Cancer-associated fibroblasts in pancreatic ductal adenocarcinoma determine response to SLC7A11 inhibition		1
7	Remodelling of the Extracellular Matrix: Implications for Cancer		1
6	In Vitro 3D Models of Tunable Stiffness. <i>Methods in Molecular Biology</i> , 2021 , 2294, 27-42	1.4	1
5	Micromechanical characterisation of 3D bioprinted neural cell models using Brillouin microspectroscopy. <i>Bioprinting</i> , 2022 , 25, e00179	7	0
4	Regulation of Tumor Progression and Metastasis by Bone Marrow-Derived Microenvironments		
3	Extracellular Matrix (ECM)		
2	ALTEN: A High-Fidelity Primary Tissue-Engineering Platform to Assess Cellular Responses Ex Vivo. <i>Advanced Science</i> , 2103332	13.6	
1	Regulation of Tumor Progression and Metastasis by Bone Marrow-Derived Microenvironments		