

Thomas Cox

List of Publications by Year in descending order

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79
papers

10,112
citations

76196

40
h-index

71532

76
g-index

89
all docs

89
docs citations

89
times ranked

15082
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-metastatic niches: organ-specific homes for metastases. <i>Nature Reviews Cancer</i> , 2017, 17, 302-317.	12.8	1,272
2	Remodeling and homeostasis of the extracellular matrix: implications for fibrotic diseases and cancer. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 165-178.	1.2	1,248
3	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.	7.7	1,056
4	The rationale for targeting the LOX family in cancer. <i>Nature Reviews Cancer</i> , 2012, 12, 540-552.	12.8	464
5	The matrix in cancer. <i>Nature Reviews Cancer</i> , 2021, 21, 217-238.	12.8	441
6	LOX-Mediated Collagen Crosslinking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2013, 73, 1721-1732.	0.4	436
7	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018, 9, 2897.	5.8	293
8	Lysyl oxidase enzymatic function increases stiffness to drive colorectal cancer progression through FAK. <i>Oncogene</i> , 2013, 32, 1863-1868.	2.6	256
9	Stromal cell diversity associated with immune evasion in human triple-negative breast cancer. <i>EMBO Journal</i> , 2020, 39, e104063.	3.5	224
10	LOXL2-Mediated Matrix Remodeling in Metastasis and Mammary Gland Involution. <i>Cancer Research</i> , 2011, 71, 1561-1572.	0.4	221
11	CAF Subpopulations: A New Reservoir of Stromal Targets in Pancreatic Cancer. <i>Trends in Cancer</i> , 2019, 5, 724-741.	3.8	214
12	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	208
13	Lamin A/C Is a Risk Biomarker in Colorectal Cancer. <i>PLoS ONE</i> , 2008, 3, e2988.	1.1	186
14	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.	0.9	182
15	Reshaping the Tumor Stroma for Treatment of Pancreatic Cancer. <i>Gastroenterology</i> , 2018, 154, 820-838.	0.6	173
16	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.	5.8	170
17	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.	3.0	169
18	Kinome-wide Decoding of Network-Attacking Mutations Rewiring Cancer Signaling. <i>Cell</i> , 2015, 163, 202-217.	13.5	168

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19	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.	15.2	144
20	Molecular Pathways: Connecting Fibrosis and Solid Tumor Metastasis. <i>Clinical Cancer Research</i> , 2014, 20, 3637-3643.	3.2	136
21	The extracellular matrix as a key regulator of intracellular signalling networks. <i>British Journal of Pharmacology</i> , 2019, 176, 82-92.	2.7	135
22	Lysyl Oxidase, a Targetable Secreted Molecule Involved in Cancer Metastasis. <i>Cancer Research</i> , 2016, 76, 188-192.	0.4	133
23	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.	2.0	120
24	Lysyl Oxidase Plays a Critical Role in Endothelial Cell Stimulation to Drive Tumor Angiogenesis. <i>Cancer Research</i> , 2013, 73, 583-594.	0.4	114
25	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018, 67, 2142-2155.	6.1	100
26	Cancer Metastasis: The Role of the Extracellular Matrix and the Heparan Sulfate Proteoglycan Perlecan. <i>Frontiers in Oncology</i> , 2019, 9, 1482.	1.3	99
27	Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010, 29, 254-260.	1.5	98
28	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017, 8, 26066-26078.	0.8	81
29	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	75
30	Charting the unexplored extracellular matrix in cancer. <i>International Journal of Experimental Pathology</i> , 2018, 99, 58-76.	0.6	71
31	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021, 81, 3461-3479.	0.4	62
32	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.	2.5	60
33	LOXL1 Is Regulated by Integrin $\alpha 11$ and Promotes Non-Small Cell Lung Cancer Tumorigenicity. <i>Cancers</i> , 2019, 11, 705.	1.7	49
34	The Role of the ECM in Lung Cancer Dormancy and Outgrowth. <i>Frontiers in Oncology</i> , 2020, 10, 1766.	1.3	48
35	Targeting Lysyl Oxidase Family Mediated Matrix Cross-Linking as an Anti-Stromal Therapy in Solid Tumours. <i>Cancers</i> , 2021, 13, 491.	1.7	48
36	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	45

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37	<scp>AGE</scp> -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.	2.1	43
38	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. <i>Trends in Cancer</i> , 2016, 2, 279-282.	3.8	43
39	Ion channels in boar sperm plasma membranes: Characterization of a cation selective channel. <i>Molecular Reproduction and Development</i> , 1991, 30, 135-147.	1.0	42
40	Automated annotation and visualisation of high-resolution spatial proteomic mass spectrometry imaging data using HIT-MAP. <i>Nature Communications</i> , 2021, 12, 3241.	5.8	37
41	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018, 7, .	2.8	34
42	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. <i>Breast Cancer Research</i> , 2019, 21, 43.	2.2	33
43	Lysyl oxidase in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G659-G666.	1.6	31
44	Towards engineering heart tissues from bioprinted cardiac spheroids. <i>Biofabrication</i> , 2021, 13, 045009.	3.7	27
45	LOXL2 induces aberrant acinar morphogenesis via ErbB2 signaling. <i>Breast Cancer Research</i> , 2013, 15, R67.	2.2	26
46	Targeting the lysyl oxidases in tumour desmoplasia. <i>Biochemical Society Transactions</i> , 2019, 47, 1661-1678.	1.6	25
47	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021, 7, eabh0363.	4.7	23
48	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. <i>Scientific Reports</i> , 2017, 7, 16887.	1.6	22
49	The interplay between extracellular matrix remodelling and kinase signalling in cancer progression and metastasis. <i>Cell Adhesion and Migration</i> , 2018, 12, 529-537.	1.1	22
50	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.	1.0	21
51	Correlation of Ultrasound Shear Wave Elastography with Pathological Analysis in a Xenographic Tumour Model. <i>Scientific Reports</i> , 2017, 7, 165.	1.6	21
52	Dynamic Rearrangement of Cell States Detected by Systematic Screening of Sequential Anticancer Treatments. <i>Cell Reports</i> , 2017, 20, 2784-2791.	2.9	20
53	Tumor endothelial marker 8 promotes cancer progression and metastasis. <i>Oncotarget</i> , 2018, 9, 30173-30188.	0.8	20
54	Plasma polymerized nanoparticles effectively deliver dual siRNA and drug therapy in vivo. <i>Scientific Reports</i> , 2020, 10, 12836.	1.6	18

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55	Relative Stiffness Measurements of Tumour Tissues by Shear Rheology. <i>Bio-protocol</i> , 2017, 7, e2265.	0.2	18
56	The pre-metastatic niche: is metastasis random?. <i>BoneKEy Reports</i> , 2012, 1, 80.	2.7	17
57	Nuclear expression of lysyl oxidase enzyme is an independent prognostic factor in rectal cancer patients. <i>Oncotarget</i> , 2017, 8, 60015-60024.	0.8	16
58	Pirfenidone Reduces Epithelialâ€“Mesenchymal Transition and Spheroid Formation in Breast Carcinoma through Targeting Cancer-Associated Fibroblasts (CAFs). <i>Cancers</i> , 2021, 13, 5118.	1.7	12
59	Relative Stiffness Measurements of Cell-embedded Hydrogels by Shear Rheology in vitro. <i>Bio-protocol</i> , 2017, 7, e2101.	0.2	11
60	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. <i>Calcified Tissue International</i> , 2018, 102, 163-173.	1.5	10
61	The importance of developing therapies targeting the biological spectrum of metastatic disease. <i>Clinical and Experimental Metastasis</i> , 2019, 36, 305-309.	1.7	9
62	Micromechanical characterisation of 3D bioprinted neural cell models using Brillouin microspectroscopy. <i>Bioprinting</i> , 2022, 25, e00179.	2.9	9
63	The Miniâ€“Organo: A rapid highâ€“throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020, 3, e1209.	0.6	8
64	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.	0.5	7
65	Inhibitor of Differentiation 4 (ID4) represses mammary myoepithelial differentiation via inhibition of HEB. <i>IScience</i> , 2021, 24, 102072.	1.9	6
66	Network biology and the 3-Dimensional tumor microenvironment: personalizing medicine for the future. <i>Tumor Microenvironment and Therapy</i> , 2012, 1, .	1.2	5
67	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.	0.7	5
68	Fibrosis, cancer and the premetastatic niche. <i>Breast Cancer Management</i> , 2014, 3, 453-455.	0.2	4
69	Multi-Channel Optical Coherence Elastography Using Relative and Absolute Shear-Wave Time of Flight. <i>PLoS ONE</i> , 2017, 12, e0169664.	1.1	4
70	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018, 18, 1700238.	1.3	3
71	ALTEN: A Highâ€“Fidelity Primary Tissueâ€“Engineering Platform to Assess Cellular Responses Ex Vivo. <i>Advanced Science</i> , 0, , 2103332.	5.6	3
72	Editor's Note: LOX-Mediated Collagen Cross-linking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2019, 79, 5124-5124.	0.4	2

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73	In Vitro 3D Models of Tunable Stiffness. <i>Methods in Molecular Biology</i> , 2021, 2294, 27-42.	0.4	2
74	Remodelling of the Extracellular Matrix: Implications for Cancer. , 2013, , 65-90.		2
75	Transient targeting of the pancreatic cancer stroma as a "fine-tuned" anti-tumor and anti-metastatic therapy. <i>Oncotarget</i> , 2017, 8, 84635-84636.	0.8	2
76	The Importance of LOX Family Members on Modulating Cell-ECM Interactions in Carcinogenesis. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2013, S13, .	0.3	2
77	Regulation of Tumor Progression and Metastasis by Bone Marrow-Derived Microenvironments. , 2017, , 303-328.		0
78	Extracellular Matrix (ECM). , 2020, , 1-8.		0
79	Extracellular Matrix (ECM). , 2021, , 643-650.		0