

Lance L Munn

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

22,107
citations

11651

70
h-index

8866

145
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all docs

188
docs citations

188
times ranked

23318
citing authors

#	ARTICLE	IF	CITATIONS
1	Placental growth factor promotes tumour desmoplasia and treatment resistance in intrahepatic cholangiocarcinoma. <i>Gut</i> , 2022, 71, 185-193.	12.1	34
2	Glycocalyx mechanotransduction mechanisms are involved in renal cancer metastasis. <i>Matrix Biology Plus</i> , 2022, 13, 100100.	3.5	5
3	Strategies to minimize heterogeneity and optimize clinical trials in Acute Respiratory Distress Syndrome (ARDS): Insights from mathematical modelling. <i>EBioMedicine</i> , 2022, 75, 103809.	6.1	9
4	Towards principled design of cancer nanomedicine to accelerate clinical translation. <i>Materials Today Bio</i> , 2022, 13, 100208.	5.5	47
5	The effects of gravity and compression on interstitial fluid transport in the lower limb. <i>Scientific Reports</i> , 2022, 12, 4890.	3.3	5
6	Abstract 474: Integrating imaging and multi-omics data to elucidate racial differences in breast tumor biology to optimize precision oncology approaches and patient outcome. <i>Cancer Research</i> , 2022, 82, 474-474.	0.9	0
7	Abstract 1917: Accurate modeling of HER2 positive breast cancer disease progression with a biophysical modeling software. <i>Cancer Research</i> , 2022, 82, 1917-1917.	0.9	0
8	Abstract 1217: Spatio-temporal modeling of the tumor microenvironment for prediction of patient-specific response to chemotherapy. <i>Cancer Research</i> , 2022, 82, 1217-1217.	0.9	0
9	Abstract 2721: Accurate prediction of tumor growth and doubling times for triple negative breast cancer (TNBC) allows for patient-specific assessment of tumor aggressiveness. <i>Cancer Research</i> , 2022, 82, 2721-2721.	0.9	1
10	In silico dynamics of COVID-19 phenotypes for optimizing clinical management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
11	Vascular Normalization to Improve Treatment of COVID-19: Lessons from Treatment of Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2706-2711.	7.0	2
12	Comparing machine learning algorithms for predicting ICU admission and mortality in COVID-19. <i>Npj Digital Medicine</i> , 2021, 4, 87.	10.9	97
13	In vivo compression and imaging in mouse brain to measure the effects of solid stress. <i>Nature Protocols</i> , 2020, 15, 2321-2340.	12.0	24
14	Regorafenib combined with PD1 blockade increases CD8 T-cell infiltration by inducing CXCL10 expression in hepatocellular carcinoma. , 2020, 8, e001435.		87
15	Physical traits of cancer. <i>Science</i> , 2020, 370, .	12.6	371
16	A mechanobiological mathematical model of liver metabolism. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2861-2874.	3.3	3
17	A multi-scale model for determining the effects of pathophysiology and metabolic disorders on tumor growth. <i>Scientific Reports</i> , 2020, 10, 3025.	3.3	14
18	Combining microenvironment normalization strategies to improve cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3728-3737.	7.1	163

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19	Optimizing Vessel Normalization and Chemotherapies to Control Tumor Growth. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
20	An Agent-Based Model to Investigate Cellular Mechanisms of Vasculogenesis. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
21	Analysis of Systemic Transport Barriers for the Activation of Anti-tumor Immunity. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
22	The Effects of Valve Leaflet Mechanics on Lymphatic Pumping Assessed Using Numerical Simulations. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
23	Hyaluronic Acid Receptor RHAMM Mediates Renal Carcinoma Metastasis. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
24	TMOD-37. IN VIVO COMPRESSION AND IMAGING FOR CAUSAL STUDIES OF MECHANICAL FORCES IN THE BRAIN. <i>Neuro-Oncology</i> , 2020, 22, ii235-ii236.	1.2	0
25	The cancer cell glyocalyx proteoglycan Glypican-1 mediates interstitial flow mechanotransduction to enhance cell migration and metastasis. <i>Biorheology</i> , 2019, 56, 151-161.	0.4	15
26	Vascular regulation of antitumor immunity. <i>Science</i> , 2019, 365, 544-545.	12.6	124
27	The effects of valve leaflet mechanics on lymphatic pumping assessed using numerical simulations. <i>Scientific Reports</i> , 2019, 9, 10649.	3.3	17
28	Mechanosensing tensile solid stresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21960-21962.	7.1	7
29	BSCI-10. NEUROLOGICAL DYSFUNCTION CAUSED BY BRAIN TUMOR-GENERATED SOLID STRESS IS REVERSED BY LITHIUM. <i>Neuro-Oncology Advances</i> , 2019, 1, i2-i3.	0.7	0
30	Experimental and computational analyses reveal dynamics of tumor vessel cooption and optimal treatment strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2662-2671.	7.1	73
31	Mapping Physical Tumor Microenvironment and Drug Delivery. <i>Clinical Cancer Research</i> , 2019, 25, 2024-2026.	7.0	37
32	Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium. <i>Nature Biomedical Engineering</i> , 2019, 3, 230-245.	22.5	127
33	Quantifying solid stress and elastic energy from excised or in situ tumors. <i>Nature Protocols</i> , 2018, 13, 1091-1105.	12.0	70
34	Methicillin-resistant <i>Staphylococcus aureus</i> causes sustained collecting lymphatic vessel dysfunction. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	45
35	Reengineering the Physical Microenvironment of Tumors to Improve Drug Delivery and Efficacy: From Mathematical Modeling to Bench to Bedside. <i>Trends in Cancer</i> , 2018, 4, 292-319.	7.4	389
36	Reengineering the Tumor Vasculature: Improving Drug Delivery and Efficacy. <i>Trends in Cancer</i> , 2018, 4, 258-259.	7.4	72

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37	Vascular beds maintain pancreatic tumour explants for <i>ex vivo</i> drug screening. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e318-e322.	2.7	10
38	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	7.2	429
39	Lymphatic function measurements influenced by contrast agent volume and body position. JCI Insight, 2018, 3, .	5.0	10
40	SLPI: a new target for stopping metastasis. Aging, 2018, 10, 13-14.	3.1	11
41	Surface glyocalyx and glypican-1 mediate tumor cell metastasis. FASEB Journal, 2018, 32, 281.5.	0.5	0
42	Abstract 95: Heparan sulfate and glypican-1 mediate renal carcinoma metastasis. , 2018, , .		0
43	Stress granule-associated protein G3BP2 regulates breast tumor initiation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1033-1038.	7.1	60
44	Solid stress and elastic energy as measures of tumour mechanopathology. Nature Biomedical Engineering, 2017, 1, .	22.5	280
45	Cancer and inflammation. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2017, 9, e1370.	6.6	166
46	Effects of Low Intensity Continuous Ultrasound (LICU) on Mouse Pancreatic Tumor Explants. Applied Sciences (Switzerland), 2017, 7, 1275.	2.5	7
47	Secretory leukocyte protease inhibitor (SLPI) as a potential target for inhibiting metastasis of triple-negative breast cancers. Oncotarget, 2017, 8, 108292-108302.	1.8	19
48	Abstract 5796: Heparan sulfate proteoglycans mediate tumor cell invasion and metastasis. , 2017, , .		0
49	Abstract 3987: Solid stress and elastic energy as measures of tumor mechanopathology. , 2017, , .		0
50	IMST-40. REPROGRAMMING OF THE TUMOR IMMUNE MICROENVIRONMENT BY AN ANG-2/VEGF BISPECIFIC ANTIBODY DELAYS TUMOR GROWTH AND PROLONGS SURVIVAL IN PRECLINICAL GBM MODELS. Neuro-Oncology, 2016, 18, vi95-vi95.	1.2	0
51	Flow-induced HDAC1 phosphorylation and nuclear export in angiogenic sprouting. Scientific Reports, 2016, 6, 34046.	3.3	27
52	Ang-2/VEGF bispecific antibody reprograms macrophages and resident microglia to anti-tumor phenotype and prolongs glioblastoma survival. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4476-4481.	7.1	287
53	Implantable tissue isolation chambers for analyzing tumor dynamics in vivo. Lab on A Chip, 2016, 16, 1840-1851.	6.0	7
54	Self-assembly of vascularized tissue to support tumor explants in vitro. Integrative Biology (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	10

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55	Heparan sulfate proteoglycans mediate renal carcinoma metastasis. <i>International Journal of Cancer</i> , 2016, 139, 2791-2801.	5.1	28
56	The Lymphatic System in Disease Processes and Cancer Progression. <i>Annual Review of Biomedical Engineering</i> , 2016, 18, 125-158.	12.3	172
57	Reply to Davis: Nitric oxide regulates lymphatic contractions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E106.	7.1	5
58	Fluid Mechanics and Transport in Tumors. <i>Science Policy Reports</i> , 2016, , 73-88.	0.1	1
59	Synchronization and Random Triggering of Lymphatic Vessel Contractions. <i>PLoS Computational Biology</i> , 2016, 12, e1005231.	3.2	26
60	Abstract LB-347: Ang-2/VEGF bispecific antibody reprograms macrophages and resident microglia to anti-tumor phenotype and prolongs glioblastoma survival. , 2016, , .		2
61	Mechanobiology of lymphatic contractions. <i>Seminars in Cell and Developmental Biology</i> , 2015, 38, 67-74.	5.0	33
62	Mechanobiological oscillators control lymph flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10938-10943.	7.1	73
63	Microfluidic Model of Angiogenic Sprouting. <i>Methods in Molecular Biology</i> , 2015, 1214, 243-254.	0.9	4
64	Compression of Pancreatic Tumor Blood Vessels by Hyaluronan Is Caused by Solid Stress and Not Interstitial Fluid Pressure. <i>Cancer Cell</i> , 2014, 26, 14-15.	16.8	155
65	Imaging the lymphatic system. <i>Microvascular Research</i> , 2014, 96, 55-63.	2.5	101
66	Lung Window Preparation in Mice. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072678.	0.3	1
67	Measuring Leukocyte-Endothelial Interactions in Mice. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot075085.	0.3	1
68	Dynamics of tissue topology during cancer invasion and metastasis. <i>Physical Biology</i> , 2013, 10, 065003.	1.8	8
69	Cancer cell glycocalyx mediates mechanotransduction and flow-regulated invasion. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 1334-1343.	1.3	78
70	Lymphatic vessels in health and disease. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013, 5, 111-124.	6.6	66
71	Measuring Interstitial pH and pO ₂ in Mouse Tumors. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot075713.	0.3	1
72	Measuring Vascular Permeability in Mice. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot074344-pdb.prot074344.	0.3	6

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73	Can We Identify Predictive Biomarkers for Antiangiogenic Therapy of Cancer Using Mathematical Modeling?. Journal of the National Cancer Institute, 2013, 105, 762-765.	6.3	15
74	Measuring Interstitial Diffusion, Convection, and Binding Parameters in Mouse Tumors. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot075721.	0.3	3
75	Measuring Angiogenesis and Hemodynamics in Mice. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot073916.	0.3	10
76	Modeling Tumor Blood Vessel Dynamics. Lecture Notes on Mathematical Modelling in the Life Sciences, 2013, , 117-147.	0.4	3
77	Endothelial dynamics during sprouting morphogenesis. FASEB Journal, 2013, 27, 688.2.	0.5	0
78	Abstract LB-348: Evolution of physical forces in the tumor microenvironment and implications for therapeutic resistance.. , 2013, , .		0
79	Neovascularization After Irradiation: What is the Source of Newly Formed Vessels in Recurring Tumors?. Journal of the National Cancer Institute, 2012, 104, 899-905.	6.3	58
80	Pancreatic Tumor Preparation in Mice. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072363.	0.3	2
81	Rabbit Ear Chambers. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot070045-pdb.prot070045.	0.3	2
82	Video-rate resonant scanning multiphoton microscopy: An emerging technique for intravital imaging of the tumor microenvironment. Intravital, 2012, 1, 60-68.	2.0	43
83	Causes, consequences, and remedies for growth-induced solid stress in murine and human tumors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15101-15108.	7.1	677
84	Corneal Pocket Assay in Rabbits: Figure 1.. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot070052.	0.3	2
85	Mammary Fat Pad Chamber Preparation in Mice. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot071506-pdb.prot071506.	0.3	0
86	Lymphangiography of the Mouse Tail. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072108.	0.3	1
87	Residual Stresses in Solid Tumors: Implications to Tumor Growth and Drug Delivery. , 2012, , .		0
88	RhoA mediates flow-induced endothelial sprouting in a 3-D tissue analogue of angiogenesis. Lab on A Chip, 2012, 12, 5000.	6.0	44
89	Anastomosis of endothelial sprouts forms new vessels in a tissue analogue of angiogenesis. Integrative Biology (United Kingdom), 2012, 4, 857.	1.3	85
90	Mechanical compression drives cancer cells toward invasive phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 911-916.	7.1	507

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91	Vascular normalizing doses of antiangiogenic treatment reprogram the immunosuppressive tumor microenvironment and enhance immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17561-17566.	7.1	800
92	Mammary Fat Pad Tumor Preparation in Mice: Figure 1.. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot071514.	0.3	7
93	Liver Tumor Preparation in Mice. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072371.	0.3	1
94	Lymphangiography of the Mouse Ear. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072116.	0.3	4
95	Quantitative Assessment of Whole-Body Tumor Burden in Adult Patients with Neurofibromatosis. PLoS ONE, 2012, 7, e35711.	2.5	126
96	Modeling Structural and Functional Adaptation of Tumor Vessel Networks During Antiangiogenic Therapy. , 2012, , 213-233.		0
97	Laser Scanning Methodologies for Measuring RBC Velocity, Flux, Hematocrit and Shear Rate in Vascular Networks. , 2012, , 417-431.		0
98	Perivascular cell dynamics during wrapping-and-tapping anastomosis. FASEB Journal, 2012, 26, 683.5.	0.5	0
99	Vascular adaptation and network efficiency. FASEB Journal, 2012, 26, 682.2.	0.5	0
100	Biomimetic postcapillary expansions for enhancing rare blood cell separation on a microfluidic chip. Lab on A Chip, 2011, 11, 2941.	6.0	45
101	Impaired lymphatic contraction associated with immunosuppression. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18784-18789.	7.1	246
102	Engineered blood vessel networks connect to host vasculature via wrapping-and-tapping anastomosis. Blood, 2011, 118, 4740-4749.	1.4	119
103	Normalization of the Vasculature for Treatment of Cancer and Other Diseases. Physiological Reviews, 2011, 91, 1071-1121.	28.8	1,275
104	Scaling rules for diffusive drug delivery in tumor and normal tissues. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1799-1803.	7.1	159
105	Fluid forces control endothelial sprouting. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15342-15347.	7.1	432
106	Cancer Cell-Associated MT1-MMP Promotes Blood Vessel Invasion and Distant Metastasis in Triple-Negative Mammary Tumors. Cancer Research, 2011, 71, 4527-4538.	0.9	93
107	Is vasculogenesis crucial for the regrowth of irradiated tumours?. Nature Reviews Cancer, 2011, 11, 532-532.	28.4	10
108	Transparent Window Models and Intravital Microscopy: Imaging Gene Expression, Physiological Function and Therapeutic Effects in Tumors. , 2011, , 641-679.		7

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109	Is vasculogenesis crucial for the regrowth of irradiated tumours?. <i>Nature Reviews Cancer</i> , 2011, 11, 532-532.	28.4	11
110	Tumor Microvasculature and Microenvironment: Novel Insights Through Intravital Imaging in Pre-Clinical Models. <i>Microcirculation</i> , 2010, 17, 206-225.	1.8	376
111	Simultaneous measurement of RBC velocity, flux, hematocrit and shear rate in vascular networks. <i>Nature Methods</i> , 2010, 7, 655-660.	19.0	192
112	Angiopoietin-2 Interferes with Anti-VEGFR2-Induced Vessel Normalization and Survival Benefit in Mice Bearing Gliomas. <i>Clinical Cancer Research</i> , 2010, 16, 3618-3627.	7.0	125
113	Diffusion of Particles in the Extracellular Matrix: The Effect of Repulsive Electrostatic Interactions. <i>Biophysical Journal</i> , 2010, 99, 1342-1349.	0.5	340
114	Diffusion Anisotropy in Collagen Gels and Tumors: The Effect of Fiber Network Orientation. <i>Biophysical Journal</i> , 2010, 99, 3119-3128.	0.5	157
115	In Vivo Imaging of Tumors. <i>Cold Spring Harbor Protocols</i> , 2010, 2010, pdb.prot5452-pdb.prot5452.	0.3	40
116	Wrapping and Tapping Anastomosis between Engrafted Endothelial Networks and Host Vasculature. <i>FASEB Journal</i> , 2010, 24, 235.5.	0.5	0
117	Compression-induced cell distension stimulates coordinated migration of mammary carcinoma cells. <i>FASEB Journal</i> , 2010, 24, 39.3.	0.5	1
118	Determinants of Leukocyte Margination in Rectangular Microchannels. <i>FASEB Journal</i> , 2010, 24, 974.7.	0.5	1
119	A mathematical framework for predicting oxygen transport and vessel remodeling in tumors. <i>FASEB Journal</i> , 2010, 24, 750.3.	0.5	0
120	Edema Control by Cediranib, a Vascular Endothelial Growth Factor Receptor-Targeted Kinase Inhibitor, Prolongs Survival Despite Persistent Brain Tumor Growth in Mice. <i>Journal of Clinical Oncology</i> , 2009, 27, 2542-2552.	1.6	285
121	Three-dimensional microscopy of the tumor microenvironment in vivo using optical frequency domain imaging. <i>Nature Medicine</i> , 2009, 15, 1219-1223.	30.7	692
122	In vivo imaging of extracellular matrix remodeling by tumor-associated fibroblasts. <i>Nature Methods</i> , 2009, 6, 143-145.	19.0	120
123	Micro-Environmental Mechanical Stress Controls Tumor Spheroid Size and Morphology by Suppressing Proliferation and Inducing Apoptosis in Cancer Cells. <i>PLoS ONE</i> , 2009, 4, e4632.	2.5	368
124	PDGF-C Induces Maturation of Blood Vessels in a Model of Glioblastoma and Attenuates the Response to Anti-VEGF Treatment. <i>PLoS ONE</i> , 2009, 4, e5123.	2.5	99
125	Paradoxical Effects of PDGF-BB Overexpression in Endothelial Cells on Engineered Blood Vessels In Vivo. <i>American Journal of Pathology</i> , 2009, 175, 294-302.	3.8	43
126	Determinants of Leukocyte Margination in Rectangular Microchannels. <i>PLoS ONE</i> , 2009, 4, e7104.	2.5	77

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127	Blood Cell Interactions and Segregation in Flow. <i>Annals of Biomedical Engineering</i> , 2008, 36, 534-544.	2.5	82
128	Lattice-Boltzmann simulation of blood flow in digitized vessel networks. <i>Computers and Mathematics With Applications</i> , 2008, 55, 1594-1600.	2.7	64
129	A protocol for phenotypic detection and characterization of vascular cells of different origins in a lung neovascularization model in rodents. <i>Nature Protocols</i> , 2008, 3, 388-397.	12.0	9
130	Lattice Boltzmann modelling of blood cell dynamics. <i>International Journal of Computational Fluid Dynamics</i> , 2008, 22, 481-492.	1.2	55
131	Active versus passive mechanisms in metastasis: do cancer cells crawl into vessels, or are they pushed?. <i>Lancet Oncology</i> , The, 2007, 8, 444-448.	10.7	230
132	Effect of Vascular Normalization by Antiangiogenic Therapy on Interstitial Hypertension, Peritumor Edema, and Lymphatic Metastasis: Insights from a Mathematical Model. <i>Cancer Research</i> , 2007, 67, 2729-2735.	0.9	556
133	Modeling the flow of dense suspensions of deformable particles in three dimensions. <i>Physical Review E</i> , 2007, 75, 066707.	2.1	217
134	Non-Uniform Plasma Leakage Affects Local Hematocrit and Blood Flow: Implications for Inflammation and Tumor Perfusion. <i>Annals of Biomedical Engineering</i> , 2007, 35, 2121-2129.	2.5	42
135	Influence of erythrocyte aggregation on leukocyte margination in postcapillary expansions: A lattice Boltzmann analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 362, 191-196.	2.6	42
136	PDGF and microvessel wall remodeling in adult rat lung: imaging PDGF-AA and PDGF-R1± molecules in progenitor smooth muscle cells developing in experimental pulmonary hypertension. <i>Cell and Tissue Research</i> , 2006, 326, 759-769.	2.9	27
137	Lack of Telopeptides in Fibrillar Collagen I Promotes the Invasion of a Metastatic Breast Tumor Cell Line. <i>Cancer Research</i> , 2005, 65, 5674-5682.	0.9	50
138	Surrogate Markers for Antiangiogenic Therapy and Dose-Limiting Toxicities for Bevacizumab With Radiation and Chemotherapy: Continued Experience of a Phase I Trial in Rectal Cancer Patients. <i>Journal of Clinical Oncology</i> , 2005, 23, 8136-8139.	1.6	410
139	Mosaic Tumor Vessels: Cellular Basis and Ultrastructure of Focal Regions Lacking Endothelial Cell Markers. <i>Cancer Research</i> , 2005, 65, 5740-5749.	0.9	104
140	Particulate Nature of Blood Determines Macroscopic Rheology: A 2-D Lattice Boltzmann Analysis. <i>Biophysical Journal</i> , 2005, 88, 1635-1645.	0.5	110
141	Biomimetic Autoseparation of Leukocytes from Whole Blood in a Microfluidic Device. <i>Analytical Chemistry</i> , 2005, 77, 933-937.	6.5	197
142	NO mediates mural cell recruitment and vessel morphogenesis in murine melanomas and tissue-engineered blood vessels. <i>Journal of Clinical Investigation</i> , 2005, 115, 1816-1827.	8.2	167
143	Differential Transplantability of Tumor-Associated Stromal Cells. <i>Cancer Research</i> , 2004, 64, 5920-5924.	0.9	49
144	Differential Gene Expression in Metastasizing Cells Shed from Kidney Tumors. <i>Cancer Research</i> , 2004, 64, 2469-2473.	0.9	47

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145	Direct evidence that the VEGF-specific antibody bevacizumab has antivasular effects in human rectal cancer. <i>Nature Medicine</i> , 2004, 10, 145-147.	30.7	1,852
146	Kinetics of vascular normalization by VEGFR2 blockade governs brain tumor response to radiation. <i>Cancer Cell</i> , 2004, 6, 553-563.	16.8	789
147	Aberrant vascular architecture in tumors and its importance in drug-based therapies. <i>Drug Discovery Today</i> , 2003, 8, 396-403.	6.4	108
148	Solid stress generated by spheroid growth estimated using a linear poroelasticity model. <i>Microvascular Research</i> , 2003, 66, 204-212.	2.5	254
149	Red Blood Cells Initiate Leukocyte Rolling in Postcapillary Expansions: A Lattice Boltzmann Analysis. <i>Biophysical Journal</i> , 2003, 85, 208-222.	0.5	133
150	Mechanisms of Leukotriene B ₄ Triggered Monocyte Adhesion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1761-1767.	2.4	66
151	A mathematical model of the contribution of endothelial progenitor cells to angiogenesis in tumors: implications for antiangiogenic therapy. <i>Blood</i> , 2003, 102, 2555-2561.	1.4	122
152	Sparse initial entrapment of systemically injected <i>Salmonella typhimurium</i> leads to heterogeneous accumulation within tumors. <i>Cancer Research</i> , 2003, 63, 5188-93.	0.9	132
153	Lymphatic Metastasis in the Absence of Functional Intratumor Lymphatics. <i>Science</i> , 2002, 296, 1883-1886.	12.6	869
154	Systemic Distribution and Tumor Localization of Adoptively Transferred Lymphocytes in Mice: Comparison with Physiologically Based Pharmacokinetic Model. <i>Neoplasia</i> , 2002, 4, 3-8.	5.3	29
155	Red Blood Cells Augment Leukocyte Rolling in a Virtual Blood Vessel. <i>Biophysical Journal</i> , 2002, 83, 1834-1841.	0.5	117
156	Antibody-Directed Effector Cell Therapy of Tumors: Analysis and Optimization Using a Physiologically Based Pharmacokinetic Model. <i>Neoplasia</i> , 2002, 4, 449-463.	5.3	50
157	Dissecting tumour pathophysiology using intravital microscopy. <i>Nature Reviews Cancer</i> , 2002, 2, 266-276.	28.4	576
158	Solid stress facilitates spheroid formation: potential involvement of hyaluronan. <i>British Journal of Cancer</i> , 2002, 86, 947-953.	6.4	69
159	Cationic charge determines the distribution of liposomes between the vascular and extravascular compartments of tumors. <i>Cancer Research</i> , 2002, 62, 6831-6.	0.9	278
160	Kinetics of Placenta Growth Factor/Vascular Endothelial Growth Factor Synergy in Endothelial Hydraulic Conductivity and Proliferation. <i>Microvascular Research</i> , 2001, 61, 203-210.	2.5	28
161	Decorin Inhibits Endothelial Migration and Tube-like Structure Formation: Role of Thrombospondin-1. <i>Microvascular Research</i> , 2001, 62, 26-42.	2.5	93
162	Lateral View Flow System for Studies of Cell Adhesion and Deformation under Flow Conditions. <i>BioTechniques</i> , 2001, 30, 388-394.	1.8	21

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163	Vascular Morphogenesis and Remodeling in a Human Tumor Xenograft. <i>Circulation Research</i> , 2001, 89, 732-739.	4.5	93
164	Vascular Morphogenesis and Remodeling in a Model of Tissue Repair. <i>Circulation Research</i> , 2001, 89, 723-731.	4.5	79
165	Leaky vessels? Call Ang1!. <i>Nature Medicine</i> , 2000, 6, 131-132.	30.7	89
166	Mosaic blood vessels in tumors: Frequency of cancer cells in contact with flowing blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 14608-14613.	7.1	595
167	Erythrocytes Enhance Lymphocyte Rolling and Arrest in Vivo. <i>Microvascular Research</i> , 2000, 59, 316-322.	2.5	52
168	Effect of Vascular Endothelial Growth Factor on Cultured Endothelial Cell Monolayer Transport Properties. <i>Microvascular Research</i> , 2000, 59, 265-277.	2.5	118
169	Vasculogenic Mimicry: How Convincing, How Novel, and How Significant?. <i>American Journal of Pathology</i> , 2000, 156, 383-388.	3.8	180
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