

# Janine T Erler

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

12,405  
citations

136740

32  
h-index

214527

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

16754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Metastatic Colonization in a Decellularized Organ Scaffold-Based Perfusion Bioreactor. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100684.	3.9	7
2	Matritecture: Mapping the extracellular matrix architecture during health and disease. <i>Matrix Biology Plus</i> , 2022, 14, 100102.	1.9	6
3	Filopodia rotate and coil by actively generating twist in their actin shaft. <i>Nature Communications</i> , 2022, 13, 1636.	5.8	21
4	Fibrotic activity quantified in serum by measurements of type III collagen pro-peptides can be used for prognosis across different solid tumor types. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 204.	2.4	12
5	Basement membrane stiffness determines metastases formation. <i>Nature Materials</i> , 2021, 20, 892-903.	13.3	94
6	Deciphering the temporal heterogeneity of cancer-associated fibroblast subpopulations in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 175.	3.5	24
7	Decellularization of the Murine Cardiopulmonary Complex. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
8	Suppression of tumor-associated neutrophils by lorlatinib attenuates pancreatic cancer growth and improves treatment with immune checkpoint blockade. <i>Nature Communications</i> , 2021, 12, 3414.	5.8	65
9	Organ-Specific, Fibroblast-Derived Matrix as a Tool for Studying Breast Cancer Metastasis. <i>Cancers</i> , 2021, 13, 3331.	1.7	8
10	Framing cancer progression: influence of the organ- and tumour-specific matrisome. <i>FEBS Journal</i> , 2020, 287, 1454-1477.	2.2	27
11	Decellularization and antibody staining of mouse tissues to map native extracellular matrix structures in 3D. <i>Nature Protocols</i> , 2019, 14, 3395-3425.	5.5	55
12	Interplay Between LOX Enzymes and Integrins in the Tumor Microenvironment. <i>Cancers</i> , 2019, 11, 729.	1.7	50
13	Mesenchymal stromal cell activation by breast cancer secretomes in bioengineered 3D microenvironments. <i>Life Science Alliance</i> , 2019, 2, e201900304.	1.3	37
14	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018, 18, 1700238.	1.3	3
15	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. <i>Calcified Tissue International</i> , 2018, 102, 163-173.	1.5	10
16	Notch-Inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. <i>EMBO Reports</i> , 2018, 19, .	2.0	43
17	Hypoxic Signalling in Tumour Stroma. <i>Frontiers in Oncology</i> , 2018, 8, 189.	1.3	48
18	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

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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	Pre-metastatic niches: organ-specific homes for metastases. <i>Nature Reviews Cancer</i> , 2017, 17, 302-317.	12.8	1,272
21	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017, 8, 26066-26078.	0.8	81
22	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. <i>Trends in Cancer</i> , 2016, 2, 279-282.	3.8	43
23	Quantification of Lung Metastases from In Vivo Mouse Models. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 245-251.	0.8	6
24	Structural ECM components in the premetastatic and metastatic niche. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C955-C967.	2.1	92
25	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
26	Targeting the <sc>LOX</sc> / <sc>hypoxia</sc> axis reverses many of the features that make pancreatic cancer deadly: inhibition of <sc>LOX</sc> abrogates metastasis and enhances drug efficacy. <i>EMBO Molecular Medicine</i> , 2015, 7, 1063-1076.	3.3	223
27	Targeting ECM Disrupts Cancer Progression. <i>Frontiers in Oncology</i> , 2015, 5, 224.	1.3	210
28	Molecular Pathways: Connecting Fibrosis and Solid Tumor Metastasis. <i>Clinical Cancer Research</i> , 2014, 20, 3637-3643.	3.2	136
29	Brain Cancer Spreads. <i>Science Translational Medicine</i> , 2014, 6, 247fs28.	5.8	8
30	Lysyl oxidase in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G659-G666.	1.6	31
31	LOX-Mediated Collagen Crosslinking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2013, 73, 1721-1732.	0.4	436
32	Tumor-Secreted LOXL2 Activates Fibroblasts through FAK Signaling. <i>Molecular Cancer Research</i> , 2013, 11, 1425-1436.	1.5	90
33	Network Medicine Strikes a Blow against Breast Cancer. <i>Cell</i> , 2012, 149, 731-733.	13.5	51
34	The rationale for targeting the LOX family in cancer. <i>Nature Reviews Cancer</i> , 2012, 12, 540-552.	12.8	464
35	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
36	LOXL2-Mediated Matrix Remodeling in Metastasis and Mammary Gland Involution. <i>Cancer Research</i> , 2011, 71, 1561-1572.	0.4	221

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37	The Role of Lysyl Oxidase in SRC-Dependent Proliferation and Metastasis of Colorectal Cancer. Journal of the National Cancer Institute, 2011, 103, 407-424.	3.0	169
38	Network-based drugs and biomarkers. Journal of Pathology, 2010, 220, 290-296.	2.1	68
39	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, 4281-4286.	0.8	72
40	Hypoxia-Induced Lysyl Oxidase Is a Critical Mediator of Bone Marrow Cell Recruitment to Form the Premetastatic Niche. Cancer Cell, 2009, 15, 35-44.	7.7	1,056
41	Three-dimensional context regulation of metastasis. Clinical and Experimental Metastasis, 2009, 26, 35-49.	1.7	285
42	Matrix Crosslinking Forces Tumor Progression by Enhancing Integrin Signaling. Cell, 2009, 139, 891-906.	13.5	3,319
43	Lysyl Oxidase Mediates Hypoxic Control of Metastasis: Figure 1.. Cancer Research, 2006, 66, 10238-10241.	0.4	188
44	Lysyl oxidase is essential for hypoxia-induced metastasis. Nature, 2006, 440, 1222-1226.	13.7	1,231