

# Daniel B Vigneron

## List of Publications by Year in descending order

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121  
papers

8,403  
citations

57758

44  
h-index

48315

88  
g-index

121  
all docs

121  
docs citations

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times ranked

5073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical translation of hyperpolarized <sup>13</sup> 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	Hyperpolarized 1-[13C]-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
3	Initial Experience on Hyperpolarized [1-13C]Pyruvate MRI Multicenter Reproducibility—Are Multicenter Trials Feasible?. <i>Tomography</i> , 2022, 8, 585-595.	1.8	8
4	Whole-Abdomen Metabolic Imaging of Healthy Volunteers Using Hyperpolarized [ <sup>13</sup> C]pyruvate MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1792-1806.	3.4	19
5	Development of specialized magnetic resonance acquisition techniques for human hyperpolarized [ <sup>13</sup> C], [ <sup>15</sup> N <sub>2</sub> ]urea + [ <sup>13</sup> C]pyruvate simultaneous perfusion and metabolic imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1039-1054.	3.0	11
6	Kinetic analysis of multi-resolution hyperpolarized <sup>13</sup> C human brain MRI to study cerebral metabolism. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2190-2197.	3.0	5
7	Hyperpolarized <sup>13</sup> 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
8	55 Mn-based fiducial markers for rapid and automated RF coil localization for hyperpolarized <sup>13</sup> C MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 518-530.	3.0	3
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	Metabolic imaging with hyperpolarized <sup>13</sup> C pyruvate magnetic resonance imaging in patients with renal tumors—Initial experience. <i>Cancer</i> , 2021, 127, 2693-2704.	4.1	27
12	Metabolic MRI with hyperpolarized [1- <sup>13</sup> C]pyruvate separates benign oligemia from infarcting penumbra in porcine stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2916-2927.	4.3	10
13	Background-free dual-mode optical and <sup>13</sup> C magnetic resonance imaging in diamond particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
14	Denoising of hyperpolarized <sup>13</sup> C MR images of the human brain using patch-based higher-order singular value decomposition. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2497-2511.	3.0	18
15	Specialized computational methods for denoising, B1 correction, and kinetic modeling in hyperpolarized <sup>13</sup> C MR EPSI studies of liver tumors. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2402-2411.	3.0	6
16	Current human brain applications and challenges of dynamic hyperpolarized carbon-13 labeled pyruvate MR metabolic imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4225-4235.	6.4	10
17	Pilot Study of Hyperpolarized <sup>13</sup> C Metabolic Imaging in Pediatric Patients with Diffuse Intrinsic Pontine Glioma and Other CNS Cancers. <i>American Journal of Neuroradiology</i> , 2021, 42, 178-184.	2.4	18
18	Kinetic Modeling of Hyperpolarized Carbon-13 Pyruvate Metabolism in the Human Brain. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 320-327.	8.9	32

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19	Hyperpolarized <sup>13</sup> 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
20	Simultaneous T1 and T2 mapping of hyperpolarized <sup>13</sup> C compounds using the bSSFP sequence. <i>Journal of Magnetic Resonance</i> , 2020, 312, 106691.	2.1	5
21	A variable resolution approach for improved acquisition of hyperpolarized <sup>13</sup> C metabolic MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2943-2952.	3.0	30
22	Slice profile effects on quantitative analysis of hyperpolarized pyruvate. <i>NMR in Biomedicine</i> , 2020, 33, e4373.	2.8	10
23	Simultaneous Metabolic and Perfusion Imaging Using Hyperpolarized <sup>13</sup> 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
24	Tensor image enhancement and optimal multichannel receiver combination analyses for human hyperpolarized <sup>13</sup> C MRSI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3351-3365.	3.0	27
25	Elevated Tumor Lactate and Efflux in High-grade Prostate Cancer demonstrated by Hyperpolarized <sup>13</sup> C Magnetic Resonance Spectroscopy of Prostate Tissue Slice Cultures. <i>Cancers</i> , 2020, 12, 537.	3.7	14
26	Characterization of serial hyperpolarized <sup>13</sup> C metabolic imaging in patients with glioma. <i>NeuroImage: Clinical</i> , 2020, 27, 102323.	2.7	42
27	A metabolite-specific 3D stack-of-spiral bSSFP sequence for improved lactate imaging in hyperpolarized [ <sup>13</sup> C]pyruvate studies on a 3T clinical scanner. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1113-1125.	3.0	13
28	Assessing high-intensity focused ultrasound treatment of prostate cancer with hyperpolarized <sup>13</sup> C dual-agent imaging of metabolism and perfusion. <i>NMR in Biomedicine</i> , 2019, 32, e3962.	2.8	10
29	Zero-field nuclear magnetic resonance of chemically exchanging systems. <i>Nature Communications</i> , 2019, 10, 3002.	12.8	36
30	First hyperpolarized [2- <sup>13</sup> C]pyruvate MR studies of human brain metabolism. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106617.	2.1	63
31	Coil combination methods for multi-channel hyperpolarized <sup>13</sup> C imaging data from human studies. <i>Journal of Magnetic Resonance</i> , 2019, 301, 73-79.	2.1	27
32	Using bidirectional chemical exchange for improved hyperpolarized [ <sup>13</sup> C]bicarbonate pH imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 959-972.	3.0	8
33	The Role of Lactate Metabolism in Prostate Cancer Progression and Metastases Revealed by Dual-Agent Hyperpolarized <sup>13</sup> C MRSI. <i>Cancers</i> , 2019, 11, 257.	3.7	41
34	Hyperpolarized <sup>13</sup> C MRI: State of the Art and Future Directions. <i>Radiology</i> , 2019, 291, 273-284.	7.3	210
35	Effects of excitation angle strategy on quantitative analysis of hyperpolarized pyruvate. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3754-3762.	3.0	13
36	Pulse sequence considerations for quantification of pyruvate-to-lactate conversion in hyperpolarized <sup>13</sup> C imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4052.	2.8	13

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37	Methodological consensus on clinical proton MRS of the brain: Review and recommendations. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 527-550.	3.0	280
38	Comparison between 8 <sup>+</sup> and 32 <sup>+</sup> channel phased <sup>+</sup> array receive coils for in vivo hyperpolarized <sup>13</sup> C imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 833-841.	3.0	28
39	A regional bolus tracking and real <sup>+</sup> time B <sub>1</sub> calibration method for hyperpolarized <sup>13</sup> C MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 839-851.	3.0	30
40	Hyperpolarized <sup>13</sup> C MRI: Path to Clinical Translation in Oncology. <i>Neoplasia</i> , 2019, 21, 1-16.	5.3	316
41	Translation of Carbon <sup>+</sup> 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
42	3D hyperpolarized C-13 EPI with calibrationless parallel imaging. <i>Journal of Magnetic Resonance</i> , 2018, 289, 92-99.	2.1	32
43	In vivo hyperpolarization transfer in a clinical MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 480-487.	3.0	7
44	Technique development of 3D dynamic CS <sup>+</sup> EPI for hyperpolarized <sup>13</sup> C pyruvate MR molecular imaging of human prostate cancer. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2062-2072.	3.0	47
45	Non-invasive detection of divergent metabolic signals in insulin deficiency vs. insulin resistance in <sup>+</sup> vivo. <i>Scientific Reports</i> , 2018, 8, 2088.	3.3	18
46	Development of methods and feasibility of using hyperpolarized carbon <sup>+</sup> 13 imaging data for evaluating brain metabolism in patient studies. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 864-873.	3.0	134
47	Direct assessment of renal mitochondrial redox state using hyperpolarized <sup>13</sup> C <sup>+</sup> acetoacetate. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1862-1869.	3.0	25
48	High spatiotemporal resolution bSSFP imaging of hyperpolarized [ <sup>1+</sup> <sup>13</sup> C]pyruvate and [ <sup>1+</sup> <sup>13</sup> C]lactate with spectral suppression of alanine and pyruvate <sup>+</sup> hydrate. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1048-1060.	3.0	19
49	Using a local low rank plus sparse reconstruction to accelerate dynamic hyperpolarized <sup>13</sup> C imaging using the bSSFP sequence. <i>Journal of Magnetic Resonance</i> , 2018, 290, 46-59.	2.1	8
50	Diffusion <sup>+</sup> weighted imaging of hyperpolarized [ <sup>13</sup> C]urea in mouse liver. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 141-151.	3.4	4
51	Sensitivity enhancement for detection of hyperpolarized <sup>13</sup> C MRI probes with <sup>1</sup> H spin coupling introduced by enzymatic transformation in vivo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 36-41.	3.0	9
52	Investigation of analysis methods for hyperpolarized <sup>13</sup> C <sup>+</sup> pyruvate metabolic MRI in prostate cancer patients. <i>NMR in Biomedicine</i> , 2018, 31, e3997.	2.8	77
53	Measuring Tumor Metabolism in Pediatric Diffuse Intrinsic Pontine Glioma Using Hyperpolarized Carbon-13 MR Metabolic Imaging. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-6.	0.8	12
54	Development of a symmetric echo planar imaging framework for clinical translation of rapid dynamic hyperpolarized <sup>13</sup> C imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 826-832.	3.0	55

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55	Investigating tumor perfusion by hyperpolarized <sup>13</sup> C MRI with comparison to conventional gadolinium contrast-enhanced MRI and pathology in orthotopic human GBM xenografts. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 841-847.	3.0	7
56	Multiband spectral-spatial RF excitation for hyperpolarized [ <sup>13</sup> C]dihydroxyacetone- <sup>13</sup> C-MR metabolism studies. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1419-1428.	3.0	14
57	Combining hyperpolarized <sup>13</sup> 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
58	Detection of localized changes in the metabolism of hyperpolarized gluconeogenic precursors <sup>13</sup> C-lactate and <sup>13</sup> C-pyruvate in kidney and liver. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1429-1437.	3.0	35
59	Development of high resolution 3D hyperpolarized carbon-13 MR molecular imaging techniques. <i>Magnetic Resonance Imaging</i> , 2017, 38, 152-162.	1.8	20
60	Quantitative Evaluation of Atlas-based Attenuation Correction for Brain PET in an Integrated Time-of-Flight PET/MR Imaging System. <i>Radiology</i> , 2017, 284, 169-179.	7.3	19
61	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
62	Cancer recurrence monitoring using hyperpolarized [1- <sup>13</sup> C]pyruvate metabolic imaging in murine breast cancer model. <i>Magnetic Resonance Imaging</i> , 2017, 43, 105-109.	1.8	13
63	Hyperpolarized 1-[ <sup>13</sup> 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
64	Spectrally selective three-dimensional dynamic balanced steady-state free precession for hyperpolarized <sup>13</sup> C metabolic imaging with spectrally selective radiofrequency pulses. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 963-975.	3.0	26
65	Misestimation and bias of hyperpolarized apparent diffusion coefficient measurements due to slice profile effects. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1087-1092.	3.0	11
66	Monitoring acute metabolic changes in the liver and kidneys induced by fructose and glucose using hyperpolarized [ <sup>13</sup> C]dihydroxyacetone. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 65-73.	3.0	28
67	Hyperpolarized [ <sup>13</sup> 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	0
68	Handheld electromagnet carrier for transfer of hyperpolarized carbon- <sup>13</sup> samples. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 917-922.	3.0	17
69	Hyperpolarized [ <sup>13</sup> 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
70	Development and testing of hyperpolarized <sup>13</sup> C MR calibrationless parallel imaging. <i>Journal of Magnetic Resonance</i> , 2016, 262, 1-7.	2.1	17
71	Ultrashort echo time and zero echo time MRI at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 359-370.	2.0	59
72	Separation of extra- and intracellular metabolites using hyperpolarized <sup>13</sup> C diffusion weighted MR. <i>Journal of Magnetic Resonance</i> , 2016, 270, 115-123.	2.1	19

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73	Accelerated high-bandwidth MR spectroscopic imaging using compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 369-379.	3.0	22
74	Multiband RF pulses with improved performance via convex optimization. <i>Journal of Magnetic Resonance</i> , 2016, 262, 81-90.	2.1	10
75	Imaging Renal Urea Handling in Rats at Millimeter Resolution Using Hyperpolarized Magnetic Resonance Relaxometry. <i>Tomography</i> , 2016, 2, 125-137.	1.8	31
76	A 2DRF pulse sequence for bolus tracking in hyperpolarized $^{13}\text{C}$ imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 506-512.	3.0	8
77	Chemical shift separation with controlled aliasing for hyperpolarized $^{13}\text{C}$ metabolic imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 978-989.	3.0	11
78	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
79	Rapid in vivo apparent diffusion coefficient mapping of hyperpolarized $^{13}\text{C}$ metabolites. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 622-633.	3.0	27
80	Dynamic UltraFast 2D EXchange Spectroscopy (UF-EXSY) of hyperpolarized substrates. <i>Journal of Magnetic Resonance</i> , 2015, 257, 102-109.	2.1	9
81	High resolution $^{13}\text{C}$ MRI With Hyperpolarized Urea: In Vivo Mapping and $^{15}\text{N}$ Labeling Effects. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 362-371.	8.9	77
82	Simultaneous multiagent hyperpolarized $^{13}\text{C}$ perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1599-1609.	3.0	50
83	Directly detected $^{55}\text{Mn}$ MRI: Application to phantoms for human hyperpolarized $^{13}\text{C}$ MRI development. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1165-1170.	1.8	1
84	Kinetic and perfusion modeling of hyperpolarized ( $^{13}\text{C}$ ) pyruvate and urea in cancer with arbitrary RF flip angles. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 24-32.	2.0	31
85	Quadrature transmit array design using single-feed circularly polarized patch antenna for parallel transmission in MR imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 11-8.	2.0	3
86	Metabolic Imaging of Patients with Prostate Cancer Using Hyperpolarized [ $^{13}\text{C}$ ]Pyruvate. <i>Science Translational Medicine</i> , 2013, 5, 198ra108.	12.4	1,061
87	Metabolic Reprogramming and Validation of Hyperpolarized $^{13}\text{C}$ Lactate as a Prostate Cancer Biomarker Using a Human Prostate Tissue Slice Culture Bioreactor. <i>Prostate</i> , 2013, 73, 1171-1181.	2.3	93
88	Investigating tumor perfusion and metabolism using multiple hyperpolarized $^{13}\text{C}$ compounds: HP001, pyruvate and urea. <i>Magnetic Resonance Imaging</i> , 2012, 30, 305-311.	1.8	69
89	Analysis of Cancer Metabolism by Imaging Hyperpolarized Nuclei: Prospects for Translation to Clinical Research. <i>Neoplasia</i> , 2011, 13, 81-97.	5.3	623
90	$^{13}\text{C}$ -Pyruvate Imaging Reveals Alterations in Glycolysis that Precede c-Myc-Induced Tumor Formation and Regression. <i>Cell Metabolism</i> , 2011, 14, 131-142.	16.2	210

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91	Evaluation of common RF coil setups for MR imaging at ultrahigh magnetic field. , 2011, 2011, .		4
92	Imaging of blood flow using hyperpolarized [ <sup>13</sup> C]Urea in preclinical cancer models. Journal of Magnetic Resonance Imaging, 2011, 33, 692-697.	3.4	105
93	Detection of early response to temozolomide treatment in brain tumors using hyperpolarized <sup>13</sup> C MR metabolic imaging. Journal of Magnetic Resonance Imaging, 2011, 33, 1284-1290.	3.4	106
94	Fast dynamic 3D MR spectroscopic imaging with compressed sensing and multiband excitation pulses for hyperpolarized <sup>13</sup> C studies. Magnetic Resonance in Medicine, 2011, 65, 610-619.	3.0	181
95	Hyperpolarized <sup>13</sup> 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
96	3D compressed sensing for highly accelerated hyperpolarized <sup>13</sup> C MRSI with in vivo applications to transgenic mouse models of cancer. Magnetic Resonance in Medicine, 2010, 63, 312-321.	3.0	126
97	Investigation of tumor hyperpolarized [1- <sup>13</sup> C]-pyruvate dynamics using time-resolved multiband RF excitation echo-planar MRSI. Magnetic Resonance in Medicine, 2010, 63, 582-591.	3.0	85
98	Kinetic modeling of hyperpolarized <sup>13</sup> C-pyruvate metabolism in normal rats and TRAMP mice. Journal of Magnetic Resonance, 2010, 202, 85-92.	2.1	160
99	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
100	Hyperpolarized <sup>13</sup> C magnetic resonance metabolic imaging: application to brain tumors. Neuro-Oncology, 2010, 12, 133-144.	1.2	166
101	Hyperpolarized <sup>13</sup> C Lactate, Pyruvate, and Alanine: Noninvasive Biomarkers for Prostate Cancer Detection and Grading. Cancer Research, 2008, 68, 8607-8615.	0.9	527
102	An eight-channel, nonoverlapping phased array coil with capacitive decoupling for parallel MRI at 3 T. Concepts in Magnetic Resonance Part B, 2007, 31B, 37-43.	0.7	40
103	Magnetic Resonance Spectroscopic Imaging of Human Brain Development. Neuroimaging Clinics of North America, 2006, 16, 75-85.	1.0	37
104	Magnetic resonance imaging compatible neonate incubator. Concepts in Magnetic Resonance, 2002, 15, 117-128.	1.3	52
105	Single-voxel oversampled J-resolved spectroscopy of in vivo human prostate tissue. Magnetic Resonance in Medicine, 2001, 45, 973-980.	3.0	64
106	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
107	Dualband spectral-spatial RF pulses for prostate MR spectroscopic imaging. Magnetic Resonance in Medicine, 2001, 46, 1079-1087.	3.0	103
108	An automated technique for the quantitative assessment of 3D-MRSI data from patients with glioma. Journal of Magnetic Resonance Imaging, 2001, 13, 167-177.	3.4	135

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109	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
110	High spatial resolution 1H-MRSI and segmented MRI of cortical gray matter and subcortical white matter in three regions of the human brain. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 21-29.	3.0	82
111	Serial evaluation of patients with brain tumors using volume MRI and 3D1H MRSI. <i>NMR in Biomedicine</i> , 1999, 12, 123-138.	2.8	164
112	High resolution T2-weighted imaging of the human brain using surface coils and an analytical reception profile correction. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 512-517.	3.4	16
113	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
114	Volume MRI and MRSI techniques for the quantitation of treatment response in brain tumors: Presentation of a detailed case study. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 1146-1152.	3.4	80
115	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
116	High spatial resolution and speed in MRSI. , 1997, 10, 411-422.		59
117	Phased array detectors and an automated intensity-correction algorithm for high-resolution MR imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 433-439.	3.0	126
118	Proton spectroscopic imaging of the human brain using phased array detectors. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 440-445.	3.0	84
119	Registration of images from sequential MR studies of the brain. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 877-883.	3.4	61
120	Proton-decoupled 31P chemical shift imaging of the human brain in normal volunteers. <i>NMR in Biomedicine</i> , 1993, 6, 173-180.	2.8	78
121	Measurement of T1 relaxation times of cardiac phosphate metabolites using BIR-4 adiabatic RF pulses and a variable nutation method. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 688-691.	3.0	10