

John Kurhanewicz

List of Publications by Year in descending order

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134
papers

9,889
citations

41344

49
h-index

37204

96
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137
all docs

137
docs citations

137
times ranked

6906
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical translation of hyperpolarized ¹³ C pyruvate and urea MRI for simultaneous metabolic and perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 138-149.	3.0	23
2	Identification of prostate cancer using multiparametric MR imaging characteristics of prostate tissues referenced to whole mount histopathology. <i>Magnetic Resonance Imaging</i> , 2022, 85, 251-261.	1.8	7
3	Hyperpolarized 1-[¹³ C]-Pyruvate Magnetic Resonance Imaging Detects an Early Metabolic Response to Immune Checkpoint Inhibitor Therapy in Prostate Cancer. <i>European Urology</i> , 2022, 81, 219-221.	1.9	17
4	Development of specialized magnetic resonance acquisition techniques for human hyperpolarized [¹³ C], [¹⁵ N] ₂ urea + [¹³ C] pyruvate simultaneous perfusion and metabolic imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1039-1054.	3.0	11
5	Hyperpolarized ¹³ C MRI data acquisition and analysis in prostate and brain at University of California, San Francisco. <i>NMR in Biomedicine</i> , 2021, 34, e4280.	2.8	30
6	False positive PSMA PET for tumor remnants in the irradiated prostate and other interpretation pitfalls in a prospective multi-center trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 501-508.	6.4	30
7	Using Hyperpolarized NMR to Understand Biochemistry from Cells to Humans. , 2021, , 123-149.		1
8	Modeling hyperpolarized lactate signal dynamics in cells, patient-derived tissue slice cultures and murine models. <i>NMR in Biomedicine</i> , 2021, 34, e4467.	2.8	5
9	Resistance to Androgen Deprivation Leads to Altered Metabolism in Human and Murine Prostate Cancer Cell and Tumor Models. <i>Metabolites</i> , 2021, 11, 139.	2.9	13
10	Tumor metabolism and neurocognition in CNS lymphoma. <i>Neuro-Oncology</i> , 2021, 23, 1668-1679.	1.2	9
11	Magnetic resonance biomarkers in radiation oncology: The report of AAPM Task Group 294. <i>Medical Physics</i> , 2021, 48, e697-e732.	3.0	16
12	Specialized computational methods for denoising, B1 correction, and kinetic modeling in hyperpolarized ¹³ C MR EPSI studies of liver tumors. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2402-2411.	3.0	6
13	Hyperpolarized ¹³ C-pyruvate MRI detects real-time metabolic flux in prostate cancer metastases to bone and liver: a clinical feasibility study. <i>Prostate Cancer and Prostatic Diseases</i> , 2020, 23, 269-276.	3.9	68
14	Simultaneous Metabolic and Perfusion Imaging Using Hyperpolarized ¹³ C MRI Can Evaluate Early and Dose-Dependent Response to Radiation Therapy in a Prostate Cancer Mouse Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 887-896.	0.8	18
15	Tensor image enhancement and optimal multichannel receiver combination analyses for human hyperpolarized ¹³ C MRSI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3351-3365.	3.0	27
16	Elevated Tumor Lactate and Efflux in High-grade Prostate Cancer demonstrated by Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy of Prostate Tissue Slice Cultures. <i>Cancers</i> , 2020, 12, 537.	3.7	14
17	Assessing high-intensity focused ultrasound treatment of prostate cancer with hyperpolarized ¹³ C dual-agent imaging of metabolism and perfusion. <i>NMR in Biomedicine</i> , 2019, 32, e3962.	2.8	10
18	Amino Acid-Derived Sensors for Specific Zn ²⁺ Detection Using Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy. <i>Chemistry - A European Journal</i> , 2019, 25, 11842-11846.	3.3	8

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19	Zero-field nuclear magnetic resonance of chemically exchanging systems. <i>Nature Communications</i> , 2019, 10, 3002.	12.8	36
20	First hyperpolarized [2- ¹³ C]pyruvate MR studies of human brain metabolism. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106617.	2.1	63
21	Coil combination methods for multi-channel hyperpolarized ¹³ C imaging data from human studies. <i>Journal of Magnetic Resonance</i> , 2019, 301, 73-79.	2.1	27
22	Using bidirectional chemical exchange for improved hyperpolarized [¹³ C]bicarbonate pH imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 959-972.	3.0	8
23	The Role of Lactate Metabolism in Prostate Cancer Progression and Metastases Revealed by Dual-Agent Hyperpolarized ¹³ C MRSI. <i>Cancers</i> , 2019, 11, 257.	3.7	41
24	Hyperpolarized ¹³ C MRI: State of the Art and Future Directions. <i>Radiology</i> , 2019, 291, 273-284.	7.3	210
25	Pulse sequence considerations for quantification of pyruvate to lactate conversion <i>in vivo</i> in hyperpolarized ¹³ C imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4052.	2.8	13
26	NMR quantification of lactate production and efflux and glutamate fractional enrichment in living human prostate biopsies cultured with [1,6- ¹³ C] ₂ glucose. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 566-576.	3.0	7
27	Measuring Dynamic Changes in the Labile Iron Pool in Vivo with a Reactivity-Based Probe for Positron Emission Tomography. <i>ACS Central Science</i> , 2019, 5, 727-736.	11.3	38
28	Hyperpolarized ¹³ C MRI: Path to Clinical Translation in Oncology. <i>Neoplasia</i> , 2019, 21, 1-16.	5.3	316
29	Phase I Study of CTT1057, an ¹⁸ F-Labeled Imaging Agent with Phosphoramidate Core Targeting Prostate-Specific Membrane Antigen in Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2019, 60, 910-916.	5.0	35
30	Dynamic diffusion-weighted hyperpolarized ¹³ C imaging based on a slice-selective double spin echo sequence for measurements of cellular transport. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2001-2010.	3.0	4
31	Translation of Carbon- ¹³ EPI for hyperpolarized MR molecular imaging of prostate and brain cancer patients. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2702-2709.	3.0	65
32	Hyperpolarized <i>in vivo</i> pH imaging reveals grade-dependent acidification in prostate cancer. <i>Oncotarget</i> , 2019, 10, 6096-6110.	1.8	16
33	In vivo hyperpolarization transfer in a clinical MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 480-487.	3.0	7
34	Technique development of 3D dynamic CS-EPI for hyperpolarized ¹³ C pyruvate MR molecular imaging of human prostate cancer. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2062-2072.	3.0	47
35	Non-invasive detection of divergent metabolic signals in insulin deficiency vs. insulin resistance <i>in vivo</i> . <i>Scientific Reports</i> , 2018, 8, 2088.	3.3	18
36	Detection of Bacteria-Specific Metabolism Using Hyperpolarized [2- ¹³ C]Pyruvate. <i>ACS Infectious Diseases</i> , 2018, 4, 797-805.	3.8	13

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37	Development of methods and feasibility of using hyperpolarized carbon-13 imaging data for evaluating brain metabolism in patient studies. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 864-873.	3.0	134
38	Direct assessment of renal mitochondrial redox state using hyperpolarized ¹³ C-acetoacetate. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1862-1869.	3.0	25
39	Sensitivity enhancement for detection of hyperpolarized ¹³ C MRI probes with ¹ H spin coupling introduced by enzymatic transformation in vivo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 36-41.	3.0	9
40	Investigation of analysis methods for hyperpolarized ¹³ C-pyruvate metabolic MRI in prostate cancer patients. <i>NMR in Biomedicine</i> , 2018, 31, e3997.	2.8	77
41	Phase I study of dose escalation to dominant intraprostatic lesions using high-dose-rate brachytherapy. <i>Journal of Contemporary Brachytherapy</i> , 2018, 10, 193-201.	0.9	12
42	Non-Invasive Assessment of Lactate Production and Compartmentalization in Renal Cell Carcinomas Using Hyperpolarized ¹³ C Pyruvate MRI. <i>Cancers</i> , 2018, 10, 313.	3.7	22
43	Imaging glutathione depletion in the rat brain using ascorbate-derived hyperpolarized MR and PET probes. <i>Scientific Reports</i> , 2018, 8, 7928.	3.3	20
44	Molecular detection of inflammation in cell models using hyperpolarized ¹³ C-pyruvate. <i>Theranostics</i> , 2018, 8, 3400-3407.	10.0	19
45	Measuring glucocorticoid receptor expression <i>in vivo</i> with PET. <i>Oncotarget</i> , 2018, 9, 20399-20408.	1.8	8
46	Multiband spectral-spatial RF excitation for hyperpolarized [¹³ C]dihydroxyacetone ¹³ C-MR metabolism studies. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1419-1428.	3.0	14
47	Combining hyperpolarized ¹³ C MRI with a liver-specific gadolinium contrast agent for selective assessment of hepatocyte metabolism. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2356-2363.	3.0	13
48	Detection of localized changes in the metabolism of hyperpolarized gluconeogenic precursors ¹³ C-lactate and ¹³ C-pyruvate in kidney and liver. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1429-1437.	3.0	35
49	Development of high resolution 3D hyperpolarized carbon-13 MR molecular imaging techniques. <i>Magnetic Resonance Imaging</i> , 2017, 38, 152-162.	1.8	20
50	Improved multiparametric MRI discrimination between low-risk prostate cancer and benign tissues in a small cohort of 5 α -reductase inhibitor treated individuals as compared with an untreated cohort. <i>NMR in Biomedicine</i> , 2017, 30, e3696.	2.8	11
51	Assessing Prostate Cancer Aggressiveness with Hyperpolarized Dual-Agent 3D Dynamic Imaging of Metabolism and Perfusion. <i>Cancer Research</i> , 2017, 77, 3207-3216.	0.9	60
52	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , 2017, 7, 44792.	3.3	63
53	Characterization and stratification of prostate lesions based on comprehensive multiparametric MRI using detailed whole-mount histopathology as a reference standard. <i>NMR in Biomedicine</i> , 2017, 30, e3796.	2.8	19
54	Unsaturation level decreased in bone marrow fat of postmenopausal women with low bone density using high resolution magic angle spinning (HRMAS) ¹ H NMR spectroscopy. <i>Bone</i> , 2017, 105, 87-92.	2.9	26

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55	Hyperpolarized ¹³ C magnetic resonance evaluation of renal ischemia reperfusion injury in a murine model. <i>NMR in Biomedicine</i> , 2017, 30, e3765.	2.8	27
56	Cancer recurrence monitoring using hyperpolarized [1- ¹³ C]pyruvate metabolic imaging in murine breast cancer model. <i>Magnetic Resonance Imaging</i> , 2017, 43, 105-109.	1.8	13
57	Hyperpolarized 1-[¹³ C]-Pyruvate Magnetic Resonance Imaging Detects an Early Metabolic Response to Androgen Ablation Therapy in Prostate Cancer. <i>European Urology</i> , 2017, 72, 1028-1029.	1.9	127
58	Spectrally selective three-dimensional dynamic balanced steady-state free precession for hyperpolarized ¹³ C metabolic imaging with spectrally selective radiofrequency pulses. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 963-975.	3.0	26
59	¹⁸ F Fluorocholine Dynamic Time-of-Flight PET/MR Imaging in Patients with Newly Diagnosed Intermediate- to High-Risk Prostate Cancer: Initial Clinical-Pathologic Comparisons. <i>Radiology</i> , 2017, 282, 429-436.	7.3	15
60	Monitoring acute metabolic changes in the liver and kidneys induced by fructose and glucose using hyperpolarized [¹³ C]dihydroxyacetone. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 65-73.	3.0	28
61	Model-based feasibility assessment and evaluation of prostate hyperthermia with a commercial MR-guided endorectal HIFU ablation array. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
62	Impact of the integration of proton magnetic resonance imaging spectroscopy to PI-RADS 2 for prediction of high grade and high stage prostate cancer. <i>Radiologia Brasileira</i> , 2017, 50, 299-307.	0.7	11
63	Hyperpolarized [¹³ C]ketobutyrate, a molecular analog of pyruvate with modified specificity for LDH isoforms. <i>Magnetic Resonance in Medicine</i> , 2016, 75, spcone-spcone.	3.0	0
64	Hyperpolarized [¹³ C]ketobutyrate, a molecular analog of pyruvate with modified specificity for LDH isoforms. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1894-1900.	3.0	10
65	Separation of extra- and intracellular metabolites using hyperpolarized ¹³ C diffusion weighted MR. <i>Journal of Magnetic Resonance</i> , 2016, 270, 115-123.	2.1	19
66	Practical aspects of prostate MRI: hardware and software considerations, protocols, and patient preparation. <i>Abdominal Radiology</i> , 2016, 41, 817-830.	2.1	12
67	High-Resolution 3-T Endorectal Prostate MRI: A Multireader Study of Radiologist Preference and Perceived Interpretive Quality of 2D and 3D T2-Weighted Fast Spin-Echo MR Images. <i>American Journal of Roentgenology</i> , 2016, 206, 86-91.	2.2	25
68	Caged [¹⁸ F]FDG Glycosylamines for Imaging Acidic Tumor Microenvironments Using Positron Emission Tomography. <i>Bioconjugate Chemistry</i> , 2016, 27, 170-178.	3.6	38
69	Non-Invasive Differentiation of Benign Renal Tumors from Clear Cell Renal Cell Carcinomas Using Clinically Translatable Hyperpolarized ¹³ C Pyruvate Magnetic Resonance. <i>Tomography</i> , 2016, 2, 35-42.	1.8	26
70	Imaging Renal Urea Handling in Rats at Millimeter Resolution Using Hyperpolarized Magnetic Resonance Relaxometry. <i>Tomography</i> , 2016, 2, 125-137.	1.8	31
71	Metabolic response of prostate cancer to nicotinamide phosphoribosyltransferase inhibition in a hyperpolarized MR/PET compatible bioreactor. <i>Prostate</i> , 2015, 75, 1601-1609.	2.3	30
72	Real-time measurement of hyperpolarized lactate production and efflux as a biomarker of tumor aggressiveness in an MR compatible 3D cell culture bioreactor. <i>NMR in Biomedicine</i> , 2015, 28, 1141-1149.	2.8	43

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73	Rapid in vivo apparent diffusion coefficient mapping of hyperpolarized ¹³ C metabolites. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 622-633.	3.0	27
74	Noninvasive In Vivo Imaging of Diabetes-Induced Renal Oxidative Stress and Response to Therapy Using Hyperpolarized ¹³ C Dehydroascorbate Magnetic Resonance. <i>Diabetes</i> , 2015, 64, 344-352.	0.6	59
75	Dynamic UltraFast 2D EXchange Spectroscopy (UF-EXSY) of hyperpolarized substrates. <i>Journal of Magnetic Resonance</i> , 2015, 257, 102-109.	2.1	9
76	Reduced-FOV excitation decreases susceptibility artifact in diffusion-weighted MRI with endorectal coil for prostate cancer detection. <i>Magnetic Resonance Imaging</i> , 2015, 33, 56-62.	1.8	86
77	The changing role of imaging in clinical care. <i>Nature Reviews Urology</i> , 2014, 11, 75-77.	3.8	3
78	Model-based feasibility assessment and evaluation of prostate hyperthermia with a commercial MR-guided endorectal HIFU ablation array. <i>Medical Physics</i> , 2014, 41, 033301.	3.0	19
79	High resolution ¹³ C MRI With Hyperpolarized Urea: In Vivo Mapping and ¹⁵ N Labeling Effects. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 362-371.	8.9	77
80	The role of magnetic resonance imaging (MRI) in focal therapy for prostate cancer: recommendations from a consensus panel. <i>BJU International</i> , 2014, 113, 218-227.	2.5	80
81	Simultaneous multiagent hyperpolarized ¹³ C perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1599-1609.	3.0	50
82	Hyperpolarized ¹³ C MR for Molecular Imaging of Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1567-1572.	5.0	58
83	OCT1 is a high-capacity thiamine transporter that regulates hepatic steatosis and is a target of metformin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9983-9988.	7.1	203
84	Role of endorectal MR imaging and MR spectroscopic imaging in defining treatable intraprostatic tumor foci in prostate cancer: Quantitative analysis of imaging contour compared to whole-mount histopathology. <i>Radiotherapy and Oncology</i> , 2014, 110, 303-308.	0.6	39
85	A domain constrained deformable (DoCD) model for co-registration of pre- and post-radiated prostate MRI. <i>Neurocomputing</i> , 2014, 144, 3-12.	5.9	5
86	Diffusion MR of hyperpolarized ¹³ C molecules in solution. <i>Analyst, The</i> , 2013, 138, 1011.	3.5	31
87	Hyperpolarized ¹³ C-Pyruvate Magnetic Resonance Reveals Rapid Lactate Export in Metastatic Renal Cell Carcinomas. <i>Cancer Research</i> , 2013, 73, 529-538.	0.9	95
88	Metabolic Imaging of Patients with Prostate Cancer Using Hyperpolarized [1- ¹³ C]Pyruvate. <i>Science Translational Medicine</i> , 2013, 5, 198ra108.	12.4	1,061
89	Combined parallel and partial fourier MR reconstruction for accelerated 8-channel hyperpolarized carbon-13 in vivo magnetic resonance Spectroscopic imaging (MRSI). <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 701-713.	3.4	34
90	Metabolic Reprogramming and Validation of Hyperpolarized ¹³ C Lactate as a Prostate Cancer Biomarker Using a Human Prostate Tissue Slice Culture Bioreactor. <i>Prostate</i> , 2013, 73, 1171-1181.	2.3	93

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91	Does Local Recurrence of Prostate Cancer After Radiation Therapy Occur at the Site of Primary Tumor? Results of a Longitudinal MRI and MRSI Study. International Journal of Radiation Oncology Biology Physics, 2012, 82, e787-e793.	0.8	182
92	Generating contrast in hyperpolarized ¹³ C MRI using ligand-receptor interactions. Analyst, The, 2012, 137, 3427.	3.5	20
93	Multiparametric 3T endorectal mri after external beam radiation therapy for prostate cancer. Journal of Magnetic Resonance Imaging, 2012, 36, 430-437.	3.4	43
94	A Hydrogen Peroxide-Responsive Hyperpolarized ¹³ C MRI Contrast Agent. Journal of the American Chemical Society, 2011, 133, 3776-3779.	13.7	97
95	Analysis of Cancer Metabolism by Imaging Hyperpolarized Nuclei: Prospects for Translation to Clinical Research. Neoplasia, 2011, 13, 81-97.	5.3	623
96	¹³ C-Pyruvate Imaging Reveals Alterations in Glycolysis that Precede c-Myc-Induced Tumor Formation and Regression. Cell Metabolism, 2011, 14, 131-142.	16.2	210
97	CADOnC: An integrated toolkit for evaluating radiation therapy related changes in the prostate using multiparametric MRI. , 2011, 2011, 2095-2098.		6
98	A pilot study of endorectal magnetic resonance imaging and magnetic resonance spectroscopic imaging changes with dutasteride in patients with low risk prostate cancer. BJU International, 2011, 108, E164-E170.	2.5	8
99	In vivo measurement of normal rat intracellular pyruvate and lactate levels after injection of hyperpolarized [1- ¹³ C]alanine. Magnetic Resonance Imaging, 2011, 29, 1035-1040.	1.8	34
100	Imaging of blood flow using hyperpolarized [¹³ C]Urea in preclinical cancer models. Journal of Magnetic Resonance Imaging, 2011, 33, 692-697.	3.4	105
101	Fast dynamic 3D MR spectroscopic imaging with compressed sensing and multiband excitation pulses for hyperpolarized ¹³ C studies. Magnetic Resonance in Medicine, 2011, 65, 610-619.	3.0	181
102	Human prostate cancer ZIP1/zinc/citrate genetic/metabolic relationship in the TRAMP prostate cancer animal model. Cancer Biology and Therapy, 2011, 12, 1078-1084.	3.4	47
103	Hyperpolarized ¹³ C dehydroascorbate as an endogenous redox sensor for in vivo metabolic imaging. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18606-18611.	7.1	143
104	Metabolic, pathologic, and genetic analysis of prostate tissues: quantitative evaluation of histopathologic and mRNA integrity after HR-MAS spectroscopy. NMR in Biomedicine, 2010, 23, 391-398.	2.8	32
105	Post-processing correction of the endorectal coil reception effects in MR spectroscopic imaging of the prostate. Journal of Magnetic Resonance Imaging, 2010, 32, 654-662.	3.4	17
106	Hyperpolarized ¹³ C spectroscopy and an NMR-compatible bioreactor system for the investigation of real-time cellular metabolism. Magnetic Resonance in Medicine, 2010, 63, 322-329.	3.0	67
107	3D compressed sensing for highly accelerated hyperpolarized ¹³ C MRSI with in vivo applications to transgenic mouse models of cancer. Magnetic Resonance in Medicine, 2010, 63, 312-321.	3.0	126
108	Investigation of tumor hyperpolarized [1- ¹³ C]-pyruvate dynamics using time-resolved multiband RF excitation echo-planar MRSI. Magnetic Resonance in Medicine, 2010, 63, 582-591.	3.0	85

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109	Kinetic modeling of hyperpolarized ¹³ C ₁ -pyruvate metabolism in normal rats and TRAMP mice. Journal of Magnetic Resonance, 2010, 202, 85-92.	2.1	160
110	Multi-compound polarization by DNP allows simultaneous assessment of multiple enzymatic activities in vivo. Journal of Magnetic Resonance, 2010, 205, 141-147.	2.1	154
111	Prostate Cancer Managed with Active Surveillance: Role of Anatomic MR Imaging and MR Spectroscopic Imaging. Radiology, 2010, 256, 176-183.	7.3	116
112	Noninvasive Detection of Target Modulation following Phosphatidylinositol 3-Kinase Inhibition Using Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy. Cancer Research, 2010, 70, 1296-1305.	0.9	145
113	Generation of hyperpolarized substrates by secondary labeling with [1,1- ¹³ C] acetic anhydride. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5503-5507.	7.1	46
114	Evaluation of the ERETIC method as an improved quantitative reference for ¹ H HR-MAS spectroscopy of prostate tissue. Magnetic Resonance in Medicine, 2009, 61, 525-532.	3.0	62
115	Methods for metabolic evaluation of prostate cancer cells using proton and ¹³ C HR-MAS spectroscopy and [³ - ¹³ C] pyruvate as a metabolic substrate. Magnetic Resonance in Medicine, 2009, 62, 1091-1098.	3.0	24
116	Evaluation of lactate and alanine as metabolic biomarkers of prostate cancer using ¹ H HR-MAS spectroscopy of biopsy tissues. Magnetic Resonance in Medicine, 2008, 60, 510-516.	3.0	189
117	Pulse sequence for dynamic volumetric imaging of hyperpolarized metabolic products. Journal of Magnetic Resonance, 2008, 193, 139-146.	2.1	116
118	Advances in MR Spectroscopy of the Prostate. Magnetic Resonance Imaging Clinics of North America, 2008, 16, 697-710.	1.1	94
119	Hyperpolarized ¹³ C Lactate, Pyruvate, and Alanine: Noninvasive Biomarkers for Prostate Cancer Detection and Grading. Cancer Research, 2008, 68, 8607-8615.	0.9	527
120	Multiparametric magnetic resonance imaging in prostate cancer: present and future. Current Opinion in Urology, 2008, 18, 71-77.	1.8	198
121	Quantitative analysis of prostate metabolites using ¹ H HR-MAS spectroscopy. Magnetic Resonance in Medicine, 2006, 55, 1257-1264.	3.0	242
122	Correlation of HR-MAS Spectroscopy Derived Metabolite Concentrations With Collagen and Proteoglycan Levels and Thompson Grade in the Degenerative Disc. Spine, 2005, 30, 2683-2688.	2.0	31
123	Proton HR-MAS spectroscopy and quantitative pathologic analysis of MRI/ ³ D-MRSI-targeted postsurgical prostate tissues. Magnetic Resonance in Medicine, 2003, 50, 944-954.	3.0	223
124	Combined magnetic resonance imaging and spectroscopic imaging approach to molecular imaging of prostate cancer. Journal of Magnetic Resonance Imaging, 2002, 16, 451-463.	3.4	338
125	Single-voxel oversampled J-resolved spectroscopy of in vivo human prostate tissue. Magnetic Resonance in Medicine, 2001, 45, 973-980.	3.0	64
126	Time-dependent effects of hormone-deprivation therapy on prostate metabolism as detected by combined magnetic resonance imaging and 3D magnetic resonance spectroscopic imaging. Magnetic Resonance in Medicine, 2001, 46, 49-57.	3.0	120

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127	Dualband spectral-spatial RF pulses for prostate MR spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 1079-1087.	3.0	103
128	Magnetic Resonance Imaging and Spectroscopic Imaging of Prostate Cancer. <i>Cancer Investigation</i> , 2001, 19, 510-523.	1.3	27
129	Clinical application of BASING and spectral/spatial water and lipid suppression pulses for prostate cancer staging and localization by in vivo 3D1H magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 17-22.	3.0	109
130	Improved solvent suppression and increased spatial excitation bandwidths for three-dimensional press CSI using phase-compensating spectral/spatial spin-echo pulses. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 745-757.	3.4	71
131	Improved water and lipid suppression for 3D PRESS CSI using rf band selective inversion with gradient dephasing (basing). <i>Magnetic Resonance in Medicine</i> , 1997, 38, 311-321.	3.0	195
132	High spatial resolution and speed in MRSI. , 1997, 10, 411-422.		59
133	31P magnetic resonance spectroscopy after combined hyperthermia and radiation. <i>Current Eye Research</i> , 1994, 13, 151-156.	1.5	5
134	31P spectroscopy of the human prostate gland in vivo using a transrectal probe. <i>Magnetic Resonance in Medicine</i> , 1991, 22, 404-413.	3.0	48