

Michal Neeman

List of Publications by Year in descending order

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167
papers

13,041
citations

34105

52
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23533

111
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183
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183
docs citations

183
times ranked

15093
citing authors

#	ARTICLE	IF	CITATIONS
1	Deuterium Magnetic Resonance Imaging and the Discrimination of Fetoplacental Metabolism in Normal and L-NAME-Induced Preeclamptic Mice. <i>Metabolites</i> , 2021, 11, 376.	2.9	13
2	Efficient maternal to neonatal transfer of antibodies against SARS-CoV-2 and BNT162b2 mRNA COVID-19 vaccine. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	177
3	Prediction of Ovarian Follicular Dominance by MRI Phenotyping of Hormonally Induced Vascular Remodeling. <i>Frontiers in Medicine</i> , 2021, 8, 711810.	2.6	0
4	Intravital imaging of vascular anomalies and extracellular matrix remodeling in orthotopic pancreatic tumors. <i>International Journal of Cancer</i> , 2020, 146, 2209-2217.	5.1	9
5	Google maps for tissues: Multiscale imaging of biological systems and disease. <i>Acta Physiologica</i> , 2020, 228, e13392.	3.8	11
6	Bimodal magnetic resonance and optical imaging of extracellular matrix remodelling by orthotopic ovarian tumours. <i>British Journal of Cancer</i> , 2020, 123, 216-225.	6.4	5
7	Novel multimodal molecular imaging of Vitamin H (Biotin) transporter activity in the murine placenta. <i>Scientific Reports</i> , 2020, 10, 20767.	3.3	2
8	Diffusion and perfusion MRI of normal, preeclamptic and growth-restricted mice models reveal clear fetoplacental differences. <i>Scientific Reports</i> , 2020, 10, 16380.	3.3	3
9	BACH family members regulate angiogenesis and lymphangiogenesis by modulating VEGFC expression. <i>Life Science Alliance</i> , 2020, 3, e202000666.	2.8	20
10	Hyaluronan control of the primary vascular barrier during early mouse pregnancy is mediated by uterine NK cells. <i>JCI Insight</i> , 2020, 5, .	5.0	7
11	Molecular pathways of senescence regulate placental structure and function. <i>EMBO Journal</i> , 2019, 38, e100849.	7.8	61
12	Magnetic Resonance Imaging Reveals Distinct Roles for Tissue Transglutaminase and Factor XIII in Maternal Angiogenesis During Early Mouse Pregnancy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1602-1613.	2.4	4
13	Placental physiology monitored by hyperpolarized dynamic ¹³ C magnetic resonance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2429-E2436.	7.1	24
14	Perspectives: MRI of angiogenesis. <i>Journal of Magnetic Resonance</i> , 2018, 292, 99-105.	2.1	5
15	Whole Organ Blood and Lymphatic Vessels Imaging (WOBLI). <i>Scientific Reports</i> , 2018, 8, 1412.	3.3	28
16	Vascular targeted photodynamic therapy for pancreatic ductal adenocarcinoma: A pre-clinical success. <i>Annals of Oncology</i> , 2018, 29, iii21.	1.2	0
17	Imaging Insulin Secretion from Mouse Pancreas by MRI Is Improved by Use of a Zinc-Responsive MRI Sensor with Lower Affinity for Zn ²⁺ Ions. <i>Journal of the American Chemical Society</i> , 2018, 140, 17456-17464.	13.7	61
18	A macrocyclic ¹⁹ F-MR based probe for Mn ²⁺ sensing. <i>Inorganic Chemistry Communication</i> , 2017, 78, 21-24.	3.9	8

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19	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. ACS Nano, 2017, 11, 5785-5799.	14.6	137
20	Emerging Nanomedical Solutions for Angiogenesis Regulation. Advanced Drug Delivery Reviews, 2017, 119, 1-2.	13.7	2
21	In Vivo Preclinical Imaging of Developmental Biology. , 2017, , 627-650.		0
22	Genetic manipulation of iron biomineralization enhances MR relaxivity in a ferritin-M6A chimeric complex. Scientific Reports, 2016, 6, 26550.	3.3	17
23	MR Imaging-derived Oxygen-Hemoglobin Dissociation Curves and Fetal-Placental Oxygen-Hemoglobin Affinities. Radiology, 2016, 280, 68-77.	7.3	24
24	Fibroblast recruitment as a tool for ovarian cancer detection and targeted therapy. International Journal of Cancer, 2016, 139, 1788-1798.	5.1	8
25	Multimodal Correlative Preclinical Whole Body Imaging and Segmentation. Scientific Reports, 2016, 6, 27940.	3.3	12
26	Genetic and Pharmacological Modulation of Akt1 for Improving Ovarian Graft Revascularization in a Mouse Model. Biology of Reproduction, 2016, 94, 14.	2.7	11
27	A Novel Intravital Imaging Window for Longitudinal Microscopy of the Mouse Ovary. Scientific Reports, 2015, 5, 12446.	3.3	45
28	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. Molecular Imaging, 2015, 14, 7290.2015.00013.	1.4	3
29	Electron spin resonance microscopic imaging of oxygen concentration in cancer spheroids. Journal of Magnetic Resonance, 2015, 256, 77-85.	2.1	23
30	Cardio-Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Reveals Molecular Signatures of Endogenous Fibrosis and Exogenous Contrast Media. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	27
31	Functional MRI of the placenta – From rodents to humans. Placenta, 2015, 36, 615-622.	1.5	55
32	Using bimodal MRI/fluorescence imaging to identify host angiogenic response to implants. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5147-5152.	7.1	53
33	ERBB2 triggers mammalian heart regeneration by promoting cardiomyocyte dedifferentiation and proliferation. Nature Cell Biology, 2015, 17, 627-638.	10.3	541
34	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. Molecular Imaging, 2015, 14, 366-72.	1.4	1
35	MRI, Intra-vital, and Ex-vivo Fluorescence Microscopy of the Mouse Uterine Vasculature and Placenta. , 2014, , 715-722.		0
36	Multimodal Imaging of the Mouse Placenta. , 2014, , 363-372.		1

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37	Sequence alignment of in-utero fetal tissue MRI in mice. , 2014, , .		0
38	Major mouse placental compartments revealed by diffusion-weighted MRI, contrast-enhanced MRI, and fluorescence imaging. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10353-10358.	7.1	44
39	In search of signaling pathways critical for ovarian graft reception: Akt1 is essential for long-term survival of ovarian grafts. Fertility and Sterility, 2014, 101, 536-544.e2.	1.0	9
40	Micro-CT Imaging of Tumor Angiogenesis. American Journal of Pathology, 2014, 184, 431-441.	3.8	132
41	Imaging aspects of the tumor stroma with therapeutic implications. , 2014, 141, 192-208.		52
42	Ovarian Dendritic Cells Act as a Double-Edged Pro-Ovulatory and Anti-Inflammatory Sword. Molecular Endocrinology, 2014, 28, 1039-1054.	3.7	32
43	Blastocyst implantation failure relates to impaired translational machinery gene expression. Reproduction, 2014, 148, 87-98.	2.6	11
44	MRI reporter genes: applications for imaging of cell survival, proliferation, migration and differentiation. NMR in Biomedicine, 2013, 26, 872-884.	2.8	63
45	Can statins improve ovarian graft reception?. Fertility and Sterility, 2013, 100, S118.	1.0	0
46	Ovarian Carcinoma: Quantitative Biexponential MR Imaging Relaxometry Reveals the Dynamic Recruitment of Ferritin-expressing Fibroblasts to the Angiogenic Rim of Tumors. Radiology, 2013, 268, 790-801.	7.3	27
47	Multimodal imaging reveals a role for Akt1 in fetal cardiac development. Physiological Reports, 2013, 1, e00143.	1.7	9
48	Reporter gene approaches for mapping cell fate decisions by MRI: promises and pitfalls. Contrast Media and Molecular Imaging, 2013, 8, 424-431.	0.8	21
49	Chronic Akt1 Deficiency Attenuates Adverse Remodeling and Enhances Angiogenesis After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2013, 6, 992-1000.	2.6	13
50	Abstract A68: Utilizing fibroblast recruitment for detection of ovarian microtumors in the abdomen. , 2013, , .		0
51	AKT1 signaling pathway activation improves angiogenesis of ovarian grafts. Fertility and Sterility, 2012, 98, S69-S70.	1.0	1
52	The Hemodynamic Basis for Positional- and Inter-Fetal Dependent Effects in Dual Arterial Supply of Mouse Pregnancies. PLoS ONE, 2012, 7, e52273.	2.5	23
53	Cancer: An Angiogenic Disease?. Annals of Oncology, 2012, 23, ix59.	1.2	0
54	Unique in utero identification of fetuses in multifetal mouse pregnancies by placental bidirectional arterial spin labeling MRI. Magnetic Resonance in Medicine, 2012, 68, 560-570.	3.0	25

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55	Removable Nanocoatings for siRNA Polyplexes. <i>Bioconjugate Chemistry</i> , 2011, 22, 169-179.	3.6	12
56	Functional Phenotyping of the Maternal Albumin Turnover in the Mouse Placenta by Dynamic Contrast-Enhanced MRI. <i>Molecular Imaging and Biology</i> , 2011, 13, 481-492.	2.6	24
57	Quantitative analysis of intravenously administered contrast media reveals changes in vascular barrier functions in a murine colitis model. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 235-243.	3.0	17
58	Hypoxic stress and cancer: imaging the axis of evil in tumor metastasis. <i>NMR in Biomedicine</i> , 2011, 24, 569-581.	2.8	40
59	Utilizing mitochondrial events as biomarkers for imaging apoptosis. <i>Cell Death and Disease</i> , 2011, 2, e166-e166.	6.3	16
60	Survival and Size Are Differentially Regulated by Placental and Fetal PKBalpha/AKT1 in Mice1. <i>Biology of Reproduction</i> , 2011, 84, 537-545.	2.7	24
61	Conjugates of daidzein-alliinase as a targeted pro-drug enzyme system against ovarian carcinoma. <i>Journal of Drug Targeting</i> , 2011, 19, 326-335.	4.4	26
62	Imaging in Developmental Biology. , 2011, , 417-436.		1
63	Visualizing vascular permeability and lymphatic drainage using labeled serum albumin. <i>Angiogenesis</i> , 2010, 13, 75-85.	7.2	37
64	Ferritin as a reporter gene for MRI: chronic liver over expression of hâ€ferritin during dietary iron supplementation and aging. <i>NMR in Biomedicine</i> , 2010, 23, 523-531.	2.8	35
65	Novel MRI and fluorescent probes responsive to the Factor XIII transglutaminase activity. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 213-222.	0.8	22
66	Bone vascularization and trabecular bone formation are mediated by PKBalpha/Akt1 in a geneâ€dosageâ€dependent manner: In vivo and ex vivo MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 54-64.	3.0	15
67	p53 Status in Stromal Fibroblasts Modulates Tumor Growth in an SDF1-Dependent Manner. <i>Cancer Research</i> , 2010, 70, 9650-9658.	0.9	93
68	Peritoneal Adhesion and Angiogenesis in Ovarian Carcinoma Are Inversely Regulated by Hyaluronan: The Role of Gonadotropins. <i>Neoplasia</i> , 2010, 12, 51-60.	5.3	22
69	Gonadotropin-Regulated Lymphangiogenesis in Ovarian Cancer Is Mediated by LEDGF-Induced Expression of VEGF-C. <i>Cancer Research</i> , 2009, 69, 9306-9314.	0.9	45
70	Harnessing Competing Endocytic Pathways for Overcoming the Tumor-Blood Barrier: Magnetic Resonance Imaging and Near-Infrared Imaging of Bifunctional Contrast Media. <i>Cancer Research</i> , 2009, 69, 5610-5617.	0.9	9
71	RGD-labeled USPIO Inhibits Adhesion and Endocytotic Activity of Î± _v Î² ₃ -Integrinâ€expressing Glioma Cells and Only Accumulates in the Vascular Tumor Compartment. <i>Radiology</i> , 2009, 253, 462-469.	7.3	75
72	Feasibility of concurrent dual contrast enhancement using CEST contrast agents and superparamagnetic iron oxide particles. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 970-974.	3.0	33

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73	Ferritin nanoparticles as magnetic resonance reporter gene. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 181-188.	6.1	35
74	Transcriptional Regulation of Vascular Endothelial Growth Factor C by Oxidative and Thermal Stress Is Mediated by Lens Epithelium-Derived Growth Factor/p75. Neoplasia, 2009, 11, 921-IN7.	5.3	42
75	MRI Reporter Genes. Journal of Nuclear Medicine, 2008, 49, 1905-1908.	5.0	109
76	Combined use of fluorescent and dynamic light scattering imaging for applications in vascular biology. Proceedings of SPIE, 2008, , .	0.8	1
77	Uterine DCs are crucial for decidua formation during embryo implantation in mice. Journal of Clinical Investigation, 2008, 118, 3954-65.	8.2	292
78	<i>In vivo</i> Imaging of the Systemic Recruitment of Fibroblasts to the Angiogenic Rim of Ovarian Carcinoma Tumors. Cancer Research, 2007, 67, 9180-9189.	0.9	90
79	Cloprostenol, a prostaglandin F ₂ ± analog, induces hypoxia in rat placenta: BOLD contrast MRI. NMR in Biomedicine, 2007, 20, 28-39.	2.8	21
80	Molecular imaging of angiogenesis. Journal of Magnetic Resonance Imaging, 2007, 25, 1-12.	3.4	41
81	MRI detection of transcriptional regulation of gene expression in transgenic mice. Nature Medicine, 2007, 13, 498-503.	30.7	188
82	Lymphatic vessel density and function in experimental bladder cancer. BMC Cancer, 2007, 7, 219.	2.6	25
83	Antivascular Treatment of Solid Melanoma Tumors with Bacteriochlorophyll-serine-based Photodynamic Therapy. Photochemistry and Photobiology, 2007, 73, 257-266.	2.5	4
84	Pathological angiogenesis is induced by sustained Akt signaling and inhibited by rapamycin. Cancer Cell, 2006, 10, 159-170.	16.8	388
85	Kinetic analysis of hyaluronidase activity using a bioactive MRI contrast agent. Contrast Media and Molecular Imaging, 2006, 1, 106-112.	0.8	17
86	MRI analysis of angiogenesis during mouse embryo implantation. Magnetic Resonance in Medicine, 2006, 55, 1013-1022.	3.0	48
87	Reducing ischaemic damage in rodent ovarian xenografts transplanted into granulation tissue. Human Reproduction, 2006, 21, 1368-1379.	0.9	108
88	Lymph Node Metastasis in Breast Cancer Xenografts Is Associated with Increased Regions of Extravascular Drain, Lymphatic Vessel Area, and Invasive Phenotype. Cancer Research, 2006, 66, 5151-5158.	0.9	47
89	Functional and molecular mapping of uncoupling between vascular permeability and loss of vascular maturation in ovarian carcinoma xenografts: The role of stroma cells in tumor angiogenesis. International Journal of Cancer, 2005, 117, 202-211.	5.1	45
90	Labeling fibroblasts with biotin-BSA-GdDTPA-FAM for tracking of tumor-associated stroma by fluorescence and MR imaging. Magnetic Resonance in Medicine, 2005, 54, 789-797.	3.0	33

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91	Development of Magnetic Resonance Imaging Contrast Material for In vivo Mapping of Tissue Transglutaminase Activity. <i>Cancer Research</i> , 2005, 65, 1369-1375.	0.9	33
92	Magnetic Resonance Imaging Visualization of Hyaluronidase in Ovarian Carcinoma. <i>Cancer Research</i> , 2005, 65, 10316-10323.	0.9	53
93	Characterizing Extravascular Fluid Transport of Macromolecules in the Tumor Interstitium by Magnetic Resonance Imaging. <i>Cancer Research</i> , 2005, 65, 1425-1432.	0.9	61
94	The Role of Heparanase in Lymph Node Metastatic Dissemination: Dynamic Contrast-Enhanced MRI of Eb Lymphoma in Mice. <i>Neoplasia</i> , 2005, 7, 224-233.	5.3	22
95	Ferritin as an Endogenous MRI Reporter for Noninvasive Imaging of Gene Expression in C6 Glioma Tumors. <i>Neoplasia</i> , 2005, 7, 109-117.	5.3	295
96	The role of angiogenesis, vascular maturation, regression and stroma infiltration in dormancy and growth of implanted MLS ovarian carcinoma spheroids. <i>International Journal of Cancer</i> , 2004, 108, 524-531.	5.1	59
97	Longitudinal MRI tracking of the angiogenic response to hind limb ischemic injury in the mouse. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 304-311.	3.0	16
98	Angiogenesis in ectopic ovarian xenotransplantation: Multiparameter characterization of the neovasculature by dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 741-750.	3.0	76
99	Photodynamic Therapy of Established Prostatic Adenocarcinoma with TOOKAD: A Biphasic Apparent Diffusion Coefficient Change as Potential Early MRI Response Marker. <i>Neoplasia</i> , 2004, 6, 224-233.	5.3	40
100	Photodynamic Therapy of Established Prostatic Adenocarcinoma with TOOKAD: A Biphasic Apparent Diffusion Coefficient Change as Potential Early MRI Response Marker. <i>Neoplasia</i> , 2004, 6, 224-233.	5.3	19
101	Modulation of the pharmacokinetics of macromolecular contrast material by avidin chase: MRI, optical, and inductively coupled plasma mass spectrometry tracking of triply labeled albumin. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 904-914.	3.0	58
102	Monitoring photodynamic therapy of solid tumors online by BOLD-contrast MRI. <i>Nature Medicine</i> , 2003, 9, 1327-1331.	30.7	209
103	Vascular Remodeling and Angiogenesis in Ectopic Ovarian Transplants: A Crucial Role of Pericytes and Vascular Smooth Muscle Cells in Maintenance of Ovarian Grafts ¹ . <i>Biology of Reproduction</i> , 2003, 68, 2055-2064.	2.7	73
104	Structural, Functional, and Molecular MR Imaging of the Microvasculature. <i>Annual Review of Biomedical Engineering</i> , 2003, 5, 29-56.	12.3	65
105	Lysyl oxidase-related protein-1 promotes tumor fibrosis and tumor progression in vivo. <i>Cancer Research</i> , 2003, 63, 1657-66.	0.9	154
106	Treatment with halofuginone results in marked growth inhibition of a von Hippel-Lindau pheochromocytoma in vivo. <i>Clinical Cancer Research</i> , 2003, 9, 3788-93.	7.0	24
107	Non-invasive analysis of rat ovarian angiogenesis by MRI. <i>Molecular and Cellular Endocrinology</i> , 2002, 187, 19-22.	3.2	13
108	MRI and fluorescence microscopy of the acute vascular response to VEGF ₁₆₅ : vasodilation, hyper-permeability and lymphatic uptake, followed by rapid inactivation of the growth factor. <i>NMR in Biomedicine</i> , 2002, 15, 120-131.	2.8	91

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109	Functional and molecular MR imaging of angiogenesis: Seeing the target, seeing it work. <i>Journal of Cellular Biochemistry</i> , 2002, 87, 11-17.	2.6	38
110	Gonadotropin Stimulation of MLS Human Epithelial Ovarian Carcinoma Cells Augments Cell Adhesion Mediated by CD44 and by αv -Integrin. <i>Gynecologic Oncology</i> , 2002, 84, 296-302.	1.4	36
111	Overexpression of vascular endothelial growth factor 165 drives peritumor interstitial convection and induces lymphatic drain: magnetic resonance imaging, confocal microscopy, and histological tracking of triple-labeled albumin. <i>Cancer Research</i> , 2002, 62, 6731-9.	0.9	133
112	In vivo BOLD contrast MRI mapping of subcutaneous vascular function and maturation: Validation by intravital microscopy. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 887-898.	3.0	105
113	Compartmentation of intracellular water in multicellular tumor spheroids: Diffusion and relaxation NMR. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 68-77.	3.0	24
114	Diffusion anisotropy MRI for quantitative assessment of recovery in injured rat spinal cord. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 1-9.	3.0	131
115	Magnetic resonance imaging applications in the evaluation of tumor angiogenesis*. <i>Seminars in Radiation Oncology</i> , 2001, 11, 70-82.	2.2	55
116	Antivascular Treatment of Solid Melanoma Tumors with Bacteriochlorophyll a -serine-based Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2001, 73, 257.	2.5	89
117	Challenges for imaging angiogenesis. <i>British Journal of Radiology</i> , 2001, 74, 886-890.	2.2	60
118	Preclinical MRI experience in imaging angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2000, 19, 39-43.	5.9	27
119	Passive or Active Immunization with Myelin Basic Protein Promotes Recovery from Spinal Cord Contusion. <i>Journal of Neuroscience</i> , 2000, 20, 6421-6430.	3.6	348
120	Hyaluronic Acid as an Anti-Angiogenic Shield in the Preovulatory Rat Follicle. <i>Biology of Reproduction</i> , 2000, 63, 134-140.	2.7	59
121	Autoimmune T cells as potential neuroprotective therapy for spinal cord injury. <i>Lancet, The</i> , 2000, 355, 286-287.	13.7	204
122	Applications of Magnetic Resonance in Model Systems: Tumor Biology and Physiology. <i>Neoplasia</i> , 2000, 2, 139-151.	5.3	110
123	In vivo monitoring of tumor angiogenesis with MR imaging. <i>Academic Radiology</i> , 2000, 7, 812-823.	2.5	117
124	Stimulation of tumour growth by wound-derived growth factors. <i>British Journal of Cancer</i> , 1999, 79, 1392-1398.	6.4	168
125	Symposia lectures. <i>Journal of Biosciences</i> , 1999, 24, 5-31.	1.1	0
126	Spatial and temporal modulation of perfusion in the rat ovary measured by arterial spin labeling MRI. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 794-803.	3.4	15

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127	Perfusion of the rat ovary: Application of pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 113-123.	3.0	17
128	Dynamic Remodeling of the Vascular Bed Precedes Tumor Growth: MLS Ovarian Carcinoma Spheroids Implanted in Nude Mice. <i>Neoplasia</i> , 1999, 1, 226-230.	5.3	55
129	Inhibition of Neovascularization and Tumor Growth, Facilitation of Wound Repair, by Halofuginone, an Inhibitor of Collagen Type I Synthesis. <i>Neoplasia</i> , 1999, 1, 321-329.	5.3	65
130	In vivo prediction of vascular susceptibility to vascular susceptibility endothelial growth factor withdrawal: magnetic resonance imaging of C6 rat glioma in nude mice. <i>Cancer Research</i> , 1999, 59, 5012-6.	0.9	100
131	The antiangiogenic agent linomide inhibits the growth rate of von Hippel-Lindau paraganglioma xenografts to mice. <i>Clinical Cancer Research</i> , 1999, 5, 3669-75.	7.0	19
132	Role of HIF-1 α in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. <i>Nature</i> , 1998, 394, 485-490.	27.8	2,565
133	Stimulation of tumour angiogenesis by proximal wounds: spatial and temporal analysis by MRI. <i>British Journal of Cancer</i> , 1998, 77, 440-447.	6.4	56
134	Analysis of subcutaneous angiogenesis by gradient echo magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 813-824.	3.0	76
135	Intercellular communication between vascular smooth muscle and endothelial cells mediated by heparin-binding epidermal growth factor-like growth factor and vascular endothelial growth factor. <i>FEBS Letters</i> , 1998, 425, 441-447.	2.8	78
136	Assessment of Angiogenesis by MRI. , 1998, , 55-60.		1
137	Mapping Neovascularization and Antineovascularization Therapy. , 1998, , 459-473.		0
138	Loss of ovarian function promotes angiogenesis in human ovarian carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 13203-13208.	7.1	97
139	Regulation of angiogenesis by hypoxic stress: from solid tumours to the ovarian follicle. <i>International Journal of Experimental Pathology</i> , 1997, 78, 57-70.	1.3	116
140	Cyclocreatine transport and cytotoxicity in rat glioma and human ovarian carcinoma cells: 31P-NMR spectroscopy. <i>American Journal of Physiology - Cell Physiology</i> , 1996, 270, C160-C169.	4.6	19
141	Ferritin effect on the transverse relaxation of water: NMR microscopy at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 514-520.	3.0	35
142	Release of Gelatinase A (Matrix Metalloproteinase 2) Induced by Photolysis of Caged Phosphatidic Acid in HT 1080 Metastatic Fibrosarcoma Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 29656-29659.	3.4	32
143	Induction of vascular endothelial growth factor expression by hypoxia and by glucose deficiency in multicell spheroids: implications for tumor angiogenesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 768-772.	7.1	555
144	Modulation of water diffusion during gonadotropin-induced ovulation: nmr microscopy of the ovarian follicle. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 213-218.	3.0	13

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145	Stabilization of Vascular Endothelial Growth Factor mRNA by Hypoxia and Hypoglycemia and Coregulation with Other Ischemia-Induced Genes. <i>Molecular and Cellular Biology</i> , 1995, 15, 5363-5368.	2.3	428
146	Neovascularization induced growth of implanted C6 glioma multicellular spheroids: magnetic resonance microimaging. <i>Cancer Research</i> , 1995, 55, 1956-62.	0.9	58
147	Cyclocreatine accumulation leads to cellular swelling in C6 glioma multicellular spheroids: diffusion and one-dimensional chemical shift nuclear magnetic resonance microscopy. <i>Cancer Research</i> , 1995, 55, 153-8.	0.9	17
148	Magnetic Resonance Microscopy of Water Diffusion and Edema During Hypothermic Preservation of Rat Kidneys. <i>Journal of Urology</i> , 1994, 152, 1287-1291.	0.4	1
149	NMR Microscopy. , 1994, , 101-118.		4
150	Diffusion Barriers in Pulsed-Gradient Spin-Echo NMR Microscopy. <i>Israel Journal of Chemistry</i> , 1992, 32, 281-289.	2.3	8
151	Determination of water diffusion coefficients in perfluorosulfonate ionomeric membranes. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6040-6044.	2.9	912
152	A simple method for obtaining cross-term-free images for diffusion anisotropy studies in NMR microimaging. <i>Magnetic Resonance in Medicine</i> , 1991, 21, 138-143.	3.0	163
153	Cellular energetics measured by phosphorous nuclear magnetic resonance spectroscopy are not correlated with chronic nutrient deficiency in multicellular tumor spheroids. <i>Cancer Research</i> , 1991, 51, 3831-7.	0.9	47
154	Self-diffusion of water in multicellular spheroids measured by magnetic resonance microimaging. <i>Cancer Research</i> , 1991, 51, 4072-9.	0.9	48
155	Pulsed-gradient spin-echo diffusion studies in nmr imaging. Effects of the imaging gradients on the determination of diffusion coefficients. <i>Journal of Magnetic Resonance</i> , 1990, 90, 303-312.	0.5	34
156	A system for viably maintaining a stirred suspension of multicellular spheroids during NMR spectroscopy. <i>NMR in Biomedicine</i> , 1990, 3, 195-205.	2.8	27
157	Proton NMR Microscopy of Multicellular Tumor Spheroid Morphology. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 380-389.	3.0	3
158	Chemotherapy-induced changes in the energetics of human breast cancer cells; ³¹ P- and ¹³ C-NMR studies. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990, 1052, 255-263.	4.1	31
159	Proton NMR microscopy of multicellular tumor spheroid morphology. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 380-389.	3.0	25
160	Early estrogen-induced metabolic changes and their inhibition by actinomycin D and cycloheximide in human breast cancer cells: ³¹ P and ¹³ C NMR studies.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 5585-5589.	7.1	46
161	Metabolic studies of estrogen- and tamoxifen-treated human breast cancer cells by nuclear magnetic resonance spectroscopy. <i>Cancer Research</i> , 1989, 49, 589-94.	0.9	92
162	Adaptation of culture methods for NMR studies of anchorage-dependent cells. <i>Magnetic Resonance in Medicine</i> , 1988, 7, 236-242.	3.0	44

#	ARTICLE	IF	CITATIONS
163	31P-NMR studies of phosphate transfer rates in T47D human breast cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1987, 930, 179-192.	4.1	36
164	NMR metabolic studies of human breast cancer cells. , 1987, , 328-341.		4
165	Glucose and Glycine Metabolism in Regenerating Tobacco Protoplasts. <i>Plant Physiology</i> , 1985, 77, 374-378.	4.8	28
166	Polarization of delayed luminescence emission in magneto-oriented chloroplasts. <i>FEBS Letters</i> , 1981, 134, 221-225.	2.8	4
167	Combined application of dynamic light scattering imaging and fluorescence intravital microscopy in vascular biology. <i>Laser Physics Letters</i> , 0, 7, 603-606.	1.4	30