

Shreyas S Vasanaawala

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

5,700
citations

40
h-index

71
g-index

174
ext. papers

6,881
ext. citations

6
avg, IF

5.96
L-index

#	Paper	IF	Citations
167	Artifact- and content-specific quality assessment for MRI with image rulers.. <i>Medical Image Analysis</i> , 2022 , 77, 102344	15.4	2
166	Deep Learning Automated Background Phase Error Correction for Abdominopelvic 4D Flow MRI. <i>Radiology</i> , 2021 , 211270	20.5	0
165	Left Subclavian Artery Isolation with Right Aortic Arch and D-Transposition of the Great Arteries.. <i>Case</i> , 2021 , 5, 392-398	0.5	
164	Upstream Machine Learning in Radiology. <i>Radiologic Clinics of North America</i> , 2021 , 59, 967-985	2.3	0
163	Prospective Deployment of Deep Learning in MRI: A Framework for Important Considerations, Challenges, and Recommendations for Best Practices. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 357-371	5.6	15
162	Analysis of deep complex-valued convolutional neural networks for MRI reconstruction and phase-focused applications. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1093-1109	4.4	14
161	Practical protocol for lung magnetic resonance imaging and common clinical indications. <i>Pediatric Radiology</i> , 2021 , 1	2.8	2
160	Hemodynamic Assessment of Structural Heart Disease Using 4D Flow MRI: How We Do It. <i>American Journal of Roentgenology</i> , 2021 , 217, 1322-1332	5.4	1
159	Zero echo time pediatric musculoskeletal magnetic resonance imaging: initial experience. <i>Pediatric Radiology</i> , 2021 , 51, 2549-2560	2.8	0
158	Accelerating cardiac cine MRI using a deep learning-based ESPIRiT reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 152-167	4.4	29
157	Uncertainty Quantification in Deep MRI Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 239-250	11.7	15
156	Near-Silent and Distortion-Free Diffusion MRI in Pediatric Musculoskeletal Disorders: Comparison With Echo Planar Imaging Diffusion. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 504-513	5.6	3
155	Wasserstein GANs for MR Imaging: From Paired to Unpaired Training. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 105-115	11.7	14
154	Memory-Efficient Learning for High-Dimensional MRI Reconstruction. <i>Lecture Notes in Computer Science</i> , 2021 , 461-470	0.9	0
153	Quantification of the Hemodynamic Changes of Cirrhosis with Free-Breathing Self-Navigated MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1410-1421	5.6	2
152	Free-breathing Accelerated Cardiac MRI Using Deep Learning: Validation in Children and Young Adults. <i>Radiology</i> , 2021 , 300, 539-548	20.5	3
151	Free-breathing mapping of hepatic iron overload in children using 3D multi-echo UTE cones MRI. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2608-2621	4.4	0

150	Direct measurement of atrioventricular valve regurgitant jets using 4D flow cardiovascular magnetic resonance is accurate and reliable for children with congenital heart disease: a retrospective cohort study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 33	6.9	8
149	Rosette Trajectories Enable Ungated, Motion-Robust, Simultaneous Cardiac and Liver T * Iron Assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 1688-1698	5.6	1
148	Multi-scale Unrolled Deep Learning Framework for Accelerated Magnetic Resonance Imaging 2020 , 2020, 1056-1059	1.5	3
147	DIAGNOSTIC IMAGE QUALITY ASSESSMENT AND CLASSIFICATION IN MEDICAL IMAGING: OPPORTUNITIES AND CHALLENGES 2020 , 2020, 337-340	1.5	6
146	Variable Refocusing Flip Angle Single-Shot Imaging for Sedation-Free Fast Brain MRI. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1256-1262	4.4	
145	Invited Commentary: Reducing Sedation and Anesthesia in Pediatric Patients at MRI. <i>Radiographics</i> , 2020 , 40, 503-504	5.4	2
144	Compressed Sensing: From Research to Clinical Practice with Deep Neural Networks. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 111-127	9.4	62
143	Extreme MRI: Large-scale volumetric dynamic imaging from continuous non-gated acquisitions. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 1763-1780	4.4	11
142	4D flow vs. 2D cardiac MRI for the evaluation of pulmonary regurgitation and ventricular volume in repaired tetralogy of Fallot: a retrospective case control study. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 657-669	2.5	10
141	Near-silent distortionless DWI using magnetization-prepared RUFIS. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 170-181	4.4	6
140	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[F] F and [F]FDG: a Focus on Skeletal Lesions. <i>Molecular Imaging and Biology</i> , 2020 , 22, 397-406	3.8	10
139	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. <i>Current Problems in Diagnostic Radiology</i> , 2020 , 49, 173-176	1.6	5
138	Data-driven self-calibration and reconstruction for non-cartesian wave-encoded single-shot fast spin echo using deep learning. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 841-853	5.6	11
137	F-FDG PET/MR Refines Evaluation in Newly Diagnosed Metastatic Urethral Adenocarcinoma. <i>Nuclear Medicine and Molecular Imaging</i> , 2019 , 53, 296-299	1.9	1
136	Deep residual network for off-resonance artifact correction with application to pediatric body MRA with 3D cones. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 1398-1411	4.4	8
135	Evaluation of a Flexible 12-Channel Screen-printed Pediatric MRI Coil. <i>Radiology</i> , 2019 , 291, 180-185	20.5	20
134	An MRI Compatible RF MEMs Controlled Wireless Power Transfer System. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1717-1726	4.1	11
133	Conical ultrashort echo time (UTE) MRI in the evaluation of pediatric acute appendicitis. <i>Abdominal Radiology</i> , 2019 , 44, 22-30	3	4

132	Deep Generative Adversarial Neural Networks for Compressive Sensing MRI. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 167-179	11.7	236
131	Reversal of epigenetic aging and immunosenescent trends in humans. <i>Aging Cell</i> , 2019 , 18, e13028	9.9	174
130	Unsupervised clustering method to convert high-resolution magnetic resonance volumes to three-dimensional acoustic models for full-wave ultrasound simulations. <i>Journal of Medical Imaging</i> , 2019 , 6, 037001	2.6	1
129	Evaluation of atrial septal defects with 4D flow MRI-multilevel and inter-reader reproducibility for quantification of shunt severity. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019 , 32, 269-279	2.8	16
128	Evaluation of the routine use of pelvic MRI in women presenting with symptomatic uterine fibroids: When is pelvic MRI useful?. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, e271-e281	5.6	4
127	Targeted rapid knee MRI exam using T shuffling. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, e195-e204	5.204	7
126	View-Sharing Artifact Reduction With Retrospective Compressed Sensing Reconstruction in the Context of Contrast-Enhanced Liver MRI for Hepatocellular Carcinoma (HCC) Screening. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 984-993	5.6	2
125	Motion-robust reconstruction of multishot diffusion-weighted images without phase estimation through locally low-rank regularization. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1181-1190	4.4	26
124	Robust Self-Calibrating nCPMG Acquisition: Application to Body Diffusion-Weighted Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 200-209	11.7	2
123	The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis. <i>Scientific Reports</i> , 2018 , 8, 3409	4.9	9
122	4D flow MRI quantification of mitral and tricuspid regurgitation: Reproducibility and consistency relative to conventional MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1147-1158	5.6	42
121	A Novel High-Resolution Magnetic Resonance Imaging Protocol Detects Aldosterone-Producing Adenomas in Patients With Negative Computed Tomography. <i>American Journal of Hypertension</i> , 2018 , 31, 928-932	2.3	
120	Total-Body PET/MRI in Oncological Applications 2018 , 169-184		
119	Volumetric segmentation-free method for rapid visualization of vascular wall shear stress using 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 748-755	4.4	8
118	Free-breathing pediatric chest MRI: Performance of self-navigated golden-angle ordered conical ultrashort echo time acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 200-209	5.6	26
117	Automatic renal segmentation for MR urography using 3D-GrabCut and random forests. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1696-1707	4.4	16
116	Prospective Evaluation of Ga-RM2 PET/MRI in Patients with Biochemical Recurrence of Prostate Cancer and Negative Findings on Conventional Imaging. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 803-808	8.9	46
115	Relative value of three whole-body MR approaches for PET-MR, including gadofosveset-enhanced MR, in comparison to PET-CT. <i>Clinical Imaging</i> , 2018 , 48, 62-68	2.7	1

114	Body diffusion-weighted imaging using magnetization prepared single-shot fast spin echo and extended parallel imaging signal averaging. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 3032-3044	4.4	4
113	Self-Calibrating Wave-Encoded Variable-Density Single-Shot Fast Spin Echo Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 954-966	5.6	8
112	Variable-Density Single-Shot Fast Spin-Echo MRI with Deep Learning Reconstruction by Using Variational Networks. <i>Radiology</i> , 2018 , 289, 366-373	20.5	54
111	Safety of ferumoxytol in children undergoing cardiac MRI under general anaesthesia. <i>Cardiology in the Young</i> , 2018 , 28, 916-921	1	6
110	High-resolution 3D volumetric contrast-enhanced MR angiography with a blood pool agent (ferumoxytol) for diagnostic evaluation of pediatric brain arteriovenous malformations. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 22, 251-260	2.1	10
109	Pelvic Blood Flow Predicts Fibroid Volume and Embolic Required for Uterine Fibroid Embolization: A Pilot Study With 4D Flow MR Angiography. <i>American Journal of Roentgenology</i> , 2018 , 210, 189-200	5.4	1
108	Variable refocusing flip angle single-shot fast spin echo imaging of liver lesions: increased speed and lesion contrast. <i>Abdominal Radiology</i> , 2018 , 43, 593-599	3	1
107	F-florbetaben whole-body PET/MRI for evaluation of systemic amyloid deposition. <i>EJNMMI Research</i> , 2018 , 8, 66	3.6	21
106	High-resolution diffusion-weighted imaging of the breast with multiband 2D radiofrequency pulses and a generalized parallel imaging reconstruction. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 209-220	4.4	19
105	3D Cartesian MRI with compressed sensing and variable view sharing using complementary poisson-disc sampling. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1774-1785	4.4	26
104	Resolving phase ambiguity in dual-echo dixon imaging using a projected power method. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 2066-2076	4.4	11
103	T shuffling: Sharp, multicontrast, volumetric fast spin-echo imaging. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 180-195	4.4	80
102	Magnetic Resonance Imaging Versus Ultrasound as the Initial Imaging Modality for Pediatric and Young Adult Patients With Suspected Appendicitis. <i>Academic Emergency Medicine</i> , 2017 , 24, 569-577	3.4	29
101	Current and potential imaging applications of ferumoxytol for magnetic resonance imaging. <i>Kidney International</i> , 2017 , 92, 47-66	9.9	168
100	Autocalibrating motion-corrected wave-encoding for highly accelerated free-breathing abdominal MRI. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 1757-1766	4.4	9
99	Comprehensive Multi-Dimensional MRI for the Simultaneous Assessment of Cardiopulmonary Anatomy and Physiology. <i>Scientific Reports</i> , 2017 , 7, 5330	4.9	26
98	Body Diffusion Weighted Imaging Using Non-CPMG Fast Spin Echo. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 549-559	11.7	6
97	Increased Speed and Image Quality for Pelvic Single-Shot Fast Spin-Echo Imaging with Variable Refocusing Flip Angles and Full-Fourier Acquisition. <i>Radiology</i> , 2017 , 282, 561-568	20.5	15

96	Fast comprehensive single-sequence four-dimensional pediatric knee MRI with T shuffling. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1700-1711	5.6	10
95	Predictors of Nondiagnostic Ultrasound for Appendicitis. <i>Journal of Emergency Medicine</i> , 2017 , 52, 318-323	3.3	15
94	Feasibility of ferumoxytol-enhanced neonatal and young infant cardiac MRI without general anesthesia. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1407-1418	5.6	19
93	An RF-gated wireless power transfer system for wireless MRI receive arrays 2017 , 47B,		11
92	Conspicuity of Malignant Lesions on PET/CT and Simultaneous Time-Of-Flight PET/MRI. <i>PLoS ONE</i> , 2017 , 12, e0167262	3.7	2
91	Depletion-Mode GaN HEMT Q-Spoil Switches for MRI Coils. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2558-2567	11.7	11
90	Decompressing vein and bilateral superior venae cavae in a patient with hypoplastic left heart syndrome. <i>Echocardiography</i> , 2016 , 33, 1428-31	1.5	
89	Remote CMR 4D Flow Quantification of Pulmonary Flow. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18,	6.9	2
88	High temporal resolution dynamic MRI and arterial input function for assessment of GFR in pediatric subjects. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1301-11	4.4	6
87	Robust self-navigated body MRI using dense coil arrays. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 197-205	4.4	25
86	Pilot Comparison of ⁶⁸ Ga-RM2 PET and ⁶⁸ Ga-PSMA-11 PET in Patients with Biochemically Recurrent Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 557-62	8.9	122
85	Hemodynamic safety and efficacy of ferumoxytol as an intravenous contrast agents in pediatric patients and young adults. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 152-8	3.3	34
84	Qualitative grading of aortic regurgitation: a pilot study comparing CMR 4D flow and echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 301-307	2.5	20
83	Combined parenchymal and vascular imaging: High spatiotemporal resolution arterial evaluation of hepatocellular carcinoma. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 859-65	5.6	10
82	A semiflexible 64-channel receive-only phased array for pediatric body MRI at 3T. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1015-21	4.4	20
81	Comprehensive motion-compensated highly accelerated 4D flow MRI with ferumoxytol enhancement for pediatric congenital heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 1355-68	5.6	68
80	Assessment of the precision and reproducibility of ventricular volume, function, and mass measurements with ferumoxytol-enhanced 4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 383-92	5.6	29
79	Cloud-processed 4D CMR flow imaging for pulmonary flow quantification. <i>European Journal of Radiology</i> , 2016 , 85, 1849-1856	4.7	22

78	Safety and technique of ferumoxytol administration for MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 2107-11	4.4	134
77	Congenital heart disease assessment with 4D flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 870-86	5.6	79
76	Faster pediatric 3-T abdominal magnetic resonance imaging: comparison between conventional and variable refocusing flip-angle single-shot fast spin-echo sequences. <i>Pediatric Radiology</i> , 2015 , 45, 847-54	2.8	6
75	Ferumoxytol as an off-label contrast agent in body 3T MR angiography: a pilot study in children. <i>Pediatric Radiology</i> , 2015 , 45, 831-9	2.8	46
74	Sub-8-minute cardiac four dimensional flow MRI using kat ARC and variable density signal averaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	2
73	Improved quantification of absolute and differential pulmonary flow with highly-accelerated 4D-PC MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
72	Simultaneous whole-body time-of-flight 18F-FDG PET/MRI: a pilot study comparing SUVmax with PET/CT and assessment of MR image quality. <i>Clinical Nuclear Medicine</i> , 2015 , 40, 1-8	1.7	59
71	Whole-body simultaneous time-of-flight PET-MRI: early experience with clinical studies. <i>EJNMMI Physics</i> , 2015 , 2, A64	4.4	
70	Imaging patients with breast and prostate cancers using combined 18F NaF/18F FDG and TOF simultaneous PET/ MRI. <i>EJNMMI Physics</i> , 2015 , 2, A65	4.4	2
69	Clinical performance of a free-breathing spatiotemporally accelerated 3-D time-resolved contrast-enhanced pediatric abdominal MR angiography. <i>Pediatric Radiology</i> , 2015 , 45, 1635-43	2.8	11
68	Prospective Comparison of 99mTc-MDP Scintigraphy, Combined 18F-NaF and 18F-FDG PET/CT, and Whole-Body MRI in Patients with Breast and Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1862-8	8.9	78
67	Increased speed and image quality in single-shot fast spin echo imaging via variable refocusing flip angles. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1747-58	5.6	18
66	Fast pediatric 3D free-breathing abdominal dynamic contrast enhanced MRI with high spatiotemporal resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 460-73	5.6	68
65	Free-breathing pediatric MRI with nonrigid motion correction and acceleration. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 407-20	5.6	106
64	Improved quantification and mapping of anomalous pulmonary venous flow with four-dimensional phase-contrast MRI and interactive streamline rendering. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1765-76	5.6	16
63	Inlet and outlet valve flow and regurgitant volume may be directly and reliably quantified with accelerated, volumetric phase-contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 376-85	5.6	36
62	Robust 4D flow denoising using divergence-free wavelet transform. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 828-42	4.4	37
61	Classification of hypervascular liver lesions based on hepatic artery and portal vein blood supply coefficients calculated from triphasic CT scans. <i>Journal of Digital Imaging</i> , 2015 , 28, 213-23	5.3	22

60	High resolution multi-arterial phase MRI improves lesion contrast in chronic liver disease. <i>Clinical and Investigative Medicine</i> , 2015 , 38, E90-9	0.9	10
59	Isolation of the right subclavian artery in a patient with d-transposition of the great arteries. <i>Annals of Pediatric Cardiology</i> , 2015 , 8, 161-3	0.8	9
58	ESPIRiT--an eigenvalue approach to autocalibrating parallel MRI: where SENSE meets GRAPPA. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 990-1001	4.4	577
57	Perforated appendicitis: an underappreciated mimic of intussusception on ultrasound. <i>Pediatric Radiology</i> , 2014 , 44, 535-41	2.8	6
56	An open-label study to evaluate sildenafil for the treatment of lymphatic malformations. <i>Journal of the American Academy of Dermatology</i> , 2014 , 70, 1050-7	4.5	60
55	Investigating the feasibility of rapid MRI for image-guided motion management in lung cancer radiotherapy. <i>BioMed Research International</i> , 2014 , 2014, 485067	3	33
54	Clinical performance of contrast enhanced abdominal pediatric MRI with fast combined parallel imaging compressed sensing reconstruction. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 13-25	5.6	61
53	Enhancement of respiratory navigator-gated three-dimensional spoiled gradient-recalled echo sequence with variable flip angle scheme. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 172-7	4.4	5
52	Principles of Magnetic Resonance Imaging (MRI) 2014 , 41-65		
51	Coil compression for accelerated imaging with Cartesian sampling. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 571-82	4.4	128
50	Pediatric hepatobiliary magnetic resonance imaging. <i>Radiologic Clinics of North America</i> , 2013 , 51, 599-614	4.5	6
49	Abdominal MR imaging in children: motion compensation, sequence optimization, and protocol organization. <i>Radiographics</i> , 2013 , 33, 703-19	5.4	40
48	Improvement of gadoxetate arterial phase capture with a high spatio-temporal resolution multiphase three-dimensional SPGR-Dixon sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 938-45	5.6	24
47	Venous and arterial flow quantification are equally accurate and precise with parallel imaging compressed sensing 4D phase contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 1419-26	5.6	67
46	Noncontrast-enhanced renal angiography using multiple inversion recovery and alternating TR balanced steady-state free precession. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 527-36	4.4	2
45	Estimation of liver T ₁ ρ in transfusion-related iron overload in patients with weighted least squares T ₁ ρ IDEAL. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 183-90	4.4	27
44	Rapid MR venography in children using a blood pool contrast agent and multi-station fat-water-separated volumetric imaging. <i>Pediatric Radiology</i> , 2012 , 42, 242-8	2.8	5
43	Fast ESPIRiT compressed sensing parallel imaging MRI: scalable parallel implementation and clinically feasible runtime. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1250-62	11.7	198

42	Single breathhold three-dimensional cardiac cine MRI with whole ventricular coverage and retrospective cardiac gating using k _{at} ARC. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14,	6.9	2
41	Inversion-recovery-prepared dixon bSSFP: initial clinical experience with a novel pulse sequence for renal MRA within a breathhold. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 875-81	5.6	5
40	Differential Subsampling with Cartesian Ordering (DISCO): a high spatio-temporal resolution Dixon imaging sequence for multiphasic contrast enhanced abdominal imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 1484-92	5.6	90
39	Nonrigid motion correction in 3D using autofocusing with localized linear translations. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 1785-97	4.4	67
38	Images in clinical medicine. Splenic spirals. <i>New England Journal of Medicine</i> , 2012 , 366, 2111	59.2	1
37	Sildenafil for severe lymphatic malformations. <i>New England Journal of Medicine</i> , 2012 , 366, 384-6	59.2	108
36	Rapid pediatric cardiac assessment of flow and ventricular volume with compressed sensing parallel imaging volumetric cine phase-contrast MRI. <i>American Journal of Roentgenology</i> , 2012 , 198, W250-9	5.4	79
35	Evaluation of valvular insufficiency and shunts with parallel-imaging compressed-sensing 4D phase-contrast MR imaging with stereoscopic 3D velocity-fusion volume-rendered visualization. <i>Radiology</i> , 2012 , 265, 87-95	20.5	66
34	Improved cardiovascular flow quantification with time-resolved volumetric phase-contrast MRI. <i>Pediatric Radiology</i> , 2011 , 41, 711-20	2.8	43
33	Volumetric fat-water separated T2-weighted MRI. <i>Pediatric Radiology</i> , 2011 , 41, 875-83	2.8	6
32	Functional hepatobiliary MR imaging in children. <i>Pediatric Radiology</i> , 2011 , 41, 1250-8	2.8	25
31	Advances in pediatric body MRI. <i>Pediatric Radiology</i> , 2011 , 41 Suppl 2, 549-54	2.8	40
30	Active gastrointestinal hemorrhage identification by blood pool contrast-enhanced magnetic resonance angiography. <i>Pediatric Radiology</i> , 2011 , 41, 1198-200	2.8	10
29	Point/counterpoint: dose-related issues in cardiac CT imaging. <i>Pediatric Radiology</i> , 2011 , 41 Suppl 2, 528-38	2.8	5
28	Combined respiratory and cardiac triggering improves blood pool contrast-enhanced pediatric cardiovascular MRI. <i>Pediatric Radiology</i> , 2011 , 41, 1536-44	2.8	8
27	An approach to pediatric liver MRI. <i>American Journal of Roentgenology</i> , 2011 , 196, W519-26	5.4	14
26	Respiratory navigated free breathing 3D spoiled gradient-recalled echo sequence for contrast-enhanced examination of the liver: diagnostic utility and comparison with free breathing and breath-hold conventional examinations. <i>American Journal of Roentgenology</i> , 2010 , 195, 687-91	5.4	20
25	Improved pediatric MR imaging with compressed sensing. <i>Radiology</i> , 2010 , 256, 607-16	20.5	180

24	State-of-the-art in pediatric body and musculoskeletal magnetic resonance imaging. <i>Seminars in Ultrasound, CT and MRI</i> , 2010 , 31, 86-99	1.7	11
23	Navigated abdominal T1-W MRI permits free-breathing image acquisition with less motion artifact. <i>Pediatric Radiology</i> , 2010 , 40, 340-4	2.8	44
22	MRI of the liver--how to do it. <i>Pediatric Radiology</i> , 2010 , 40, 431-7	2.8	12
21	A method of rapid robust respiratory synchronization for MRI. <i>Pediatric Radiology</i> , 2010 , 40, 1690-2	2.8	7
20	Adrenal and renal corticomedullary junction iron deposition in red cell aplasia. <i>Pediatric Radiology</i> , 2010 , 40, 1955-7	2.8	4
19	T(2) relaxation times of (13)C metabolites in a rat hepatocellular carcinoma model measured in vivo using (13)C-MRS of hyperpolarized [1-(13)C]pyruvate. <i>NMR in Biomedicine</i> , 2010 , 23, 414-23	4.4	50
18	MR voiding cystography for evaluation of vesicoureteral reflux. <i>American Journal of Roentgenology</i> , 2009 , 192, W206-11	5.4	14
17	Appendiceal hyperemia and/or distention is not always appendicitis: appendicitis mimicry in the pediatric population. <i>Clinical Imaging</i> , 2009 , 33, 402-5	2.7	1
16	Magnetic resonance imaging for uterine and vaginal anomalies. <i>Current Opinion in Obstetrics and Gynecology</i> , 2009 , 21, 379-89	2.4	24
15	Advances in pediatric MR imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2008 , 16, 385-402, v	1.6	19
14	Balanced SSFP imaging of the musculoskeletal system. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 270-8	5.6	24
13	Dual-acquisition phase-sensitive fat-water separation using balanced steady-state free precession. <i>Magnetic Resonance Imaging</i> , 2006 , 24, 113-22	3.3	19
12	Articular cartilage of the knee: evaluation with fluctuating equilibrium MR imaging--initial experience in healthy volunteers. <i>Radiology</i> , 2006 , 238, 712-8	20.5	46
11	Value of delayed imaging in MDCT of the abdomen and pelvis. <i>American Journal of Roentgenology</i> , 2006 , 187, 154-63	5.4	13
10	Accommodation of requests for emergency US and CT: applications of queueing theory to scheduling of urgent studies. <i>Radiology</i> , 2005 , 235, 244-9	20.5	20
9	Rapid musculoskeletal MRI with phase-sensitive steady-state free precession: comparison with routine knee MRI. <i>American Journal of Roentgenology</i> , 2005 , 184, 1450-5	5.4	34
8	Controversies in protocol selection in the imaging of articular cartilage. <i>Seminars in Musculoskeletal Radiology</i> , 2005 , 9, 161-72	1.8	16
7	Analysis of multiple-acquisition SSFP. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 1038-47	4.4	143

6	Comparison of new sequences for high-resolution cartilage imaging. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 700-9	4.4	101
5	Fat-suppressed steady-state free precession imaging using phase detection. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 210-3	4.4	97
4	Characterization and reduction of the transient response in steady-state MR imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 149-58	4.4	150
3	Linear combination steady-state free precession MRI. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 82-90	4.4	118
2	Prospective MR signal-based cardiac triggering. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 82-6	4.4	7
1	Fluctuating equilibrium MRI. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 876-83	4.4	82