

Hadassa Degani

List of Publications by Year in descending order

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90
papers

4,189
citations

109321

35
h-index

118850

62
g-index

91
all docs

91
docs citations

91
times ranked

4739
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion Is Directional: Innovative Diffusion Tensor Imaging to Improve Prostate Cancer Detection. <i>Diagnostics</i> , 2021, 11, 563.	2.6	5
2	Effect of IV Administration of a Gadolinium-Based Contrast Agent on Breast Diffusion-Tensor Imaging. <i>American Journal of Roentgenology</i> , 2020, 215, 1030-1036.	2.2	4
3	Quantitative evaluation of breast cancer response to neoadjuvant chemotherapy by diffusion tensor imaging: Initial results. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1080-1090.	3.4	37
4	Monitoring In-Vivo the Mammary Gland Microstructure during Morphogenesis from Lactation to Post-Weaning Using Diffusion Tensor MRI. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2017, 22, 193-202.	2.7	20
5	Estrogen Receptor-Targeted Contrast Agents for Molecular Magnetic Resonance Imaging of Breast Cancer Hormonal Status. <i>Frontiers in Oncology</i> , 2016, 6, 100.	2.8	4
6	Can diffusion tensor anisotropy indices assist in breast cancer detection?. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1624-1632.	3.4	39
7	Overcoming limitations in diffusion-weighted MRI of breast by spatio-temporal encoding. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2163-2173.	3.0	34
8	Diffusion Tensor Magnetic Resonance Imaging of the Pancreas. <i>PLoS ONE</i> , 2014, 9, e115783.	2.5	23
9	Diffusion-Tensor MR Imaging of the Breast: Hormonal Regulation. <i>Radiology</i> , 2014, 271, 672-680.	7.3	53
10	Tracking the Mammary Architectural Features and Detecting Breast Cancer with Magnetic Resonance Diffusion Tensor Imaging. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	18
11	Characterization of estrogen-receptor-targeted contrast agents in solution, breast cancer cells, and tumors in vivo. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 193-206.	3.0	5
12	In vivo magnetic resonance of hyperpolarized [¹³ C ₁]pyruvate: metabolic dynamics in stimulated muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1165-E1171.	3.5	8
13	Parametric Diffusion Tensor Imaging of the Breast. <i>Investigative Radiology</i> , 2012, 47, 284-291.	6.2	87
14	Advantages and drawbacks of breast DTI. <i>European Journal of Radiology</i> , 2012, 81, S45-S47.	2.6	18
15	Clinical results of DTI. <i>European Journal of Radiology</i> , 2012, 81, S151-S152.	2.6	8
16	Structure of Estradiol Metal Chelate and Estrogen Receptor Complex: The Basis for Designing a New Class of Selective Estrogen Receptor Modulators. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3575-3580.	6.4	28
17	<i>In Vivo</i> Magnetic Resonance Imaging of the Estrogen Receptor in an Orthotopic Model of Human Breast Cancer. <i>Cancer Research</i> , 2011, 71, 7387-7397.	0.9	15
18	Principal Component Analysis of Dynamic Contrast Enhanced MRI in Human Prostate Cancer. <i>Investigative Radiology</i> , 2010, 45, 174-181.	6.2	25

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19	Triple-negative breast cancer: Present challenges and new perspectives. <i>Molecular Oncology</i> , 2010, 4, 209-229.	4.6	252
20	Estrogen regulation of vascular endothelial growth factor in breast cancer in vitro and in vivo: the role of estrogen receptor β and c-Myc. <i>Endocrine-Related Cancer</i> , 2009, 16, 819-834.	3.1	33
21	Kinetics of hyperpolarized ^{13}C -pyruvate transport and metabolism in living human breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18131-18136.	7.1	202
22	Principal component analysis of breast DCE-MRI adjusted with a model-based method. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 989-998.	3.4	36
23	Model-based and model-free parametric analysis of breast dynamic contrast-enhanced MRI. <i>NMR in Biomedicine</i> , 2009, 22, 40-53.	2.8	48
24	Non-invasive imaging of barriers to drug delivery in tumors. <i>Microvascular Research</i> , 2008, 76, 94-103.	2.5	31
25	Prostate Cancer: Accurate Determination of Extracapsular Extension with High-Spatial-Resolution Dynamic Contrast-enhanced and T2-weighted MR Imaging—Initial Results. <i>Radiology</i> , 2007, 245, 176-185.	7.3	217
26	Water-Soluble Contrast Agents Targeted at the Estrogen Receptor for Molecular Magnetic Resonance Imaging. <i>Bioconjugate Chemistry</i> , 2007, 18, 1361-1365.	3.6	27
27	Monitoring Breast Cancer Response to Neoadjuvant Systemic Chemotherapy Using Parametric Contrast-Enhanced MRI: A Pilot Study. <i>Academic Radiology</i> , 2007, 14, 561-573.	2.5	44
28	Phosphocholine as a biomarker of breast cancer: Molecular and biochemical studies. <i>International Journal of Cancer</i> , 2007, 120, 1721-1730.	5.1	191
29	Noninvasive Magnetic Resonance Imaging of Transport and Interstitial Fluid Pressure in Ectopic Human Lung Tumors. <i>Cancer Research</i> , 2006, 66, 4159-4166.	0.9	68
30	The application of NMR in tumor angiogenesis research. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2006, 49, 27-44.	7.5	15
31	Vascular perfusion of human lung cancer in a rat orthotopic model using dynamic contrast-enhanced magnetic resonance imaging. <i>International Journal of Cancer</i> , 2006, 119, 365-372.	5.1	3
32	Real-time Imaging of Lymphogenic Metastasis in Orthotopic Human Breast Cancer. <i>Cancer Research</i> , 2006, 66, 8037-8041.	0.9	72
33	Inhibition of Tumor Growth and Elimination of Multiple Metastases in Human Prostate and Breast Xenografts by Systemic Inoculation of a Host Defense-Like Lytic Peptide. <i>Cancer Research</i> , 2006, 66, 5371-5378.	0.9	122
34	Direct detection of brain acetylcholine synthesis by magnetic resonance spectroscopy. <i>Brain Research</i> , 2005, 1048, 202-210.	2.2	19
35	Magnetic resonance imaging reveals functional diversity of the vasculature in benign and malignant breast lesions. <i>Cancer</i> , 2005, 104, 708-718.	4.1	89
36	Sodium magnetic resonance imaging of diuresis: Spatial and kinetic response. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 545-552.	3.0	42

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37	High-Resolution Magnetic Resonance Imaging of Disparities in the Transcapillary Transfer Rates in Orthotopically Inoculated Invasive Breast Tumors. <i>Cancer Research</i> , 2004, 64, 3155-3161.	0.9	33
38	Functional sodium magnetic resonance imaging of the intact rat kidney. <i>Kidney International</i> , 2004, 65, 927-935.	5.2	50
39	Water diffusion in the different microenvironments of breast cancer. <i>NMR in Biomedicine</i> , 2004, 17, 170-180.	2.8	73
40	Glycolysis and glucose transporter 1 as markers of response to hormonal therapy in breast cancer. <i>International Journal of Cancer</i> , 2003, 107, 177-182.	5.1	71
41	Parametric MRI of Water Diffusion in Breast Cancer. <i>Israel Journal of Chemistry</i> , 2003, 43, 103-114.	2.3	2
42	Magnetic resonance imaging of tumor vasculature. <i>Thrombosis and Haemostasis</i> , 2003, 89, 25-33.	3.4	35
43	Clinical Testing of High-Spatial-Resolution Parametric Contrast-Enhanced MR Imaging of the Breast. <i>American Journal of Roentgenology</i> , 2002, 179, 1485-1492.	2.2	81
44	Parametric Analysis of Breast MRI. <i>Journal of Computer Assisted Tomography</i> , 2002, 26, 376-386.	0.9	47
45	Parametric Imaging of Tumor Perfusion with Deuterium Magnetic Resonance Imaging. <i>Microvascular Research</i> , 2002, 64, 104-115.	2.5	11
46	Glycolysis as a metabolic marker in orthotopic breast cancer, monitored by in vivo ¹³ C MRS. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E623-E630.	3.5	48
47	Choline in the aging brain. <i>Brain Research</i> , 2002, 951, 158-165.	2.2	26
48	Parametric imaging of tumor perfusion using flow- and permeability-limited tracers. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 289-299.	3.4	38
49	Hormonal regulation of VEGF in orthotopic MCF7 human breast cancer. <i>Cancer Research</i> , 2002, 62, 1948-51.	0.9	48
50	Metabolic markers of breast cancer: enhanced choline metabolism and reduced choline-ether-phospholipid synthesis. <i>Cancer Research</i> , 2002, 62, 1966-70.	0.9	171
51	Critical role of spatial resolution in dynamic contrast-enhanced breast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 862-867.	3.4	52
52	Glucose transporters and transport kinetics in retinoic acid-differentiated T47D human breast cancer cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E508-E519.	3.5	36
53	Kinetics of cyclocreatine and Na ⁺ cotransport in human breast cancer cells: mechanism of activity. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C708-C716.	4.6	11
54	Breast Fibroadenoma: Mapping of Pathophysiologic Features with Three-Time-Point, Contrast-enhanced MR Imaging – Pilot Study. <i>Radiology</i> , 1999, 210, 233-240.	7.3	66

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55	Altered brain glucose metabolism in transgenic-PFKL mice with elevated l-phosphofructokinase: in vivo NMR studies. <i>Brain Research</i> , 1998, 810, 138-145.	2.2	24
56	High resolution MRI of MCF7 human breast tumors: Complemented use of iron oxide microspheres and Gd-DTPA. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 634-641.	3.4	12
57	TNF-induced modulations of phospholipid metabolism in human breast cancer cells. <i>Lipids and Lipid Metabolism</i> , 1998, 1392, 217-232.	2.6	36
58	Reversible Induction of ATP Synthesis by DNA Damage and Repair in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 30232-30238.	3.4	27
59	Enhancement of ATP Levels and Glucose Metabolism during an Infection by <i>Chlamydia</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 7052-7058.	3.4	86
60	Mapping pathophysiological features of breast tumors by MRI at high spatial resolution. <i>Nature Medicine</i> , 1997, 3, 780-782.	30.7	263
61	Evaluation of the anticancer action of a permanently charged tamoxifen derivative, tamoxifen methiodide: an MRI study. <i>International Journal of Pharmaceutics</i> , 1997, 153, 147-157.	5.2	4
62	Quantitative diffusion imaging in implanted human breast tumors. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 576-581.	3.0	67
63	Dynamic Contrast-Enhanced Imaging and Analysis at High Spatial Resolution of MCF7 Human Breast Tumors. <i>Journal of Magnetic Resonance</i> , 1997, 128, 161-171.	2.1	44
64	Angiogenic response of MCF7 human breast cancer to hormonal treatment: Assessment by dynamic GdDTPA-enhanced MRI at high spatial resolution. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 195-202.	3.4	23
65	Simultaneous extraction of cellular lipids and water-soluble metabolites: Evaluation by NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 194-200.	3.0	135
66	¹³ C NMR kinetic studies of the rapid stimulation of glucose metabolism by estrogen in immature rat uterus. <i>NMR in Biomedicine</i> , 1994, 7, 209-217.	2.8	8
67	Magnetic resonance imaging and spectroscopy of MCF7 human breast cancer: Pathophysiology and monitoring of treatment. <i>Clinica Chimica Acta</i> , 1994, 228, 19-33.	1.1	22
68	Breast Cancer: Spectroscopy and Imaging of Cells and Tumors. , 1994, , 329-351.		17
69	Signaling Mechanisms Controlled by Melanocortins in Melanoma, Lacrimal, and Brain Astroglial Cells. <i>Annals of the New York Academy of Sciences</i> , 1993, 680, 364-380.	3.8	13
70	Determination of the Response of Melanoma Cells to Melanocyte Stimulating Hormone By ³¹ P Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Receptors and Signal Transduction</i> , 1993, 13, 55-68.	1.2	1
71	Gene dosage and down's syndrome: Metabolic and enzymatic changes in PC12 cells overexpressing transfected human liver-type phosphofructokinase. <i>Somatic Cell and Molecular Genetics</i> , 1992, 18, 143-161.	0.7	21
72	The application of ¹³ C NMR to the characterization of phospholipid metabolism in cells. <i>Magnetic Resonance in Medicine</i> , 1992, 25, 384-389.	3.0	24

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73	Correlation of MR imaging and histologic findings in mouse melanoma. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 695-700.	3.4	26
74	Polyphosphate metabolism in the alga <i>Dunaliella salina</i> studied by ³¹ P-NMR. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1092, 21-28.	4.1	38
75	Phosphate metabolites and steroid hormone receptors of benign and malignant breast tumors. A nuclear magnetic resonance study. <i>Cancer</i> , 1991, 67, 2919-2925.	4.1	30
76	In Vivo Studies by Magnetic Resonance Imaging and Spectroscopy of the Response to Tamoxifen of MCF7 Human Breast Cancer Implanted in Nude Mice. <i>European Journal of Implant and Refractive Surgery</i> , 1991, 3, 287-297.	0.3	30
77	Metabolic studies with NMR spectroscopy of the alga <i>Dunaliella salina</i> trapped within agarose beads. <i>FEBS Journal</i> , 1990, 188, 111-116.	0.2	48
78	The role of intracellular orthophosphate in triggering osmoregulation in the alga <i>Dunaliella salina</i> . <i>FEBS Journal</i> , 1990, 188, 117-122.	0.2	23
79	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
80	³¹ P and ¹³ C-NMR Studies of the Phosphorus and Carbon Metabolites in the Halotolerant Alga, <i>Dunaliella salina</i> . <i>Plant Physiology</i> , 1988, 87, 320-324.	4.8	21
81	Effects of ¹⁷ O ² -Estradiol on High Energy Phosphate Concentrations and the Flux Catalyzed by Creatine Kinase in Immature Rat Uteri: ³¹ P Nuclear Magnetic Resonance Studies*. <i>Endocrinology</i> , 1988, 122, 1631-1638.	2.8	20
82	²³ Na-NMR Studies of the Intracellular Sodium Ion Concentration in the Halotolerant Alga <i>Dunaliella salina</i> . <i>Plant Physiology</i> , 1988, 87, 813-817.	4.8	48
83	¹³ C- and ¹ H-NMR studies of osmoregulation in <i>Dunaliella</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1985, 846, 313-323.	4.1	32
84	Permeability of alkylamines across phosphatidylcholine vesicles as studied by ¹ H-NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 813, 207-212.	2.6	15
85	Antibiotic Ionophores. , 1983, , 249-287.		0
86	Ionic permeabilities of membranes. <i>FEBS Letters</i> , 1978, 90, 357-360.	2.8	65
87	NMR kinetic studies of the ionophore X-537A-mediated transport of manganous ions across phospholipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978, 508, 364-369.	2.6	26
88	Kinetics of monensin complexation with sodium ions by ²³ Na NMR spectroscopy. <i>Biophysical Chemistry</i> , 1977, 6, 345-349.	2.8	16
89	Ion binding by X-537A. Rates of complexation of Ni ²⁺ ion and Mn ²⁺ ion in methanol. <i>Biochemistry</i> , 1975, 14, 3755-3761.	2.5	18
90	II. Effects of ionophorous antibiotics in chloroplasts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1970, 216, 208-219.	1.0	34