

Interstitial pressure gradients in tissue-isolated and subcutaneous
for therapy

Cancer Research

50, 4478-84

Citation Report

#	ARTICLE	IF	CITATIONS
1	Vascular and interstitial barriers to delivery of therapeutic agents in tumors. <i>Cancer and Metastasis Reviews</i> , 1990, 9, 253-266.	2.7	461
2	Transport of fluid and macromolecules in tumors. II. Role of heterogeneous perfusion and lymphatics. <i>Microvascular Research</i> , 1990, 40, 246-263.	1.1	309
3	Transport of fluid and macromolecules in tumors. <i>Microvascular Research</i> , 1991, 41, 5-23.	1.1	203
4	Transport of fluid and macromolecules in tumors. IV. A microscopic model of the perivascular distribution. <i>Microvascular Research</i> , 1991, 41, 252-272.	1.1	116
5	The Influence of Vasoactive Agents on the Perfusion of Tumours Growing in Three Sites in the Mouse. <i>International Journal of Radiation Biology</i> , 1991, 60, 211-218.	1.0	24
6	Haemodynamic and Transport Barriers to the Treatment of Solid Tumours. <i>International Journal of Radiation Biology</i> , 1991, 60, 85-100.	1.0	114
7	New trends in photobiology. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 11, 3-30.	1.7	39
8	Differential thermal sensitivity of tumour and normal tissue microvascular response during hyperthermia. <i>International Journal of Hyperthermia</i> , 1992, 8, 501-514.	1.1	71
9	Effects of clonidine-induced hypotension and dopamine-induced hypertension on blood flows in prostatic adenocarcinoma (dunning R3327) and normal tissues. <i>Prostate</i> , 1992, 20, 225-232.	1.2	8
10	Physical barriers to drug delivery in tumors. <i>Critical Reviews in Oncology/Hematology</i> , 1993, 14, 29-39.	2.0	20
11	Quantitative single-photon emission tomography for tumour blood flow measurement in bronchial carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1993, 20, 591-9.	2.2	3
12	Reduction in tumor blood flow in skin flap tumor after hydralazine is not due to a vascular steal phenomenon. <i>Radiation Oncology Investigations</i> , 1993, 1, 270-278.	1.3	10
13	THE EFFECTS OF ASPIRIN ON MICROVASCULATURE AFTER PHOTODYNAMIC THERAPY. <i>Photochemistry and Photobiology</i> , 1993, 57, 856-861.	1.3	9
14	Relationship of perfusion to edema in the 9L gliosarcoma. <i>Journal of Neuro-Oncology</i> , 1993, 16, 81-87.	1.4	5
15	Tumour blood flow: measurement and manipulation for therapeutic gain. <i>Cancer Treatment Reviews</i> , 1993, 19, 299-349.	3.4	38
16	Modification of tumour blood flow using the hypertensive agent, angiotensin II. <i>British Journal of Cancer</i> , 1993, 67, 981-988.	2.9	40
17	Resistance to flow through tissue-isolated transplanted rat tumours located in two different sites. <i>British Journal of Cancer</i> , 1993, 67, 1337-1341.	2.9	9
18	The morphological effects of the anti-tumor agents flavone acetic acid and 5,6-dimethyl xanthenone acetic acid on the colon 38 mouse tumor. <i>Pathology</i> , 1994, 26, 161-169.	0.3	19

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19	Future directions in hyperthermia biology. <i>International Journal of Hyperthermia</i> , 1994, 10, 339-345.	1.1	32
20	Magnetic Resonance Imaging of Human Melanoma Xenografts <i>in Vivo</i> : Proton Spin Lattice and Spin Spin Relaxation Times Versus Fractional Tumour Water Content and Fraction of Necrotic Tumour Tissue. <i>International Journal of Radiation Biology</i> , 1994, 65, 387-401.	1.0	74
21	Estramustine potentiates the effects of irradiation on the dunning (R3327) rat prostatic adenocarcinoma. <i>Prostate</i> , 1994, 24, 79-83.	1.2	15
22	A critique of the role of the blood-brain barrier in the chemotherapy of human brain tumors. <i>Journal of Neuro-Oncology</i> , 1994, 20, 121-139.	1.4	109
23	Interstitial fluid pressure in breast cancer, benign breast conditions, and breast parenchyma. <i>Annals of Surgical Oncology</i> , 1994, 1, 333-338.	0.7	159
24	Transport Phenomena in Tumors. <i>Advances in Chemical Engineering</i> , 1994, 19, 129-200.	0.5	25
25	The radiosensitizer nicotinamide inhibits arterial vasoconstriction. <i>British Journal of Radiology</i> , 1994, 67, 795-799.	1.0	34
26	Differences in leucocyte-endothelium interactions between normal and adenocarcinoma bearing tissues in response to radiation. <i>British Journal of Cancer</i> , 1994, 69, 883-889.	2.9	40
27	Changes in tumour blood flow, oxygenation and interstitial fluid pressure induced by pentoxifylline. <i>British Journal of Cancer</i> , 1994, 69, 492-496.	2.9	69
28	Macromolecular drug carrier systems in cancer chemotherapy: macromolecular prodrugs. <i>Critical Reviews in Oncology/Hematology</i> , 1995, 18, 207-231.	2.0	113
29	Tumor oxygenation in a transplanted rat rhabdomyosarcoma during fractionated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 1391-1400.	0.4	54
30	MRI of human tumor xenografts <i>in vivo</i> : Proton relaxation times and extracellular tumor volume. <i>Magnetic Resonance Imaging</i> , 1995, 13, 693-700.	1.0	28
31	Hyperthermic modulation of radiolabelled antibody uptake in a human glioma xenograft and normal tissues. <i>International Journal of Hyperthermia</i> , 1995, 11, 59-72.	1.1	29
32	Effects of cellular pharmacology on drug distribution in tissues. <i>Biophysical Journal</i> , 1995, 69, 825-839.	0.2	22
33	Antitumor effect of intratumoral administration of fluorouracil/epinephrine injectable gel in C3H mice. <i>Cancer Chemotherapy and Pharmacology</i> , 1995, 36, 27-34.	1.1	29
34	The Modification of Blood Flow in Tumours and Their Supplying Arteries by Nicotinamide. <i>Acta Oncologica</i> , 1995, 34, 397-400.	0.8	11
35	Interstitial Fluid Pressure in Human Melanoma Xenografts Relationship to fractional tumor water content, tumor size, and tumor volume-doubling time. <i>Acta Oncologica</i> , 1995, 34, 361-365.	0.8	11
36	Compatibility and the genesis of residual stress by volumetric growth. <i>Journal of Mathematical Biology</i> , 1996, 34, 889-914.	0.8	168

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37	Rates of flow of technetium 99m-labeled human serum albumin from peripheral injection sites to sentinel lymph nodes. <i>Annals of Surgical Oncology</i> , 1996, 3, 329-335.	0.7	43
38	1995 Whitaker lecture: Delivery of molecules, particles, and cells to solid tumors. <i>Annals of Biomedical Engineering</i> , 1996, 24, 457-473.	1.3	66
39	Pharmacokinetic analysis of drug disposition after intratumoral injection in a tissue-isolated tumor perfusion system. <i>Pharmaceutical Research</i> , 1996, 13, 1438-1444.	1.7	14
40	Trends in Drug Targeting for Cancer Treatment. <i>Drug Delivery</i> , 1996, 3, 289-304.	2.5	13
42	Expression of melanoma-associated antigen of thermotolerant human cells. <i>International Journal of Hyperthermia</i> , 1996, 12, 539-549.	1.1	0
43	Transmural Coupling of Fluid Flow in Microcirculatory Network and Interstitium in Tumors. <i>Microvascular Research</i> , 1997, 53, 128-141.	1.1	132
44	Effects of Needle Insertion in Tumors on Interstitial Fluid Pressure. <i>Microvascular Research</i> , 1997, 54, 174-177.	1.1	10
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49	Delivery of molecular and cellular medicine to solid tumors. <i>Advanced Drug Delivery Reviews</i> , 1997, 26, 71-90.	6.6	241
50	Plasma protein (albumin) catabolism by the tumor itself—implications for tumor metabolism and the genesis of cachexia. <i>Critical Reviews in Oncology/Hematology</i> , 1997, 26, 77-100.	2.0	264
51	Three-dimensional simulation of IgG delivery to tumors. <i>Chemical Engineering Science</i> , 1998, 53, 3579-3600.	1.9	50
52	Tumor oxygenation correlates with molecular growth determinants in breast cancer. <i>Breast Cancer Research and Treatment</i> , 1998, 48, 97-106.	1.1	77
53	Intratumoral infusion of fluid: estimation of hydraulic conductivity and implications for the delivery of therapeutic agents. <i>British Journal of Cancer</i> , 1998, 78, 1442-1448.	2.9	90
54	Delivery of molecular and cellular medicine to solid tumors. <i>Journal of Controlled Release</i> , 1998, 53, 49-67.	4.8	166
55	Tissue-level transport mechanisms of intraperitoneally-administered monoclonal antibodies. <i>Journal of Controlled Release</i> , 1998, 53, 69-75.	4.8	16

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56	Transvascular drug delivery in solid tumors. <i>Seminars in Radiation Oncology</i> , 1998, 8, 164-175.	1.0	111
57	Interstitial fluid pressure in cervical carcinoma. , 1998, 82, 2418-2426.		84
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65	Pressure measurements during injection of corticosteroids:in vivo studies. <i>Medical and Biological Engineering and Computing</i> , 1999, 37, 645-651.	1.6	10
66	Pharmacokinetics of anticancer drugs, plasmid DNA, and their delivery systems in tissue-isolated perfused tumors. <i>Advanced Drug Delivery Reviews</i> , 1999, 40, 19-37.	6.6	19
67	Global HDO uptake in human glioma xenografts is related to the perfused capillary distribution. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 479-489.	1.9	10
68	A biophysical basis of enhanced interstitial fluid pressure in tumors. <i>Medical Hypotheses</i> , 1999, 53, 526-529.	0.8	14
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70	Interstitial Fluid Pressure and Capillary Diameter Distribution in Human Melanoma Xenografts. <i>Microvascular Research</i> , 1999, 58, 205-214.	1.1	28
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72	Enhancing the Uptake of Chemotherapeutic Drugs into Tumors using an â€œArtificial Lymphatic Systemâ€. <i>Annals of Biomedical Engineering</i> , 2000, 28, 556-564.	1.3	6
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74	Artificial Lymphatic System: A New Approach to Reduce Interstitial Hypertension and Increase Blood Flow, pH and pO ₂ in Solid Tumors. <i>Annals of Biomedical Engineering</i> , 2000, 28, 543-555.	1.3	25
75	Transduction of hepatocellular carcinoma (HCC) using recombinant adeno-associated virus (rAAV): in vitro and in vivo effects of genotoxic agents. <i>Journal of Hepatology</i> , 2000, 32, 975-985.	1.8	38
76	Model of interstitial pressure as a result of cyclical changes in the capillary wall fluid transport. <i>Medical Hypotheses</i> , 2001, 57, 161-166.	0.8	21
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78	Pharmacological aspects of targeting cancer gene therapy to endothelial cells. <i>Critical Reviews in Oncology/Hematology</i> , 2001, 37, 169-215.	2.0	24
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85	Uptake of IgG in osteosarcoma correlates inversely with interstitial fluid pressure, but not with interstitial constituents. <i>British Journal of Cancer</i> , 2001, 85, 1968-1977.	2.9	19
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88	Multiphase Mechanics of Capsule Formation in Tumors. <i>Journal of Biomechanical Engineering</i> , 2002, 124, 237-243.	0.6	66
89	The influence of combretastatin A-4 and vinblastine on interstitial fluid pressure in BT4An rat gliomas. <i>Cancer Letters</i> , 2002, 178, 209-217.	3.2	15
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120	Pathobiology of brain metastases. <i>Journal of Clinical Pathology</i> , 2005, 58, 237-242.	1.0	166
121	Elevated Physiologic Tumor Pressure Promotes Proliferation and Chemosensitivity in Human Osteosarcoma. <i>Clinical Cancer Research</i> , 2005, 11, 2389-2397.	3.2	81
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129	Noninvasive Magnetic Resonance Imaging of Transport and Interstitial Fluid Pressure in Ectopic Human Lung Tumors. <i>Cancer Research</i> , 2006, 66, 4159-4166.	0.4	68
130	Tumour overexpression of inducible nitric oxide synthase (iNOS) increases angiogenesis and may modulate the anti-tumour effects of the vascular disrupting agent ZD6126. <i>Microvascular Research</i> , 2006, 71, 76-84.	1.1	32
131	Imaging vascular physiology to monitor cancer treatment. <i>Critical Reviews in Oncology/Hematology</i> , 2006, 58, 95-113.	2.0	53
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134	Barriers to carrier mediated drug and gene delivery to brain tumors. <i>Journal of Controlled Release</i> , 2006, 110, 236-259.	4.8	110
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143	Tumor microvasculature and microenvironment: Targets for anti-angiogenesis and normalization. <i>Microvascular Research</i> , 2007, 74, 72-84.	1.1	592
144	Effect of nitric-oxide synthesis on tumour blood volume and vascular activity: a phase I study. <i>Lancet Oncology</i> , The, 2007, 8, 111-118.	5.1	105
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150	Pulsed-High Intensity Focused Ultrasound and Low Temperature-“Sensitive Liposomes for Enhanced Targeted Drug Delivery and Antitumor Effect. <i>Clinical Cancer Research</i> , 2007, 13, 2722-2727.	3.2	436
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153	Tumor microenvironment abnormalities: Causes, consequences, and strategies to normalize. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 937-949.	1.2	498
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156	Mechanisms of resistance to cisplatin and carboplatin. <i>Critical Reviews in Oncology/Hematology</i> , 2007, 63, 12-31.	2.0	525
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161	Activation of human peritoneal immune cells in early stages of gastric and colon cancer. <i>Surgery</i> , 2007, 141, 212-221.	1.0	11
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