Janine T Erler

List of Publications by Citations

47 papers	9,662 citations	28 h-index	50 g-index
50 ext. papers	11,225 ext. citations	15 avg, IF	6.17 L-index

#	Paper	IF	Citations
47	Matrix crosslinking forces tumor progression by enhancing integrin signaling. *Cell*, **2009**, 139, 891-906	56.2	2673
46	Lysyl oxidase is essential for hypoxia-induced metastasis. *Nature*, **2006**, 440, 1222-6	50.4	1127
45	Remodeling and homeostasis of the extracellular matrix: implications for fibrotic diseases and cancer. *DMM Disease Models and Mechanisms*, **2011**, 4, 165-78	4.1	939
44	Hypoxia-induced lysyl oxidase is a critical mediator of bone marrow cell recruitment to form the premetastatic niche. *Cancer Cell*, **2009**, 15, 35-44	24.3	916
43	Pre-metastatic niches: organ-specific homes for metastases. *Nature Reviews Cancer*, **2017**, 17, 302-317	31.3	815
42	The hypoxic cancer secretome induces pre-metastatic bone lesions through lysyl oxidase. *Nature*, **2015**, 522, 106-110	50.4	378
41	The rationale for targeting the LOX family in cancer. *Nature Reviews Cancer*, **2012**, 12, 540-52	31.3	376
40	LOX-mediated collagen crosslinking is responsible for fibrosis-enhanced metastasis. *Cancer Research*, **2013**, 73, 1721-32	10.1	339
39	Three-dimensional context regulation of metastasis. *Clinical and Experimental Metastasis*, **2009**, 26, 35-49	4.7	245
38	LOXL2-mediated matrix remodeling in metastasis and mammary gland involution. *Cancer Research*, **2011**, 71, 1561-72	10.1	186
37	Targeting the LOX/hypoxia axis reverses many of the features that make pancreatic cancer deadly: inhibition of LOX abrogates metastasis and enhances drug efficacy. *EMBO Molecular Medicine*, **2015**, 7, 1063-76	12	172
36	Targeting ECM Disrupts Cancer Progression. *Frontiers in Oncology*, **2015**, 5, 224	5.3	166
35	Lysyl oxidase mediates hypoxic control of metastasis. *Cancer Research*, **2006**, 66, 10238-41	10.1	163
34	The role of lysyl oxidase in SRC-dependent proliferation and metastasis of colorectal cancer. *Journal of the National Cancer Institute*, **2011**, 103, 407-24	9.7	144
33	ISDoT: in situ decellularization of tissues for high-resolution imaging and proteomic analysis of native extracellular matrix. *Nature Medicine*, **2017**, 23, 890-898	50.5	105
32	Molecular pathways: connecting fibrosis and solid tumor metastasis. *Clinical Cancer Research*, **2014**, 20, 3637-43	12.9	102
31	Cancer cellsXability to mechanically adjust to extracellular matrix stiffness correlates with their invasive potential. *Molecular Biology of the Cell*, **2018**, 29, 2378-2385	3.5	93

30	Hypoxia and loss of PHD2 inactivate stromal fibroblasts to decrease tumour stiffness and metastasis. *EMBO Reports*, **2015**, 16, 1394-408	6.5	83
29	Tumor-secreted LOXL2 activates fibroblasts through FAK signaling. *Molecular Cancer Research*, **2013**, 11, 1425-36	6.6	68
28	Validation of lysyl oxidase as a prognostic marker for metastasis and survival in head and neck squamous cell carcinoma: Radiation Therapy Oncology Group trial 90-03. *Journal of Clinical Oncology*, **2009**, 27, 4281-6	2.2	67
27	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. *Oncotarget*, **2017**, 8, 26066-26078	5.5	65
26	Structural ECM components in the premetastatic and metastatic niche. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C955-67	5.4	63
25	Network-based drugs and biomarkers. *Journal of Pathology*, **2010**, 220, 290-6	9.4	56
24	Network medicine strikes a blow against breast cancer. *Cell*, **2012**, 149, 731-3	56.2	41
23	Hypoxic Signalling in Tumour Stroma. *Frontiers in Oncology*, **2018**, 8, 189	5.3	32
22	Decellularization and antibody staining of mouse tissues to map native extracellular matrix structures in 3D. *Nature Protocols*, **2019**, 14, 3395-3425	18.8	30
21	Notch-inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. *EMBO Reports*, **2018**, 19,	6.5	30
20	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. *Trends in Cancer*, **2016**, 2, 279-282	12.5	29
19	Lysyl oxidase in colorectal cancer. *American Journal of Physiology - Renal Physiology*, **2013**, 305, G659-66	5.1	27
18	Basement membrane stiffness determines metastases formation. *Nature Materials*, **2021**, 20, 892-903	27	27
17	Interplay Between LOX Enzymes and Integrins in the Tumor Microenvironment. *Cancers*, **2019**, 11,	6.6	25
16	Mesenchymal stromal cell activation by breast cancer secretomes in bioengineered 3D microenvironments. *Life Science Alliance*, **2019**, 2,	5.8	20
15	Suppression of tumor-associated neutrophils by lorlatinib attenuates pancreatic cancer growth and improves treatment with immune checkpoint blockade. *Nature Communications*, **2021**, 12, 3414	17.4	13
14	Framing cancer progression: influence of the organ- and tumour-specific matrisome. *FEBS Journal*, **2020**, 287, 1454-1477	5.7	11
13	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. *Calcified Tissue International*, **2018**, 102, 163-173	3.9	8

12	Brain cancer spreads. *Science Translational Medicine*, **2014**, 6, 247fs28	17.5	7
11	Quantification of Lung Metastases from In Vivo Mouse Models. *Advances in Experimental Medicine and Biology*, **2016**, 899, 245-51	3.6	4
10	Deciphering the temporal heterogeneity of cancer-associated fibroblast subpopulations in breast cancer. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 175	12.8	4
9	Retraction Note: Lysyl oxidase is essential for hypoxia-induced metastasis. *Nature*, **2020**, 579, 456	50.4	3
8	Proteomic Characterization of Caenorhabditis elegans Larval Development. *Proteomics*, **2018**, 18, 1700238	4.8	3
7	Modeling Metastatic Colonization in a Decellularized Organ Scaffold-Based Perfusion Bioreactor. *Advanced Healthcare Materials*, **2021**, 11, e2100684	10.1	2
6	Filopodia rotate and coil by actively generating twist in their actin shaft.. *Nature Communications*, **2022**, 13, 1636	17.4	2
5	Decellularization of the Murine Cardiopulmonary Complex. *Journal of Visualized Experiments*, **2021**,	1.6	1
4	Organ-Specific, Fibroblast-Derived Matrix as a Tool for Studying Breast Cancer Metastasis. *Cancers*, **2021**, 13,	6.6	1
3	Fibrotic activity quantified in serum by measurements of type III collagen pro-peptides can be used for prognosis across different solid tumor types.. *Cellular and Molecular Life Sciences*, **2022**, 79, 204	10.3	0
2	Premetastatic Niches **2010**, 161-182		
1	Matritecture: Mapping the extracellular matrix architecture during health and disease.. *Matrix Biology Plus*, **2022**, 14, 100102	5.1	