Michal Neeman

List of Publications by Year
in descending order

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167	13,041	34105	23533
papers	citations	52 h-index	111 g-index

183	183	183	15093
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of HIF-1Î± in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. Nature, 1998, 394, 485-490.	27.8	2,565
2	Determination of water diffusion coefficients in perfluorosulfonate ionomeric membranes. The Journal of Physical Chemistry, 1991, 95, 6040-6044.	2.9	912
3	Induction of vascular endothelial growth factor expression by hypoxia and by glucose deficiency in multicell spheroids: implications for tumor angiogenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 768-772.	7.1	555
4	ERBB2 triggers mammalian heart regeneration byÂpromoting cardiomyocyte dedifferentiation andÂproliferation. Nature Cell Biology, 2015, 17, 627-638.	10.3	541
5	Stabilization of Vascular Endothelial Growth Factor mRNA by Hypoxia and Hypoglycemia and Coregulation with Other Ischemia-Induced Genes. Molecular and Cellular Biology, 1995, 15, 5363-5368.	2.3	428
6	Pathological angiogenesis is induced by sustained Akt signaling and inhibited by rapamycin. Cancer Cell, 2006, 10, 159-170.	16.8	388
7	Passive or Active Immunization with Myelin Basic Protein Promotes Recovery from Spinal Cord Contusion. Journal of Neuroscience, 2000, 20, 6421-6430.	3.6	348
8	Ferritin as an Endogenous MRI Reporter for Noninvasive Imaging of Gene Expression in C6 Glioma Tumors. Neoplasia, 2005, 7, 109-117.	5.3	295
9	Uterine DCs are crucial for decidua formation during embryo implantation in mice. Journal of Clinical Investigation, 2008, 118, 3954-65.	8.2	292
10	Monitoring photodynamic therapy of solid tumors online by BOLD-contrast MRI. Nature Medicine, 2003, 9, 1327-1331.	30.7	209
11	Autoimmune T cells as potential neuroprotective therapy for spinal cord injury. Lancet, The, 2000, 355, 286-287.	13.7	204
12	MRI detection of transcriptional regulation of gene expression in transgenic mice. Nature Medicine, 2007, 13, 498-503.	30.7	188
13	Efficient maternal to neonatal transfer of antibodies against SARS-CoV-2 and BNT162b2 mRNA COVID-19 vaccine. Journal of Clinical Investigation, 2021, 131, .	8.2	177
14	Stimulation of tumour growth by wound-derived growth factors. British Journal of Cancer, 1999, 79, 1392-1398.	6.4	168
15	A simple method for obtaining cross-term-free images for diffusion anisotropy studies in NMR microimaging. Magnetic Resonance in Medicine, 1991, 21, 138-143.	3.0	163
16	Lysyl oxidase-related protein-1 promotes tumor fibrosis and tumor progression in vivo. Cancer Research, 2003, 63, 1657-66.	0.9	154
17	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. ACS Nano, 2017, 11, 5785-5799.	14.6	137
18	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. Cancer Research, 2002, 62, 6731-9.	0.9	133

#	Article	IF	Citations
19	Micro-CT Imaging of Tumor Angiogenesis. American Journal of Pathology, 2014, 184, 431-441.	3.8	132
20	Diffusion anisotropy MRI for quantitative assessment of recovery in injured rat spinal cord. Magnetic Resonance in Medicine, 2001, 45, 1-9.	3.0	131
21	In vivo monitoring of tumor angiogenesis with MR imaging. Academic Radiology, 2000, 7, 812-823.	2.5	117
22	Regulation of angiogenesis by hypoxic stress: from solid tumours to the ovarian follicle. International Journal of Experimental Pathology, 1997, 78, 57-70.	1.3	116
23	Applications of Magnetic Resonance in Model Systems: Tumor Biology and Physiology. Neoplasia, 2000, 2, 139-151.	5.3	110
24	MRI Reporter Genes. Journal of Nuclear Medicine, 2008, 49, 1905-1908.	5.0	109
25	Reducing ischaemic damage in rodent ovarian xenografts transplanted into granulation tissue. Human Reproduction, 2006, 21, 1368-1379.	0.9	108
26	In vivo BOLD contrast MRI mapping of subcutaneous vascular function and maturation: Validation by intravital microscopy. Magnetic Resonance in Medicine, 2001, 45, 887-898.	3.0	105
27	In vivo prediction of vascular susceptibility to vascular susceptibility endothelial growth factor withdrawal: magnetic resonance imaging of C6 rat glioma in nude mice. Cancer Research, 1999, 59, 5012-6.	0.9	100
28	Loss of ovarian function promotes angiogenesis in human ovarian carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13203-13208.	7.1	97
29	p53 Status in Stromal Fibroblasts Modulates Tumor Growth in an SDF1-Dependent Manner. Cancer Research, 2010, 70, 9650-9658.	0.9	93
30	Metabolic studies of estrogen- and tamoxifen-treated human breast cancer cells by nuclear magnetic resonance spectroscopy. Cancer Research, 1989, 49, 589-94.	0.9	92
31	MRI and fluorescence microscopy of the acute vascular response to VEGF165: vasodilation, hyper-permeability and lymphatic uptake, followed by rapid inactivation of the growth factor. NMR in Biomedicine, 2002, 15, 120-131.	2.8	91
32	In vivo Imaging of the Systemic Recruitment of Fibroblasts to the Angiogenic Rim of Ovarian Carcinoma Tumors. Cancer Research, 2007, 67, 9180-9189.	0.9	90
33	Antivascular Treatment of Solid Melanoma Tumors with Bacteriochlorophyllâ€“serine-based Photodynamic TherapyÂ¶. Photochemistry and Photobiology, 2001, 73, 257.	2.5	89
34	Intercellular communication between vascular smooth muscle and endothelial cells mediated by heparin-binding epidermal growth factor-like growth factor and vascular endothelial growth factor. FEBS Letters, 1998, 425, 441-447.	2.8	78
35	Analysis of subcutaneous angiogenesis by gradient echo magnetic resonance imaging. Magnetic Resonance in Medicine, 1998, 39, 813-824.	3.0	76
36	Angiogenesis in ectopic ovarian xenotransplantation: Multiparameter characterization of the neovasculature by dynamic contrast-enhanced MRI. Magnetic Resonance in Medicine, 2004, 52, 741-750.	3.0	76

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37	RGD-labeled USPIO Inhibits Adhesion and Endocytotic Activity of Î±_vÎ²₃-Integrinâ€“expressing Glioma Cells and Only Accumulates in the Vascular Tumor Compartment. Radiology, 2009, 253, 462-469.	7.3	75
38	Vascular Remodeling and Angiogenesis in Ectopic Ovarian Transplants: A Crucial Role of Pericytes and Vascular Smooth Muscle Cells in Maintenance of Ovarian Grafts1. Biology of Reproduction, 2003, 68, 2055-2064.	2.7	73
39	Inhibition of Neovascularization and Tumor Growth, Facilitation of Wound Repair, by Halofuginone, an Inhibitor of Collagen Type I Synthesis. Neoplasia, 1999, 1, 321-329.	5.3	65
40	Structural, Functional, and Molecular MR Imaging of the Microvasculature. Annual Review of Biomedical Engineering, 2003, 5, 29-56.	12.3	65
41	MRI reporter genes: applications for imaging of cell survival, proliferation, migration and differentiation. NMR in Biomedicine, 2013, 26, 872-884.	2.8	63
42	Characterizing Extravascular Fluid Transport of Macromolecules in the Tumor Interstitium by Magnetic Resonance Imaging. Cancer Research, 2005, 65, 1425-1432.	0.9	61
43	Imaging Insulin Secretion from Mouse Pancreas by MRI Is Improved by Use of a Zinc-Responsive MRI Sensor with Lower Affinity for Zn²⁺ Ions. Journal of the American Chemical Society, 2018, 140, 17456-17464.	13.7	61
44	Molecular pathways of senescence regulate placental structure and function. EMBO Journal, 2019, 38, e100849.	7.8	61
45	Challenges for imaging angiogenesis. British Journal of Radiology, 2001, 74, 886-890.	2.2	60
46	Hyaluronic Acid as an Anti-Angiogenic Shield in the Preovulatory Rat Follicle1. Biology of Reproduction, 2000, 63, 134-140.	2.7	59
47	The role of angiogenesis, vascular maturation, regression and stroma infiltration in dormancy and growth of implanted MLS ovarian carcinoma spheroids. International Journal of Cancer, 2004, 108, 524-531.	5.1	59
48	Modulation of the pharmacokinetics of macromolecular contrast material by avidin chase: MRI, optical, and inductively coupled plasma mass spectrometry tracking of triply labeled albumin. Magnetic Resonance in Medicine, 2003, 50, 904-914.	3.0	58
49	Neovascularization induced growth of implanted C6 glioma multicellular spheroids: magnetic resonance microimaging. Cancer Research, 1995, 55, 1956-62.	0.9	58
50	Stimulation of tumour angiogenesis by proximal wounds: spatial and temporal analysis by MRI. British Journal of Cancer, 1998, 77, 440-447.	6.4	56
51	Dynamic Remodeling of the Vascular Bed Precedes Tumor Growth: MLS Ovarian Carcinoma Spheroids Implanted in Nude Mice. Neoplasia, 1999, 1, 226-230.	5.3	55
52	Magnetic resonance imaging applications in the evaluation of tumor angiogenesis*. Seminars in Radiation Oncology, 2001, 11, 70-82.	2.2	55
53	Functional MRI of the placenta â€“ From rodents to humans. Placenta, 2015, 36, 615-622.	1.5	55
54	Magnetic Resonance Imaging Visualization of Hyaluronidase in Ovarian Carcinoma. Cancer Research, 2005, 65, 10316-10323.	0.9	53

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55	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
56	Imaging aspects of the tumor stroma with therapeutic implications. , 2014, 141, 192-208.		52
57	MRI analysis of angiogenesis during mouse embryo implantation. Magnetic Resonance in Medicine, 2006, 55, 1013-1022.	3.0	48
58	Self-diffusion of water in multicellular spheroids measured by magnetic resonance microimaging. Cancer Research, 1991, 51, 4072-9.	0.9	48
59	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
60	Cellular energetics measured by phosphorous nuclear magnetic resonance spectroscopy are not correlated with chronic nutrient deficiency in multicellular tumor spheroids. Cancer Research, 1991, 51, 3831-7.	0.9	47
61	Early estrogen-induced metabolic changes and their inhibition by actinomycin D and cycloheximide in human breast cancer cells: 31P and 13C NMR studies.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 5585-5589.	7.1	46
62	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
63	Gonadotropin-Regulated Lymphangiogenesis in Ovarian Cancer Is Mediated by LEDGF-Induced Expression of VEGF-C. Cancer Research, 2009, 69, 9306-9314.	0.9	45
64	A Novel Intravital Imaging Window for Longitudinal Microscopy of the Mouse Ovary. Scientific Reports, 2015, 5, 12446.	3.3	45
65	Adaptation of culture methods for NMR studies of anchorage-dependent cells. Magnetic Resonance in Medicine, 1988, 7, 236-242.	3.0	44
66	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
67	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
68	Molecular imaging of angiogenesis. Journal of Magnetic Resonance Imaging, 2007, 25, 1-12.	3.4	41
69	Photodynamic Therapy of Established Prostatic Adenocarcinoma with TOOKAD: A Biphasic Apparent Diffusion Coefficient Change as Potential Early MRI Response Marker. Neoplasia, 2004, 6, 224-233.	5.3	40
70	Hypoxic stress and cancer: imaging the axis of evil in tumor metastasis. NMR in Biomedicine, 2011, 24, 569-581.	2.8	40
71	Functional and molecular MR imaging of angiogenesis: Seeing the target, seeing it work. Journal of Cellular Biochemistry, 2002, 87, 11-17.	2.6	38
72	Visualizing vascular permeability and lymphatic drainage using labeled serum albumin. Angiogenesis, 2010, 13, 75-85.	7.2	37

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73	31P-NMR studies of phosphate transfer rates in T47D human breast cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 930, 179-192.	4.1	36
74	Gonadotropin Stimulation of MLS Human Epithelial Ovarian Carcinoma Cells Augments Cell Adhesion Mediated by CD44 and by Î±v-Integrin. Gynecologic Oncology, 2002, 84, 296-302.	1.4	36
75	Ferritin effect on the transverse relaxation of water: NMR microscopy at 9.4 T. Magnetic Resonance in Medicine, 1996, 35, 514-520.	3.0	35
76	Ferritin nanoparticles as magnetic resonance reporter gene. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 181-188.	6.1	35
77	Ferritin as a reporter gene for MRI: chronic liver over expression of hâ€ferritin during dietary iron supplementation and aging. NMR in Biomedicine, 2010, 23, 523-531.	2.8	35
78	Pulsed-gradient spin-echo diffusion studies in nmr imaging. Effects of the imaging gradients on the determination of diffusion coefficients. Journal of Magnetic Resonance, 1990, 90, 303-312.	0.5	34
79	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
80	Development of Magnetic Resonance Imaging Contrast Material for In vivo Mapping of Tissue Transglutaminase Activity. Cancer Research, 2005, 65, 1369-1375.	0.9	33
81	Feasibility of concurrent dual contrast enhancement using CEST contrast agents and superparamagnetic iron oxide particles. Magnetic Resonance in Medicine, 2009, 61, 970-974.	3.0	33
82	Release of Gelatinase A (Matrix Metalloproteinase 2) Induced by Photolysis of Caged Phosphatidic Acid in HT 1080 Metastatic Fibrosarcoma Cells. Journal of Biological Chemistry, 1995, 270, 29656-29659.	3.4	32
83	Ovarian Dendritic Cells Act as a Double-Edged Pro-Ovulatory and Anti-Inflammatory Sword. Molecular Endocrinology, 2014, 28, 1039-1054.	3.7	32
84	Chemotherapy-induced changes in the energetics of human breast cancer cells; 31P- and 13C-NMR studies. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1052, 255-263.	4.1	31
85	Combined application of dynamic light scattering imaging and fluorescence intravital microscopy in vascular biology. Laser Physics Letters, 0, 7, 603-606.	1.4	30
86	Glucose and Glycine Metabolism in Regenerating Tobacco Protoplasts. Plant Physiology, 1985, 77, 374-378.	4.8	28
87	Whole Organ Blood and Lymphatic Vessels Imaging (WOBLI). Scientific Reports, 2018, 8, 1412.	3.3	28
88	A system for viably maintaining a stirred suspension of multicellular spheroids during NMR spectroscopy. NMR in Biomedicine, 1990, 3, 195-205.	2.8	27
89	Preclinical MRI experience in imaging angiogenesis. Cancer and Metastasis Reviews, 2000, 19, 39-43.	5.9	27
90	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

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91	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
92	Conjugates of daidzein-alliinase as a targeted pro-drug enzyme system against ovarian carcinoma. Journal of Drug Targeting, 2011, 19, 326-335.	4.4	26
93	Lymphatic vessel density and function in experimental bladder cancer. BMC Cancer, 2007, 7, 219.	2.6	25
94	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
95	Proton NMR microscopy of multicellular tumor spheroid morphology. Magnetic Resonance in Medicine, 1990, 16, 380-389.	3.0	25
96	Compartmentation of intracellular water in multicellular tumor spheroids: Diffusion and relaxation NMR. Magnetic Resonance in Medicine, 2001, 46, 68-77.	3.0	24
97	Functional Phenotyping of the Maternal Albumin Turnover in the Mouse Placenta by Dynamic Contrast-Enhanced MRI. Molecular Imaging and Biology, 2011, 13, 481-492.	2.6	24
98	Survival and Size Are Differentially Regulated by Placental and Fetal PKBalpha/AKT1 in Mice1. Biology of Reproduction, 2011, 84, 537-545.	2.7	24
99	MR Imagingâ€“derived Oxygen-Hemoglobin Dissociation Curves and Fetal-Placental Oxygen-Hemoglobin Affinities. Radiology, 2016, 280, 68-77.	7.3	24
100	Placental physiology monitored by hyperpolarized dynamic ¹³ C magnetic resonance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2429-E2436.	7.1	24
101	Treatment with halofuginone results in marked growth inhibition of a von Hippel-Lindau pheochromocytoma in vivo. Clinical Cancer Research, 2003, 9, 3788-93.	7.0	24
102	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
103	Electron spin resonance microscopic imaging of oxygen concentration in cancer spheroids. Journal of Magnetic Resonance, 2015, 256, 77-85.	2.1	23
104	The Role of Heparanase in Lymph Node Metastatic Dissemination: Dynamic Contrast-Enhanced MRI of Eb Lymphoma in Mice. Neoplasia, 2005, 7, 224-233.	5.3	22
105	Novel MRI and fluorescent probes responsive to the Factor XIII transglutaminase activity. Contrast Media and Molecular Imaging, 2010, 5, 213-222.	0.8	22
106	Peritoneal Adhesion and Angiogenesis in Ovarian Carcinoma Are Inversely Regulated by Hyaluronan: The Role of Gonadotropins. Neoplasia, 2010, 12, 51-60.	5.3	22
107	Cloprostenol, a prostaglandin F2Î± analog, induces hypoxia in rat placenta: BOLD contrast MRI. NMR in Biomedicine, 2007, 20, 28-39.	2.8	21
108	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

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109	BACH family members regulate angiogenesis and lymphangiogenesis by modulating VEGFC expression. Life Science Alliance, 2020, 3, e202000666.	2.8	20
110	Cyclocreatine transport and cytotoxicity in rat glioma and human ovarian carcinoma cells: 31P-NMR spectroscopy. American Journal of Physiology - Cell Physiology, 1996, 270, C160-C169.	4.6	19
111	Photodynamic Therapy of Established Prostatic Adenocarcinoma with TOOKAD: A Biphasic Apparent Diffusion Coefficient Change as Potential Early MRI Response Marker. Neoplasia, 2004, 6, 224-233.	5.3	19
112	The antiangiogenic agent linomide inhibits the growth rate of von Hippel-Lindau paraganglioma xenografts to mice. Clinical Cancer Research, 1999, 5, 3669-75.	7.0	19
113	Perfusion of the rat ovary: Application of pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 1999, 41, 113-123.	3.0	17
114	Kinetic analysis of hyaluronidase activity using a bioactive MRI contrast agent. Contrast Media and Molecular Imaging, 2006, 1, 106-112.	0.8	17
115	Quantitative analysis of intravenously administered contrast media reveals changes in vascular barrier functions in a murine colitis model. Magnetic Resonance in Medicine, 2011, 66, 235-243.	3.0	17
116	Genetic manipulation of iron biomineralization enhances MR relaxivity in a ferritin-M6A chimeric complex. Scientific Reports, 2016, 6, 26550.	3.3	17
117	Cyclocreatine accumulation leads to cellular swelling in C6 glioma multicellular spheroids: diffusion and one-dimensional chemical shift nuclear magnetic resonance microscopy. Cancer Research, 1995, 55, 153-8.	0.9	17
118	Longitudinal MRI tracking of the angiogenic response to hind limb ischemic injury in the mouse. Magnetic Resonance in Medicine, 2004, 51, 304-311.	3.0	16
119	Utilizing mitochondrial events as biomarkers for imaging apoptosis. Cell Death and Disease, 2011, 2, e166-e166.	6.3	16
120	Spatial and temporal modulation of perfusion in the rat ovary measured by arterial spin labeling MRI. Journal of Magnetic Resonance Imaging, 1999, 9, 794-803.	3.4	15
121	Bone vascularization and trabecular bone formation are mediated by PKBalpha/Akt1 in a geneâ€dosageâ€dependent manner: In vivo and ex vivo MRI. Magnetic Resonance in Medicine, 2010, 64, 54-64.	3.0	15
122	Modulation of water diffusion during gonadotropin-induced ovulation: nmr microscopy of the ovarian follicle. Magnetic Resonance in Medicine, 1995, 34, 213-218.	3.0	13
123	Non-invasive analysis of rat ovarian angiogenesis by MRI. Molecular and Cellular Endocrinology, 2002, 187, 19-22.	3.2	13
124	Chronic Akt1 Deficiency Attenuates Adverse Remodeling and Enhances Angiogenesis After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2013, 6, 992-1000.	2.6	13
125	Deuterium Magnetic Resonance Imaging and the Discrimination of Fetoplacental Metabolism in Normal and L-NAME-Induced Preeclamptic Mice. Metabolites, 2021, 11, 376.	2.9	13
126	Removable Nanocoatings for siRNA Polyplexes. Bioconjugate Chemistry, 2011, 22, 169-179.	3.6	12

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127	Multimodal Correlative Preclinical Whole Body Imaging and Segmentation. Scientific Reports, 2016, 6, 27940.	3.3	12
128	Blastocyst implantation failure relates to impaired translational machinery gene expression. Reproduction, 2014, 148, 87-98.	2.6	11
129	Genetic and Pharmacological Modulation of Akt1 for Improving Ovarian Graft Revascularization in a Mouse Model1. Biology of Reproduction, 2016, 94, 14.	2.7	11
130	Google maps for tissues: Multiscale imaging of biological systems and disease. Acta Physiologica, 2020, 228, e13392.	3.8	11
131	Harnessing Competing Endocytic Pathways for Overcoming the Tumor-Blood Barrier: Magnetic Resonance Imaging and Near-Infrared Imaging of Bifunctional Contrast Media. Cancer Research, 2009, 69, 5610-5617.	0.9	9
132	Multimodal imaging reveals a role for Akt1 in fetal cardiac development. Physiological Reports, 2013, 1, e00143.	1.7	9
133	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
134	Intravital imaging of vascular anomalies and extracellular matrix remodeling in orthotopic pancreatic tumors. International Journal of Cancer, 2020, 146, 2209-2217.	5.1	9
135	Diffusion Barriers in Pulsedâ€Gradient Spinâ€Echo NMR Microscopy. Israel Journal of Chemistry, 1992, 32, 281-289.	2.3	8
136	Fibroblast recruitment as a tool for ovarian cancer detection and targeted therapy. International Journal of Cancer, 2016, 139, 1788-1798.	5.1	8
137	A macrocyclic 19 F-MR based probe for Mn 2+ sensing. Inorganic Chemistry Communication, 2017, 78, 21-24.	3.9	8
138	Hyaluronan control of the primary vascular barrier during early mouse pregnancy is mediated by uterine NK cells. JCI Insight, 2020, 5, .	5.0	7
139	Perspectives: MRI of angiogenesis. Journal of Magnetic Resonance, 2018, 292, 99-105.	2.1	5
140	Bimodal magnetic resonance and optical imaging of extracellular matrix remodelling by orthotopic ovarian tumours. British Journal of Cancer, 2020, 123, 216-225.	6.4	5
141	Polarization of delayed luminescence emission in magneto-oriented chloroplasts. FEBS Letters, 1981, 134, 221-225.	2.8	4
142	Antivascular Treatment of Solid Melanoma Tumors with Bacteriochlorophyll-serine-based Photodynamic TherapyÂ¶. Photochemistry and Photobiology, 2007, 73, 257-266.	2.5	4
143	Magnetic Resonance Imaging Reveals Distinct Roles for Tissue Transglutaminase and Factor XIII in Maternal Angiogenesis During Early Mouse Pregnancy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1602-1613.	2.4	4
144	NMR Microscopy. , 1994, , 101-118.		4

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145	NMR metabolic studies of human breast cancer cells. , 1987, , 328-341.		4
146	Proton NMR Microscopy of Multicellular Tumor Spheroid Morphology. Magnetic Resonance in Medicine, 1990, 16, 380-389.	3.0	3
147	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. Molecular Imaging, 2015, 14, 7290.2015.00013.	1.4	3
148	Diffusion and perfusion MRI of normal, preeclamptic and growth-restricted mice models reveal clear fetoplacental differences. Scientific Reports, 2020, 10, 16380.	3.3	3
149	Emerging Nanomedical Solutions for Angiogenesis Regulation. Advanced Drug Delivery Reviews, 2017, 119, 1-2.	13.7	2
150	Novel multimodal molecular imaging of Vitamin H (Biotin) transporter activity in the murine placenta. Scientific Reports, 2020, 10, 20767.	3.3	2
151	Magnetic Resonance Microscopy of Water Diffusion and Edema During Hypothermic Preservation of Rat Kidneys. Journal of Urology, 1994, 152, 1287-1291.	0.4	1
152	Combined use of fluorescent and dynamic light scattering imaging for applications in vascular biology. Proceedings of SPIE, 2008, , .	0.8	1
153	AKT1 signaling pathway activation improves angiogenesis of ovarian grafts. Fertility and Sterility, 2012, 98, S69-S70.	1.0	1
154	Multimodal Imaging of the Mouse Placenta. , 2014, , 363-372.		1
155	Assessment of Angiogenesis by MRI. , 1998, , 55-60.		1
156	Imaging in Developmental Biology. , 2011, , 417-436.		1
157	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. Molecular Imaging, 2015, 14, 366-72.	1.4	1
158	Symposia lectures. Journal of Biosciences, 1999, 24, 5-31.	1.1	0
159	Cancer: An Angiogenic Disease?. Annals of Oncology, 2012, 23, ix59.	1.2	0
160	Can statins improve ovarian graft reception?. Fertility and Sterility, 2013, 100, S118.	1.0	0
161	MRI, Intra-vital, and Ex-vivo Fluorescence Microscopy of the Mouse Uterine Vasculature and Placenta. , 2014, , 715-722.		0
162	Sequence alignment of in-utero fetal tissue MRI in mice. , 2014, , .		0

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163	Vascular targeted photodynamic therapy for pancreatic ductal adenocarcinoma: A pre-clinical success. Annals of Oncology, 2018, 29, iii21.	1.2	0
164	Prediction of Ovarian Follicular Dominance by MRI Phenotyping of Hormonally Induced Vascular Remodeling. Frontiers in Medicine, 2021, 8, 711810.	2.6	0
165	Abstract A68: Utilizing fibroblast recruitment for detection of ovarian microtumors in the abdomen. , 2013, , .		0
166	Mapping Neovascularization and Antineovascularization Therapy. , 1998, , 459-473.		0
167	In Vivo Preclinical Imaging of Developmental Biology. , 2017, , 627-650.		0