

David Entenberg

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61 papers	3,195 citations	25 h-index	56 g-index
91 ext. papers	4,046 ext. citations	8.7 avg, IF	5.03 L-index

#	Paper	IF	Citations
61	Serum peptide profiling by magnetic particle-assisted, automated sample processing and MALDI-TOF mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 1560-70	7.8	435
60	Real-Time Imaging Reveals Local, Transient Vascular Permeability, and Tumor Cell Intravasation Stimulated by TIE2hi Macrophage-Derived VEGFA. <i>Cancer Discovery</i> , 2015 , 5, 932-43	24.4	343
59	Mechanism of early dissemination and metastasis in Her2 mammary cancer. <i>Nature</i> , 2016 , 540, 588-592	50.4	317
58	Neoadjuvant chemotherapy induces breast cancer metastasis through a TMEM-mediated mechanism. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	240
57	Phenotypic heterogeneity of disseminated tumour cells is preset by primary tumour hypoxic microenvironments. <i>Nature Cell Biology</i> , 2017 , 19, 120-132	23.4	175
56	Homophilic CD44 Interactions Mediate Tumor Cell Aggregation and Polyclonal Metastasis in Patient-Derived Breast Cancer Models. <i>Cancer Discovery</i> , 2019 , 9, 96-113	24.4	142
55	Tumor cell entry into the lymph node is controlled by CCL1 chemokine expressed by lymph node lymphatic sinuses. <i>Journal of Experimental Medicine</i> , 2013 , 210, 1509-28	16.6	133
54	Tks5 and SHIP2 regulate invadopodium maturation, but not initiation, in breast carcinoma cells. <i>Current Biology</i> , 2013 , 23, 2079-89	6.3	128
53	Intravital multiphoton imaging reveals multicellular streaming as a crucial component of in vivo cell migration in human breast tumors. <i>Intravital</i> , 2013 , 2, e25294		117
52	A Unidirectional Transition from Migratory to Perivascular Macrophage Is Required for Tumor Cell Intravasation. <i>Cell Reports</i> , 2018 , 23, 1239-1248	10.6	108
51	Setup and use of a two-laser multiphoton microscope for multichannel intravital fluorescence imaging. <i>Nature Protocols</i> , 2011 , 6, 1500-20	18.8	91
50	A permanent window for the murine lung enables high-resolution imaging of cancer metastasis. <i>Nature Methods</i> , 2018 , 15, 73-80	21.6	89
49	Brightness-equalized quantum dots. <i>Nature Communications</i> , 2015 , 6, 8210	17.4	83
48	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015 , 14, 582-94	9.9	74
47	The Selective Tie2 Inhibitor Rebastinib Blocks Recruitment and Function of Tie2 Macrophages in Breast Cancer and Pancreatic Neuroendocrine Tumors. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2486-2501	6.1	67
46	The Different Routes to Metastasis via Hypoxia-Regulated Programs. <i>Trends in Cell Biology</i> , 2018 , 28, 941-956	18.3	54
45	High-resolution multiphoton imaging of tumors in vivo. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, 1167-84	2	53

44	The emerging roles of macrophages in cancer metastasis and response to chemotherapy. <i>Journal of Leukocyte Biology</i> , 2019 , 106, 259-274	6.5	49
43	In Vivo Visualization of Stromal Macrophages via label-free FLIM-based metabolite imaging. <i>Scientific Reports</i> , 2016 , 6, 25086	4.9	48
42	subcellular resolution optical imaging in the lung reveals early metastatic proliferation and motility. <i>Intravital</i> , 2015 , 4,		42
41	Autocrine CSF1R signaling mediates switching between invasion and proliferation downstream of TGF β in claudin-low breast tumor cells. <i>Oncogene</i> , 2015 , 34, 2721-31	9.2	33
40	A FRET-facilitated photoswitching using an orange fluorescent protein with the fast photoconversion kinetics. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14789-99	16.4	30
39	A metastasis biomarker (MetaSite Score) is associated with distant recurrence in hormone receptor-positive, HER2-negative early-stage breast cancer. <i>Npj Breast Cancer</i> , 2017 , 3, 42	7.8	26
38	High-resolution live-cell imaging and time-lapse microscopy of invadopodium dynamics and tracking analysis. <i>Methods in Molecular Biology</i> , 2013 , 1046, 343-57	1.4	26
37	Time-lapsed, large-volume, high-resolution intravital imaging for tissue-wide analysis of single cell dynamics. <i>Methods</i> , 2017 , 128, 65-77	4.6	25
36	Imaging tumor cell movement in vivo. <i>Current Protocols in Cell Biology</i> , 2013 , Chapter 19, Unit19.7	2.3	23
35	Intravital Imaging Techniques for Biomedical and Clinical Research. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 448-457	4.6	21
34	Direct visualization of the phenotype of hypoxic tumor cells at single cell resolution in vivo using a new hypoxia probe. <i>Intravital</i> , 2016 , 5,		20
33	Tumor Microenvironment of Metastasis (TMEM) Doorways Are Restricted to the Blood Vessel Endothelium in Both Primary Breast Cancers and Their Lymph Node Metastases. <i>Cancers</i> , 2019 , 11,	6.6	17
32	Visualization of actin polymerization in invasive structures of macrophages and carcinoma cells using photoconvertible F-actin-Dendra2 fusion proteins. <i>PLoS ONE</i> , 2011 , 6, e16485	3.7	17
31	Extended Time-lapse Intravital Imaging of Real-time Multicellular Dynamics in the Tumor Microenvironment. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	15
30	Long-term High-Resolution Intravital Microscopy in the Lung with a Vacuum Stabilized Imaging Window. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	15
29	The role of the tumor microenvironment in tumor cell intravasation and dissemination. <i>European Journal of Cell Biology</i> , 2020 , 99, 151098	6.1	14
28	In vivo microcartography and subcellular imaging of tumor angiogenesis: a novel platform for translational angiogenesis research. <i>Microvascular Research</i> , 2009 , 78, 51-6	3.7	13
27	Validation of a device for the active manipulation of the tumor microenvironment during intravital imaging. <i>Intravital</i> , 2016 , 5,		12

26	Black race and distant recurrence after neoadjuvant or adjuvant chemotherapy in breast cancer. <i>Clinical and Experimental Metastasis</i> , 2018 , 35, 613-623	4.7	10
25	The use of fluorescent proteins for intravital imaging of cancer cell invasion. <i>Methods in Molecular Biology</i> , 2012 , 872, 15-30	1.4	9
24	Hematogenous Dissemination of Breast Cancer Cells From Lymph Nodes Is Mediated by Tumor MicroEnvironment of Metastasis Doorways. <i>Frontiers in Oncology</i> , 2020 , 10, 571100	5.3	9
23	Intravital Imaging and Photoswitching in Tumor Invasion and Intravasation Microenvironments. <i>Microscopy Today</i> , 2010 , 18, 34-37	0.4	8
22	Assessing Tumor Microenvironment of Metastasis Doorway-Mediated Vascular Permeability Associated with Cancer Cell Dissemination using Intravital Imaging and Fixed Tissue Analysis. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6
21	Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells.. <i>Nature Communications</i> , 2022 , 13, 626	17.4	6
20	The in vivo invasion assay: preparation and handling of collection needles. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, 1232-4	1.2	5
19	The Cancer Cell Dissemination Machinery as an Immunosuppressive Niche: A New Obstacle Towards the Era of Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2021 , 12, 654877	8.4	5
18	delivers tetanus toxoid protein to pancreatic tumors and induces cancer cell death in mice.. <i>Science Translational Medicine</i> , 2022 , 14, eabc1600	17.5	5
17	Abstract 3051: Mechanism of early dissemination and metastasis in Her2+ mammary cancer 2017 ,		4
16	Targeting Tie2 in the Tumor Microenvironment: From Angiogenesis to Dissemination. <i>Cancers</i> , 2021 , 13,	6.6	4
15	Live tumor imaging shows macrophage induction and TMEM-mediated enrichment of cancer stem cells during metastatic dissemination.. <i>Nature Communications</i> , 2021 , 12, 7300	17.4	4
14	Abstract 878: A new SOX2/OCT4 stem cell biosensor reveals the mechanism of cancer stem cell dissemination in human breast cancer 2017 ,		3
13	Breast Cancer Cell Re-Dissemination from Lung Metastases-A Mechanism for Enhancing Metastatic Burden. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
12	Validation of an Automated Quantitative Digital Pathology Approach for Scoring TMEM, a Prognostic Biomarker for Metastasis. <i>Cancers</i> , 2020 , 12,	6.6	2
11	Abstract 3000: Hypoxic primary tumor stress microenvironments prime DTCs in lungs for dormancy 2015 ,		2
10	SUN-MKL1 Crosstalk Regulates Nuclear Deformation and Fast Motility of Breast Carcinoma Cells in Fibrillar ECM Microenvironment. <i>Cells</i> , 2021 , 10,	7.9	2
9	Multimodal microscopy of immune cells and melanoma for longitudinal studies 2006 , 6081, 62		1

8	Tumor-targeted delivery of childhood vaccine recall antigens by attenuated <i>Listeria</i> reduces pancreatic cancer		1
7	A Permanent Window for Investigating Cancer Metastasis to the Lung. <i>Journal of Visualized Experiments</i> , 2021 ,	1.6	1
6	Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells		1
5	Real-time, high-resolution imaging of tumor cells in genetically engineered and orthotopic models of thyroid cancer. <i>Endocrine-Related Cancer</i> , 2020 , 27, 529-539	5.7	0
4	Real-time, high-resolution imaging of tumor cells in genetically engineered and orthotopic models of thyroid cancer. <i>Endocrine-Related Cancer</i> , 2020 , 27, 529-539	5.7	0
3	Multi-scale Time-lapse Intravital Imaging of Soft Tissues to Map Single Cell Behavior. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1168-1169	0.5	
2	Intravital Imaging and Photomanipulation of Tumor Invasion and Intravasation Microenvironments. <i>Microscopy and Microanalysis</i> , 2009 , 15, 86-87	0.5	
1	Sensitive In Vivo Detection of Primary T Cells Expressing Membrane-Anchored Gaussia Luciferase for the Study of Adoptive T Cell Immunotherapy in Murine Models of Malignancy.. <i>Blood</i> , 2006 , 108, 3685-3685	2.3	