

Thomas Cox

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

10,112
citations

76326

40
h-index

71685

76
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89
all docs

89
docs citations

89
times ranked

15082
citing authors

#	ARTICLE	IF	CITATIONS
1	Micromechanical characterisation of 3D bioprinted neural cell models using Brillouin microspectroscopy. <i>Bioprinting</i> , 2022, 25, e00179.	5.8	9
2	In Vitro 3D Models of Tunable Stiffness. <i>Methods in Molecular Biology</i> , 2021, 2294, 27-42.	0.9	2
3	Targeting Lysyl Oxidase Family Mediated Matrix Cross-Linking as an Anti-Stromal Therapy in Solid Tumours. <i>Cancers</i> , 2021, 13, 491.	3.7	48
4	Inhibitor of Differentiation 4 (ID4) represses mammary myoepithelial differentiation via inhibition of HEB. <i>IScience</i> , 2021, 24, 102072.	4.1	6
5	The matrix in cancer. <i>Nature Reviews Cancer</i> , 2021, 21, 217-238.	28.4	441
6	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021, 81, 3461-3479.	0.9	62
7	Automated annotation and visualisation of high-resolution spatial proteomic mass spectrometry imaging data using HIT-MAP. <i>Nature Communications</i> , 2021, 12, 3241.	12.8	37
8	Towards engineering heart tissues from bioprinted cardiac spheroids. <i>Biofabrication</i> , 2021, 13, 045009.	7.1	27
9	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021, 7, eabh0363.	10.3	23
10	Pirfenidone Reduces Epithelialâ€Mesenchymal Transition and Spheroid Formation in Breast Carcinoma through Targeting Cancer-Associated Fibroblasts (CAFs). <i>Cancers</i> , 2021, 13, 5118.	3.7	12
11	Extracellular Matrix (ECM). , 2021, , 643-650.		0
12	Shedding new light on RhoA signalling as a drug target <i>in vivo</i> using a novel RhoA-FRET biosensor mouse. <i>Small GTPases</i> , 2020, 11, 240-247.	1.6	5
13	The Miniâ€Organo: A rapid highâ€throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020, 3, e1209.	1.4	8
14	Stromal cell diversity associated with immune evasion in human tripleâ€negative breast cancer. <i>EMBO Journal</i> , 2020, 39, e104063.	7.8	224
15	Plasma polymerized nanoparticles effectively deliver dual siRNA and drug therapy in vivo. <i>Scientific Reports</i> , 2020, 10, 12836.	3.3	18
16	The Role of the ECM in Lung Cancer Dormancy and Outgrowth. <i>Frontiers in Oncology</i> , 2020, 10, 1766.	2.8	48
17	Extracellular Matrix (ECM). , 2020, , 1-8.		0
18	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.	12.8	170

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19	CAF Subpopulations: A New Reservoir of Stromal Targets in Pancreatic Cancer. <i>Trends in Cancer</i> , 2019, 5, 724-741.	7.4	214
20	LOXL1 Is Regulated by Integrin $\alpha 11$ and Promotes Non-Small Cell Lung Cancer Tumorigenicity. <i>Cancers</i> , 2019, 11, 705.	3.7	49
21	The importance of developing therapies targeting the biological spectrum of metastatic disease. <i>Clinical and Experimental Metastasis</i> , 2019, 36, 305-309.	3.3	9
22	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.	3.8	60
23	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. <i>Breast Cancer Research</i> , 2019, 21, 43.	5.0	33
24	Editor's Note: LOX-Mediated Collagen Cross-linking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2019, 79, 5124-5124.	0.9	2
25	The extracellular matrix as a key regulator of intracellular signalling networks. <i>British Journal of Pharmacology</i> , 2019, 176, 82-92.	5.4	135
26	Cancer Metastasis: The Role of the Extracellular Matrix and the Heparan Sulfate Proteoglycan Perlecan. <i>Frontiers in Oncology</i> , 2019, 9, 1482.	2.8	99
27	Targeting the lysyl oxidases in tumour desmoplasia. <i>Biochemical Society Transactions</i> , 2019, 47, 1661-1678.	3.4	25
28	Charting the unexplored extracellular matrix in cancer. <i>International Journal of Experimental Pathology</i> , 2018, 99, 58-76.	1.3	71
29	Reshaping the Tumor Stroma for Treatment of Pancreatic Cancer. <i>Gastroenterology</i> , 2018, 154, 820-838.	1.3	173
30	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018, 67, 2142-2155.	12.1	100
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.	2.7	22
32	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018, 18, 1700238.	2.2	3
33	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. <i>Calcified Tissue International</i> , 2018, 102, 163-173.	3.1	10
34	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018, 9, 2897.	12.8	293
35	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018, 7, .	6.0	34
36	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.	2.1	182

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37	Recent advances in understanding the complexities of metastasis. F1000Research, 2018, 7, 1169.	1.6	45
38	Recent advances in understanding the complexities of metastasis. F1000Research, 2018, 7, 1169.	1.6	75
39	Tumor endothelial marker 8 promotes cancer progression and metastasis. Oncotarget, 2018, 9, 30173-30188.	1.8	20
40	ISDoT: in situ decellularization of tissues for high-resolution imaging and proteomic analysis of native extracellular matrix. Nature Medicine, 2017, 23, 890-898.	30.7	144
41	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. Science Translational Medicine, 2017, 9, .	12.4	208
42	Correlation of Ultrasound Shear Wave Elastography with Pathological Analysis in a Xenographic Tumour Model. Scientific Reports, 2017, 7, 165.	3.3	21
43	Pre-metastatic niches: organ-specific homes for metastases. Nature Reviews Cancer, 2017, 17, 302-317.	28.4	1,272
44	Dynamic Rearrangement of Cell States Detected by Systematic Screening of Sequential Anticancer Treatments. Cell Reports, 2017, 20, 2784-2791.	6.4	20
45	Regulation of Tumor Progression and Metastasis by Bone Marrow-Derived Microenvironments. , 2017, , 303-328.		0
46	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. Scientific Reports, 2017, 7, 16887.	3.3	22
47	Nuclear expression of lysyl oxidase enzyme is an independent prognostic factor in rectal cancer patients. Oncotarget, 2017, 8, 60015-60024.	1.8	16
48	Multi-Channel Optical Coherence Elastography Using Relative and Absolute Shear-Wave Time of Flight. PLoS ONE, 2017, 12, e0169664.	2.5	4
49	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. Oncotarget, 2017, 8, 26066-26078.	1.8	81
50	Transient targeting of the pancreatic cancer stroma as a "fine-tuned" anti-tumor and anti-metastatic therapy. Oncotarget, 2017, 8, 84635-84636.	1.8	2
51	Relative Stiffness Measurements of Cell-embedded Hydrogels by Shear Rheology in vitro. Bio-protocol, 2017, 7, e2101.	0.4	11
52	Relative Stiffness Measurements of Tumour Tissues by Shear Rheology. Bio-protocol, 2017, 7, e2265.	0.4	18
53	The role of lysyl oxidase, the extracellular matrix and the pre-metastatic niche in bone metastasis. Journal of Bone Oncology, 2016, 5, 100-103.	2.4	21
54	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. Trends in Cancer, 2016, 2, 279-282.	7.4	43

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55	Lysyl Oxidase, a Targetable Secreted Molecule Involved in Cancer Metastasis. <i>Cancer Research</i> , 2016, 76, 188-192.	0.9	133
56	Hypoxia and loss of <sc>PHD</sc> 2 inactivate stromal fibroblasts to decrease tumour stiffness and metastasis. <i>EMBO Reports</i> , 2015, 16, 1394-1408.	4.5	120
57	Dataset for the proteomic inventory and quantitative analysis of the breast cancer hypoxic secretome associated with osteotropism. <i>Data in Brief</i> , 2015, 5, 621-625.	1.0	7
58	Kinome-wide Decoding of Network-Attacking Mutations Rewiring Cancer Signaling. <i>Cell</i> , 2015, 163, 202-217.	28.9	168
59	<sc>AGE</sc> -modified basement membrane cooperates with Endo180 to promote epithelial cell invasiveness and decrease prostate cancer survival. <i>Journal of Pathology</i> , 2015, 235, 581-592.	4.5	43
60	Molecular Pathways: Connecting Fibrosis and Solid Tumor Metastasis. <i>Clinical Cancer Research</i> , 2014, 20, 3637-3643.	7.0	136
61	Fibrosis, cancer and the premetastatic niche. <i>Breast Cancer Management</i> , 2014, 3, 453-455.	0.2	4
62	Lysyl oxidase enzymatic function increases stiffness to drive colorectal cancer progression through FAK. <i>Oncogene</i> , 2013, 32, 1863-1868.	5.9	256
63	LOXL2 induces aberrant acinar morphogenesis via ErbB2 signaling. <i>Breast Cancer Research</i> , 2013, 15, R67.	5.0	26
64	Lysyl oxidase in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G659-G666.	3.4	31
65	LOX-Mediated Collagen Crosslinking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2013, 73, 1721-1732.	0.9	436
66	Lysyl Oxidase Plays a Critical Role in Endothelial Cell Stimulation to Drive Tumor Angiogenesis. <i>Cancer Research</i> , 2013, 73, 583-594.	0.9	114
67	Remodelling of the Extracellular Matrix: Implications for Cancer. , 2013, , 65-90.		2
68	The Importance of LOX Family Members on Modulating Cell-ECM Interactions in Carcinogenesis. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2013, S13, .	0.3	2
69	Network biology and the 3-Dimensional tumor microenvironment: personalizing medicine for the future. <i>Tumor Microenvironment and Therapy</i> , 2012, 1, .	1.2	5
70	The pre-metastatic niche: is metastasis random?. <i>BoneKEy Reports</i> , 2012, 1, 80.	2.7	17
71	The rationale for targeting the LOX family in cancer. <i>Nature Reviews Cancer</i> , 2012, 12, 540-552.	28.4	464
72	Remodeling and homeostasis of the extracellular matrix: implications for fibrotic diseases and cancer. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 165-178.	2.4	1,248

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73	LOXL2-Mediated Matrix Remodeling in Metastasis and Mammary Gland Involution. <i>Cancer Research</i> , 2011, 71, 1561-1572.	0.9	221
74	The Role of Lysyl Oxidase in SRC-Dependent Proliferation and Metastasis of Colorectal Cancer. <i>Journal of the National Cancer Institute</i> , 2011, 103, 407-424.	6.3	169
75	Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010, 29, 254-260.	3.6	98
76	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.	16.8	1,056
77	Lamin A/C Is a Risk Biomarker in Colorectal Cancer. <i>PLoS ONE</i> , 2008, 3, e2988.	2.5	186
78	Ion channels in boar sperm plasma membranes: Characterization of a cation selective channel. <i>Molecular Reproduction and Development</i> , 1991, 30, 135-147.	2.0	42
79	ALTEN: A High-Fidelity Primary Tissue-Engineering Platform to Assess Cellular Responses Ex Vivo. <i>Advanced Science</i> , 0, , 2103332.	11.2	3