

# Krishna S Nayak

## List of Publications by Year in descending order

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177  
papers

5,913  
citations

87723

38  
h-index

95083

68  
g-index

182  
all docs

182  
docs citations

182  
times ranked

5936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time Magnetic Resonance Imaging. Journal of Magnetic Resonance Imaging, 2022, 55, 81-99.	1.9	35
2	Clinical Intervention to Reduce Dietary Sugar Does Not Affect Liver Fat in Latino Youth, Regardless of PNPLA3 Genotype: A Randomized Controlled Trial. Journal of Nutrition, 2022, 152, 1655-1665.	1.3	8
3	<sc>MaxGIRF</sc>: Image reconstruction incorporating concomitant field and gradient impulse response function effects. Magnetic Resonance in Medicine, 2022, 88, 691-710.	1.9	14
4	Velocity-selective arterial spin labeling perfusion MRI: A review of the state of the art and recommendations for clinical implementation. Magnetic Resonance in Medicine, 2022, 88, 1528-1547.	1.9	27
5	Robust autocalibrated structured low-rank EPI ghost correction. Magnetic Resonance in Medicine, 2021, 85, 3403-3419.	1.9	11
6	Region-optimized virtual (ROVir) coils: Localization and/or suppression of spatial regions using sensor-domain beamforming. Magnetic Resonance in Medicine, 2021, 86, 197-212.	1.9	10
7	Aliasing artifact reduction in spiral real-time MRI. Magnetic Resonance in Medicine, 2021, 86, 916-925.	1.9	6
8	PNPLA3 Genotype, Arachidonic Acid Intake, and Unsaturated Fat Intake Influences Liver Fibrosis in Hispanic Youth with Obesity. Nutrients, 2021, 13, 1621.	1.7	8
9	Liver Fat Reduction After Gastric Banding and Associations with Changes in Insulin Sensitivity and $\beta$ -Cell Function. Obesity, 2021, 29, 1155-1163.	1.5	2
10	Sparse precontrast $T_1$ mapping for high-resolution whole-brain DCE-MRI. Magnetic Resonance in Medicine, 2021, 86, 2234-2249.	1.9	3
11	A multispeaker dataset of raw and reconstructed speech production real-time MRI video and 3D volumetric images. Scientific Data, 2021, 8, 187.	2.4	16
12	Optimizing constrained reconstruction in magnetic resonance imaging for signal detection. Physics in Medicine and Biology, 2021, 66, 145014.	1.6	4
13	Pseudo Test-Retest Evaluation of Millimeter-Resolution Whole-Brain Dynamic Contrast-enhanced MRI in Patients with High-Grade Glioma. Radiology, 2021, 300, 410-420.	3.6	2
14	Effects of $B_1$ + Heterogeneity on Spin Echo-Based Liver Iron Estimates. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	2
15	Improved 3D real-time MRI of speech production. Magnetic Resonance in Medicine, 2021, 85, 3182-3195.	1.9	11
16	Improved Glioma Grading Using Deep Convolutional Neural Networks. American Journal of Neuroradiology, 2021, 42, 233-239.	1.2	29
17	Myocardial blood flow is the dominant factor influencing cardiac magnetic resonance adenosine stress $T_2$ . NMR in Biomedicine, 2021, , e4643.	1.6	2
18	Iterative correction of RF envelope distortion with GRATER-measured waveforms. Magnetic Resonance in Medicine, 2020, 83, 188-194.	1.9	3

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19	Tracer kinetic models as temporal constraints during brain tumor DCE-MRI reconstruction. <i>Medical Physics</i> , 2020, 47, 37-51.	1.6	13
20	Impact of (k,t) sampling on DCE MRI tracer kinetic parameter estimation in digital reference objects. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1625-1639.	1.9	8
21	Accuracy, uncertainty, and adaptability of automatic myocardial ASL segmentation using deep CNN. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1863-1874.	1.9	11
22	Improved real-time tagged MRI using REALTAG. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 838-846.	1.9	2
23	Efficient DCE-MRI Parameter and Uncertainty Estimation Using a Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1712-1723.	5.4	14
24	Feasibility of coronary endothelial function assessment using arterial spin labeled CMR. <i>NMR in Biomedicine</i> , 2020, 33, e4183.	1.6	4
25	The morphology of Sella Turcica in individuals with different skeletal malocclusions – A cephalometric study. <i>Translational Research in Anatomy</i> , 2020, 18, 100054.	0.3	3
26	Deblurring for spiral real-time MRI using convolutional neural networks. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3438-3452.	1.9	24
27	Numerical approximation to the general kinetic model for ASL quantification. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2846-2857.	1.9	2
28	Improved velocity-selective labeling pulses for myocardial ASL. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1909-1918.	1.9	18
29	Single-shot EPI for ASL-CMR. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 738-750.	1.9	7
30	Perceived Dark Rim Artifact in First-Pass Myocardial Perfusion Magnetic Resonance Imaging Due to Visual Illusion. <i>Korean Journal of Radiology</i> , 2020, 21, 462.	1.5	0
31	Dynamic off-resonance correction for spiral real-time MRI of speech. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 234-246.	1.9	24
32	Real-time three-dimensional MRI for the assessment of dynamic carpal instability. <i>PLoS ONE</i> , 2019, 14, e0222704.	1.1	15
33	Resonate: Reflections and recommendations on implicit biases within the ISMRM. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1509-1511.	1.9	1
34	In vivo validation of T2* and susceptibility-based S v O <sub>2</sub> measurements with jugular vein catheterization under hypoxia and hypercapnia. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2188-2198.	1.9	12
35	Response to Letter to the Editor: “Nomenclature for real-time magnetic resonance imaging”. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 525-526.	1.9	10
36	Asymmetric Synthesis 1-Substituted 2,6-Diazaspiro[3.3]heptanes through Addition of 3-Azetidinecarboxylate Anions to Davis’ Ellman Imines. <i>Organic Letters</i> , 2019, 21, 3481-3484.	2.4	6

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37	Intermittently tagged real-time MRI reveals internal tongue motion during speech production. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 600-613.	1.9	9
38	Radiofrequency transmit calibration: A multi-center evaluation of vendor-provided radiofrequency transmit mapping methods. <i>Medical Physics</i> , 2019, 46, 2629-2637.	1.6	6
39	Analysis of physiological noise in quantitative cardiac magnetic resonance. <i>PLoS ONE</i> , 2019, 14, e0214566.	1.1	2
40	Magnetization Transfer Imaging Is Unaffected by Decreases in Renal Perfusion in Swine. <i>Investigative Radiology</i> , 2019, 54, 681-688.	3.5	15
41	Mapping of palatal bone thickness using computed tomography for placement of mini screws – A comparative study between genders, adolescents and adults. <i>Orthodontic Waves</i> , 2019, 78, 18-25.	0.2	0
42	3D dynamic MRI of the vocal tract during natural speech. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1511-1520.	1.9	26
43	Phantom Validation of DCE-MRI Magnitude and Phase-Based Vascular Input Function Measurements. <i>Tomography</i> , 2019, 5, 77-89.	0.8	14
44	Analysis of speech production real-time MRI. <i>Computer Speech and Language</i> , 2018, 52, 1-22.	2.9	36
45	Simple method for RF pulse measurement using gradient reversal. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2642-2651.	1.9	4
46	Joint arterial input function and tracer kinetic parameter estimation from undersampled dynamic contrast-enhanced MRI using a model consistency constraint. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2804-2815.	1.9	20
47	Demonstration of velocity selective myocardial arterial spin labeling perfusion imaging in humans. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 272-278.	1.9	16
48	Impact of Gastric Banding Versus Metformin on $\beta$ -Cell Function in Adults With Impaired Glucose Tolerance or Mild Type 2 Diabetes. <i>Diabetes Care</i> , 2018, 41, 2544-2551.	4.3	27
49	Upper Airway Narrowing during Central Apnea in Obese Adolescents. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1465-1471.	1.5	2
50	Prostate DCE-MRI with correction using an approximated analytical approach. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2525-2537.	1.9	0
51	Non-contrast assessment of microvascular integrity using arterial spin labeled cardiovascular magnetic resonance in a porcine model of acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 45.	1.6	9
52	Robust autocalibrated loraks for EPI ghost correction. , 2018, 2018, 663-666.		3
53	A fast and flexible MRI system for the study of dynamic vocal tract shaping. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 112-125.	1.9	53
54	Double-gated myocardial ASL perfusion imaging is robust to heart rate variation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1975-1980.	1.9	18

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55	Assessment of segmental myocardial blood flow and myocardial perfusion reserve by adenosine-stress myocardial arterial spin labeling perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 413-420.	1.9	10
56	Real-time multislice MRI during continuous positive airway pressure reveals upper airway response to pressure change. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1400-1408.	1.9	10
57	Feasibility of through-time spiral generalized autocalibrating partial parallel acquisition for low latency accelerated real-time MRI of speech. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2275-2282.	1.9	17
58	Dynamic MRI Evaluation of Moderate to Severe OSA Across the Obesity Spectrum. <i>Chest</i> , 2017, 152, A1085.	0.4	0
59	Test-retest repeatability of human speech biomarkers from static and real-time dynamic magnetic resonance imaging. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3323-3336.	0.5	16
60	Direct estimation of tracer kinetic parameter maps from highly undersampled brain dynamic contrast enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1566-1578.	1.9	42
61	Minimum Field Strength Simulator for Proton Density Weighted MRI. <i>PLoS ONE</i> , 2016, 11, e0154711.	1.1	12
62	Anisotropic field-of-view support for golden angle radial imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 229-236.	1.9	5
63	Evaluation of upper airway collapsibility using real-time MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 158-167.	1.9	21
64	Myocardial ASL-CMR perfusion imaging with improved sensitivity using GRAPPA. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P100.	1.6	1
65	Model-based stability assessment of ventilatory control in overweight adolescents with obstructive sleep apnea during NREM sleep. <i>Journal of Applied Physiology</i> , 2016, 121, 185-197.	1.2	15
66	High-resolution whole-brain DCE-MRI using constrained reconstruction: Prospective clinical evaluation in brain tumor patients. <i>Medical Physics</i> , 2016, 43, 2013-2023.	1.6	28
67	Recommendations for real-time speech MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 28-44.	1.9	84
68	Improved scan efficiency for golden-angle radial CMR with anisotropic field-of-view. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O108.	1.6	0
69	Non-contrast myocardial perfusion assessment in porcine acute myocardial infarction using arterial spin labeled CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O7.	1.6	1
70	Accelerated cardiac cine MRI using locally low rank and finite difference constraints. <i>Magnetic Resonance Imaging</i> , 2016, 34, 707-714.	1.0	43
71	Myocardial arterial spin labeling. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 22.	1.6	43
72	GOCART: Golden-angle Cartesian randomized time-resolved 3D MRI. <i>Magnetic Resonance Imaging</i> , 2016, 34, 940-950.	1.0	30

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73	Dynamic 3-D MR Visualization and Detection of Upper Airway Obstruction During Sleep Using Region-Growing Segmentation. IEEE Transactions on Biomedical Engineering, 2016, 63, 431-437.	2.5	38
74	Computational fluid dynamics simulations of blood flow regularized by 3D phase contrast MRI. BioMedical Engineering OnLine, 2015, 14, 110.	1.3	56
75	Arterial spin labeling CMR perfusion imaging is capable of continuously monitoring myocardial blood flow during stress. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P145.	1.6	2
76	Motion correction facilitates the automation of cardiac ASL perfusion imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P51.	1.6	5
77	Cardiovascular magnetic resonance phase contrast imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 71.	1.6	184
78	Real-time magnetic resonance imaging and electromagnetic articulography database for speech production research (TC). Journal of the Acoustical Society of America, 2014, 136, 1307-1311.	0.5	120
79	Noninvasive identification and assessment of functional brown adipose tissue in rodents using hyperpolarized <sup>13</sup> C imaging. International Journal of Obesity, 2014, 38, 126-131.	1.6	38
80	Evaluation of an independent linear model for acoustic noise on a conventional MRI scanner and implications for acoustic noise reduction. Magnetic Resonance in Medicine, 2014, 71, 1613-1620.	1.9	16
81	Myocardial arterial spin labeling perfusion imaging with improved sensitivity. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 15.	1.6	24
82	Real-time 3D magnetic resonance imaging of the pharyngeal airway in sleep apnea. Magnetic Resonance in Medicine, 2014, 71, 1501-1510.	1.9	35
83	Highly accelerated dynamic contrast enhanced imaging. Magnetic Resonance in Medicine, 2014, 71, 635-644.	1.9	33
84	Clinical Evaluation of Enamel Demineralization during Orthodontic Treatment: An in vivo Study using GC Tooth Mousse Plus. The Journal of Indian Orthodontic Society, 2014, 48, 233-238.	0.2	1
85	Automatic off-resonance correction in spiral imaging with piecewise linear autofocus. Magnetic Resonance in Medicine, 2013, 69, 82-90.	1.9	11
86	Chemical shift encoded water-fat separation using parallel imaging and compressed sensing. Magnetic Resonance in Medicine, 2013, 69, 456-466.	1.9	20
87	Three-dimensional first-pass myocardial perfusion MRI using a stack of spirals acquisition. Magnetic Resonance in Medicine, 2013, 69, 839-844.	1.9	38
88	Dynamic 3-D Visualization of Vocal Tract Shaping During Speech. IEEE Transactions on Medical Imaging, 2013, 32, 838-848.	5.4	31
89	Automatic intra-subject registration-based segmentation of abdominal fat from water-fat MRI. Journal of Magnetic Resonance Imaging, 2013, 37, 423-430.	1.9	38
90	Ectopic Fat Deposition in Prediabetic Overweight and Obese Minority Adolescents. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1115-1121.	1.8	50

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91	Paralinguistic mechanisms of production in human "beatboxing": A real-time magnetic resonance imaging study. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 1043-1054.	0.5	46
92	Clinical Image Quality Assessment of Accelerated Magnetic Resonance Neuroimaging Using Compressed Sensing. <i>Investigative Radiology</i> , 2013, 48, 638-645.	3.5	81
93	Evaluation of Swallow Function After Tongue Cancer Treatment Using Real-Time Magnetic Resonance Imaging. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 1312.	1.2	25
94	Accelerated T2*-compensated fat fraction quantification using a joint parallel imaging and compressed sensing framework. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1267-1275.	1.9	15
95	Improved imaging of lingual articulation using real-time multislice MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 943-948.	1.9	27
96	Accelerated 3D MERGE carotid imaging using compressed sensing with a hidden markov tree model. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1194-1202.	1.9	18
97	Reduced field of view MRI with rapid, $B_1$ -robust outer volume suppression. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1316-1323.	1.9	16
98	Comparison of wideband steady-state free precession and $T_2$ -weighted fast spin echo in spine disorder assessment at 1.5 and 3 T. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1527-1535.	1.9	5
99	Accelerated water-fat imaging using restricted subspace field map estimation and compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 650-659.	1.9	28
100	Arterial Spin Labeled CMR Detects Clinically Relevant Increase in Myocardial Blood Flow With Vasodilation. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1253-1261.	2.3	48
101	Scan-Based Volume Animation Driven by Locally Adaptive Articulated Registrations. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011, 17, 368-379.	2.9	10
102	Differential Computed Tomographic Attenuation of Metabolically Active and Inactive Adipose Tissues. <i>Journal of Computer Assisted Tomography</i> , 2011, 35, 65-71.	0.5	66
103	Assessment of abdominal adipose tissue and organ fat content by magnetic resonance imaging. <i>Obesity Reviews</i> , 2011, 12, e504-15.	3.1	112
104	MR properties of brown and white adipose tissues. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 468-473.	1.9	104
105	Flexible retrospective selection of temporal resolution in real-time speech MRI using a golden-ratio spiral view order. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1365-1371.	1.9	47
106	Novel 16-channel receive coil array for accelerated upper airway MRI at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1711-1717.	1.9	17
107	Ethnic Differences in Pancreatic Fat Accumulation and Its Relationship With Other Fat Depots and Inflammatory Markers. <i>Diabetes Care</i> , 2011, 34, 485-490.	4.3	112
108	Quantification of Absolute Fat Mass by Magnetic Resonance Imaging: a Validation Study against Chemical Analysis. <i>International Journal of Body Composition Research</i> , 2011, 9, 111-122.	0.5	23

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109	Prediction of myocardial signal during CINE balanced SSFP imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 85-91.	1.1	6
110	Improved blood suppression in three-dimensional (3D) fast spin-echo (FSE) vessel wall imaging using a combination of double inversion-recovery (DIR) and diffusion sensitizing gradient (DSG) preparations. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 398-405.	1.9	12
111	Improved coronary MR angiography using wideband steady state free precession at 3 tesla with sub-millimeter resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1224-1229.	1.9	9
112	Identification of brown adipose tissue in mice with fat-water IDEAL-MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1195-1202.	1.9	131
113	Change in the proton $T_1$ of fat and water in mixture. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 494-501.	1.9	35
114	Design and use of variable flip angle schedules in transient balanced SSFP subtractive imaging. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 537-542.	1.9	7
115	Systolic 3D first-pass myocardial perfusion MRI: Comparison with diastolic imaging in healthy subjects. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 858-864.	1.9	20
116	Feasibility of in vivo measurement of carotid wall shear rate using spiral fourier velocity encoded MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1537-1547.	1.9	30
117	Improved 3-Tesla cardiac cine imaging using wideband. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1716-1722.	1.9	8
118	Comparison of Fat-Water MRI and Single-voxel MRS in the Assessment of Hepatic and Pancreatic Fat Fractions in Humans. <i>Obesity</i> , 2010, 18, 841-847.	1.5	182
119	MRI artifacts and correction strategies. <i>Imaging in Medicine</i> , 2010, 2, 445-457.	0.0	69
120	Interleaved balanced SSFP imaging: Artifact reduction using gradient waveform grouping. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 745-750.	1.9	10
121	FOCUSS: A general compressed sensing framework for high resolution dynamic MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 103-116.	1.9	536
122	Referenceless phase velocity mapping using balanced SSFP. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1096-1102.	1.9	22
123	Accelerated three-dimensional upper airway MRI using compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1434-1440.	1.9	63
124	Assessment of myocardial blood flow (MBF) in humans using arterial spin labeling (ASL): Feasibility and noise analysis. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 975-983.	1.9	61
125	Accelerated 3D MRI of vocal tract shaping using compressed sensing and parallel imaging. , 2009, , .		5
126	Real-time color-flow MRI at 3 T using variable-density spiral phase contrast. <i>Magnetic Resonance Imaging</i> , 2008, 26, 661-666.	1.0	14



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127	Myocardial first-pass perfusion cardiovascular magnetic resonance: history, theory, and current state of the art. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 18.	1.6	185
128	Three dimensional first-pass myocardial perfusion imaging at 3T: feasibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 57.	1.6	50
129	1091 B1+ non-uniformity in 3 T CMR: patient study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, .	1.6	0
130	1138 Measurement of beat-to-beat variability of stroke volume. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, .	1.6	1
131	2134 Validation of the spiral Fourier velocity encoding method. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, .	1.6	1
132	213 Optimally undersampled variable density spiral trajectories applied to real-time cardiac MRI at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, .	1.6	0
133	Automatic correction of echo-planar imaging (EPI) ghosting artifacts in real-time interactive cardiac MRI using sensitivity encoding. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 239-245.	1.9	32
134	Measurement and characterization of RF nonuniformity over the heart at 3T using body coil transmission. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 643-648.	1.9	59
135	Quantification of absolute fat mass using an adipose tissue reference signal model. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1483-1491.	1.9	25
136	B compensation in 3T cardiac imaging using short 2DRF pulses. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 441-446.	1.9	14
137	Design and use of tailored hard-pulse trains for uniformed saturation of myocardium at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 997-1002.	1.9	28
138	Stabilization of alternating TR steady-state free precession sequences. <i>Journal of Magnetic Resonance</i> , 2008, 195, 211-218.	1.2	2
139	Seeing speech: Capturing vocal tract shaping using real-time magnetic resonance imaging [Exploratory DSP]. <i>IEEE Signal Processing Magazine</i> , 2008, 25, 123-132.	4.6	82
140	Adaptive non-rigid registration of 3D knee MRI in different pose spaces. , 2008, , .		3
141	Creating an animatable 3D volume hand model from in vivo MRI. <i>Studies in Health Technology and Informatics</i> , 2008, 132, 402-7.	0.2	0
142	Soft-Tissue Deformation for In Vivo Volume Animation. , 2007, , .		35
143	Accelerating Dynamic Spiral MRI by Algebraic Reconstruction From Undersampled $k$ -Space. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 917-924.	5.4	8
144	Rapid quantitation of cardiovascular flow using slice-selective fourier velocity encoding with spiral readouts. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 639-646.	1.9	19

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145	SSFP and GRE phase contrast imaging using a three-echo readout. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1288-1293.	1.9	4
146	Wideband SSFP: Alternating repetition time balanced steady state free precession with increased band spacing. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 931-938.	1.9	58
147	Saturated double-angle method for rapid B1+ mapping. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1326-1333.	1.9	297
148	Designing long-T2 suppression pulses for ultrashort echo time imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 94-103.	1.9	85
149	Rapid cardiac-output measurement with ungated spiral phase contrast. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 432-438.	1.9	10
150	Real-Time Color-Flow CMR in Adults with Congenital Heart Disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006, 8, 809-815.	1.6	6
151	Synchronized and noise-robust audio recordings during realtime magnetic resonance imaging scans. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 1791-1794.	0.5	104
152	Ischemic Heart Disease: Myocardial Perfusion Imaging. <i>Fundamental and Clinical Cardiology</i> , 2006, , 179-194.	0.0	0
153	Rapid measurement of renal artery blood flow with ungated spiral phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 590-595.	1.9	18
154	Single-breathhold, four-dimensional, quantitative assessment of LV and RV function using triggered, real-time, steady-state free precession MRI in heart failure patients. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 59-66.	1.9	32
155	High-resolution real-time spiral MRI for guiding vascular interventions in a rabbit model at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 687-690.	1.9	12
156	Spiral balanced steady-state free precession cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1468-1473.	1.9	60
157	Variable-density one-shot fourier velocity encoding. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 645-655.	1.9	11
158	The future of real-time cardiac magnetic resonance imaging. <i>Current Cardiology Reports</i> , 2005, 7, 45-51.	1.3	26
159	An approach to real-time magnetic resonance imaging for speech production. <i>Journal of the Acoustical Society of America</i> , 2004, 115, 1771-1776.	0.5	256
160	Real-time cardiac MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 655-660.	1.9	101
161	Real-time imaging of skeletal muscle velocity. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 734-739.	1.9	47
162	Triggered real-time MRI and cardiac applications. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 188-192.	1.9	22

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163	Fat-suppressed steady-state free precession imaging using phase detection. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 210-213.	1.9	101
164	Rapid quantitation of high-speed flow jets. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 366-372.	1.9	46
165	In Vivo Real-Time Intravascular MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 223-232.	1.6	24
166	Real-time black-blood MRI using spatial presaturation. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 807-812.	1.9	22
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