

Janine T Erler

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

12,405
citations

136950

32
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

16754
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Crosslinking Forces Tumor Progression by Enhancing Integrin Signaling. <i>Cell</i> , 2009, 139, 891-906.	28.9	3,319
2	Pre-metastatic niches: organ-specific homes for metastases. <i>Nature Reviews Cancer</i> , 2017, 17, 302-317.	28.4	1,272
3	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
4	Lysyl oxidase is essential for hypoxia-induced metastasis. <i>Nature</i> , 2006, 440, 1222-1226.	27.8	1,231
5	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
6	The rationale for targeting the LOX family in cancer. <i>Nature Reviews Cancer</i> , 2012, 12, 540-552.	28.4	464
7	LOX-Mediated Collagen Crosslinking Is Responsible for Fibrosis-Enhanced Metastasis. <i>Cancer Research</i> , 2013, 73, 1721-1732.	0.9	436
8	Three-dimensional context regulation of metastasis. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 35-49.	3.3	285
9	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.	6.9	223
10	LOXL2-Mediated Matrix Remodeling in Metastasis and Mammary Gland Involution. <i>Cancer Research</i> , 2011, 71, 1561-1572.	0.9	221
11	Targeting ECM Disrupts Cancer Progression. <i>Frontiers in Oncology</i> , 2015, 5, 224.	2.8	210
12	Lysyl Oxidase Mediates Hypoxic Control of Metastasis: Figure 1.. <i>Cancer Research</i> , 2006, 66, 10238-10241.	0.9	188
13	Cancer cellsâ€™ 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
14	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
15	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.	30.7	144
16	Molecular Pathways: Connecting Fibrosis and Solid Tumor Metastasis. <i>Clinical Cancer Research</i> , 2014, 20, 3637-3643.	7.0	136
17	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
18	Basement membrane stiffness determines metastases formation. <i>Nature Materials</i> , 2021, 20, 892-903.	27.5	94

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19	Structural ECM components in the premetastatic and metastatic niche. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C955-C967.	4.6	92
20	Tumor-Secreted LOXL2 Activates Fibroblasts through FAK Signaling. <i>Molecular Cancer Research</i> , 2013, 11, 1425-1436.	3.4	90
21	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017, 8, 26066-26078.	1.8	81
22	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. <i>Journal of Clinical Oncology</i> , 2009, 27, 4281-4286.	1.6	72
23	Network-based drugs and biomarkers. <i>Journal of Pathology</i> , 2010, 220, 290-296.	4.5	68
24	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.	12.8	65
25	Decellularization and antibody staining of mouse tissues to map native extracellular matrix structures in 3D. <i>Nature Protocols</i> , 2019, 14, 3395-3425.	12.0	55
26	Network Medicine Strikes a Blow against Breast Cancer. <i>Cell</i> , 2012, 149, 731-733.	28.9	51
27	Interplay Between LOX Enzymes and Integrins in the Tumor Microenvironment. <i>Cancers</i> , 2019, 11, 729.	3.7	50
28	Hypoxic Signalling in Tumour Stroma. <i>Frontiers in Oncology</i> , 2018, 8, 189.	2.8	48
29	Fibrosis and Cancer: Partners in Crime or Opposing Forces?. <i>Trends in Cancer</i> , 2016, 2, 279-282.	7.4	43
30	Notch-induced hydrogels reveal a perivascular switch of mesenchymal stem cell fate. <i>EMBO Reports</i> , 2018, 19, .	4.5	43
31	Mesenchymal stromal cell activation by breast cancer secretomes in bioengineered 3D microenvironments. <i>Life Science Alliance</i> , 2019, 2, e201900304.	2.8	37
32	Lysyl oxidase in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G659-G666.	3.4	31
33	Framing cancer progression: influence of the organ- and tumour-specific matrisome. <i>FEBS Journal</i> , 2020, 287, 1454-1477.	4.7	27
34	Deciphering the temporal heterogeneity of cancer-associated fibroblast subpopulations in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 175.	8.6	24
35	Filopodia rotate and coil by actively generating twist in their actin shaft. <i>Nature Communications</i> , 2022, 13, 1636.	12.8	21
36	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.	5.4	12

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37	Established Models and New Paradigms for Hypoxia-Driven Cancer-Associated Bone Disease. <i>Calcified Tissue International</i> , 2018, 102, 163-173.	3.1	10
38	Brain Cancer Spreads. <i>Science Translational Medicine</i> , 2014, 6, 247fs28.	12.4	8
39	Organ-Specific, Fibroblast-Derived Matrix as a Tool for Studying Breast Cancer Metastasis. <i>Cancers</i> , 2021, 13, 3331.	3.7	8
40	Modeling Metastatic Colonization in a Decellularized Organ Scaffoldâ€Based Perfusion Bioreactor. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100684.	7.6	7
41	Quantification of Lung Metastases from In Vivo Mouse Models. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 245-251.	1.6	6
42	Matritecture: Mapping the extracellular matrix architecture during health and disease. <i>Matrix Biology Plus</i> , 2022, 14, 100102.	3.5	6
43	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018, 18, 1700238.	2.2	3
44	Decellularization of the Murine Cardiopulmonary Complex. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2