

Jeremy W Gordon

List of Publications by Year in descending order

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67
papers

1,822
citations

236612

25
h-index

301761

39
g-index

68
all docs

68
docs citations

68
times ranked

1327
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.	1.9	23
2	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.	0.9	17
3	Investigating the Feasibility of In Vivo Perfusion Imaging Methods for Spinal Cord Using Hyperpolarized [¹³ C]-t-Butanol and [¹³ C, ¹⁵ N ₂]Urea. <i>Molecular Imaging and Biology</i> , 2022, 24, 371-376.	1.3	1
4	Instrumentation for Hydrogenative Parahydrogen-Based Hyperpolarization Techniques. <i>Analytical Chemistry</i> , 2022, 94, 479-502.	3.2	52
5	Initial Experience on Hyperpolarized [1- ¹³ C]Pyruvate MRI Multicenter Reproducibility—Are Multicenter Trials Feasible?. <i>Tomography</i> , 2022, 8, 585-595.	0.8	8
6	Whole-Abdomen Metabolic Imaging of Healthy Volunteers Using Hyperpolarized [¹³ C]-pyruvate MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1792-1806.	1.9	19
7	Development of specialized magnetic resonance acquisition techniques for human hyperpolarized [¹³ C]-urea + [¹³ C]-pyruvate simultaneous perfusion and metabolic imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1039-1054.	1.9	11
8	Kinetic analysis of multi-resolution hyperpolarized ¹³ C human brain MRI to study cerebral metabolism. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2190-2197.	1.9	5
9	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.	1.6	30
10	Fast Imaging for Hyperpolarized MR Metabolic Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 686-702.	1.9	20
11	⁵⁵ Mn-based fiducial markers for rapid and automated RF coil localization for hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 518-530.	1.9	3
12	Di-chromatic interpolation of magnetic resonance metabolic images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 57-72.	1.1	3
13	Metabolic imaging with hyperpolarized ¹³ C pyruvate magnetic resonance imaging in patients with renal tumors—initial experience. <i>Cancer</i> , 2021, 127, 2693-2704.	2.0	27
14	Metabolic MRI with hyperpolarized [1- ¹³ C]pyruvate separates benign oligemia from infarcting penumbra in porcine stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2916-2927.	2.4	10
15	Hyperpolarized Metabolic MRI—Acquisition, Reconstruction, and Analysis Methods. <i>Metabolites</i> , 2021, 11, 386.	1.3	10
16	Denosing of hyperpolarized ¹³ 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.	1.9	18
17	Specialized computational methods for denosing, B ₁ correction, and kinetic modeling in hyperpolarized ¹³ C MR EPSI studies of liver tumors. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2402-2411.	1.9	6
18	Pilot Study of Hyperpolarized ¹³ 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.	1.2	18

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19	Deuterium Metabolic Imaging-Rediscovery of a Spectroscopic Tool. <i>Metabolites</i> , 2021, 11, .	1.3	0
20	HP acquisition methods: pulse sequences, reconstruction, and RF coils. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 3, 49-74.	0.0	0
21	Deuterium Metabolic Imagingâ€”Rediscovery of a Spectroscopic Tool. <i>Metabolites</i> , 2021, 11, 570.	1.3	12
22	Kinetic Modeling of Hyperpolarized Carbon-13 Pyruvate Metabolism in the Human Brain. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 320-327.	5.4	32
23	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.	2.0	68
24	Simultaneous T1 and T2 mapping of hyperpolarized ¹³ C compounds using the bSSFP sequence. <i>Journal of Magnetic Resonance</i> , 2020, 312, 106691.	1.2	5
25	A variable resolution approach for improved acquisition of hyperpolarized ¹³ C metabolic MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2943-2952.	1.9	30
26	Slice profile effects on quantitative analysis of hyperpolarized pyruvate. <i>NMR in Biomedicine</i> , 2020, 33, e4373.	1.6	10
27	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.	1.9	27
28	Characterization of serial hyperpolarized ¹³ C metabolic imaging in patients with glioma. <i>NeuroImage: Clinical</i> , 2020, 27, 102323.	1.4	42
29	A metaboliteâ€”specific 3D stackâ€”ofâ€”spiral bSSFP sequenceâ€”for improved lactate imaging in hyperpolarized [¹³ C]pyruvate studies on a 3T clinical scanner. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1113-1125.	1.9	13
30	First hyperpolarized [2- ¹³ C]pyruvate MR studies of human brain metabolism. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106617.	1.2	63
31	Coil combination methods for multi-channel hyperpolarized ¹³ C imaging data from human studies. <i>Journal of Magnetic Resonance</i> , 2019, 301, 73-79.	1.2	27
32	Using bidirectional chemical exchange for improved hyperpolarized [¹³ C]bicarbonate pH imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 959-972.	1.9	8
33	Hyperpolarized ¹³ C MRI: State of the Art and Future Directions. <i>Radiology</i> , 2019, 291, 273-284.	3.6	210
34	Pulse sequence considerations for quantification of pyruvateâ€”toâ€”lactate conversion <i>in vivo</i> in hyperpolarized ¹³ C imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4052.	1.6	13
35	Comparison between 8â€”and 32â€”channel phasedâ€”array receive coils for <i>in vivo</i> hyperpolarized ¹³ C imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 833-841.	1.9	28
36	A regional bolus tracking and realâ€”time B ₁ calibration method for hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 839-851.	1.9	30

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37	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.	1.9	4
38	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.	1.9	65
39	3D hyperpolarized C-13 EPI with calibrationless parallel imaging. <i>Journal of Magnetic Resonance</i> , 2018, 289, 92-99.	1.2	32
40	Technique development of 3D dynamic CS-EPSI for hyperpolarized ¹³ C pyruvate MR molecular imaging of human prostate cancer. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2062-2072.	1.9	47
41	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.	1.9	134
42	Evaluation of renal metabolic response to partial ureteral obstruction with hyperpolarized ¹³ C MRI. <i>NMR in Biomedicine</i> , 2018, 31, e3846.	1.6	16
43	High spatiotemporal resolution bSSFP imaging of hyperpolarized [¹³ C]pyruvate and [¹³ C]lactate with spectral suppression of alanine and pyruvate-hydrate. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1048-1060.	1.9	19
44	Diffusion-weighted imaging of hyperpolarized [¹³ C]urea in mouse liver. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 141-151.	1.9	4
45	Spatio-Temporally Constrained Reconstruction for Hyperpolarized Carbon-13 MRI Using Kinetic Models. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2603-2612.	5.4	8
46	Investigation of analysis methods for hyperpolarized ¹³ C-pyruvate metabolic MRI in prostate cancer patients. <i>NMR in Biomedicine</i> , 2018, 31, e3997.	1.6	77
47	Non-Invasive Assessment of Lactate Production and Compartmentalization in Renal Cell Carcinomas Using Hyperpolarized ¹³ C Pyruvate MRI. <i>Cancers</i> , 2018, 10, 313.	1.7	22
48	High-resolution echo-planar spectroscopic imaging at ultra-high field. <i>NMR in Biomedicine</i> , 2018, 31, e3950.	1.6	11
49	Development of a symmetric echo planar imaging framework for clinical translation of rapid dynamic hyperpolarized ¹³ C imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 826-832.	1.9	55
50	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.	1.9	13
51	Assessing Prostate Cancer Aggressiveness with Hyperpolarized Dual-Agent 3D Dynamic Imaging of Metabolism and Perfusion. <i>Cancer Research</i> , 2017, 77, 3207-3216.	0.4	60
52	Hyperpolarized ¹³ C magnetic resonance evaluation of renal ischemia reperfusion injury in a murine model. <i>NMR in Biomedicine</i> , 2017, 30, e3765.	1.6	27
53	Misestimation and bias of hyperpolarized apparent diffusion coefficient measurements due to slice profile effects. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1087-1092.	1.9	11
54	Application of flow sensitive gradients for improved measures of metabolism using hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1242-1248.	1.9	20

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55	Development and testing of hyperpolarized ¹³ C MR calibrationless parallel imaging. Journal of Magnetic Resonance, 2016, 262, 1-7.	1.2	17
56	Detection of inflammatory cell function using ¹³ C magnetic resonance spectroscopy of hyperpolarized [6- ¹³ C]-arginine. Scientific Reports, 2016, 6, 31397.	1.6	24
57	Optimizing Flip Angles for Metabolic Rate Estimation in Hyperpolarized Carbon-13 MRI. IEEE Transactions on Medical Imaging, 2016, 35, 2403-2412.	5.4	28
58	¹⁹ F-MRI for monitoring human NK cells <i>in vivo</i> . Oncolmmunology, 2016, 5, e1143996.	2.1	48
59	Multiband RF pulses with improved performance via convex optimization. Journal of Magnetic Resonance, 2016, 262, 81-90.	1.2	10
60	Simultaneous imaging of ¹³ C metabolism and ¹ H structure: technical considerations and potential applications. NMR in Biomedicine, 2015, 28, 576-582.	1.6	13
61	Effect of anesthesia on renal <i>R</i> ₂ * measured by blood oxygen level-dependent MRI. NMR in Biomedicine, 2015, 28, 811-817.	1.6	11
62	Application of Good's buffers to pH imaging using hyperpolarized ¹³ C MRI. Chemical Communications, 2015, 51, 14119-14122.	2.2	35
63	Joint spatial-spectral reconstruction and k-t spirals for accelerated 2D spatial/1D spectral imaging of ¹³ C dynamics. Magnetic Resonance in Medicine, 2014, 71, 1435-1445.	1.9	26
64	Effect of lanthanide ions on dynamic nuclear polarization enhancement and liquid-state <i>T</i> ₁ relaxation. Magnetic Resonance in Medicine, 2012, 68, 1949-1954.	1.9	31
65	In Vivo Imaging and Spectroscopy of Dynamic Metabolism Using Simultaneous ¹³ C and ¹ H MRI. IEEE Transactions on Biomedical Engineering, 2012, 59, 45-49.	2.5	28
66	Dynamic nuclear polarization system output volume reduction using inert fluids. Journal of Magnetic Resonance Imaging, 2011, 33, 1003-1008.	1.9	9
67	Hyperpolarized ¹³ Carbon MR. Current Pharmaceutical Biotechnology, 2010, 11, 709-719.	0.9	11