Shreyas S Vasanawala

List of Publications by Year
in descending order

173 papers	7,769 citations	53794 45 h-index	58581 82 g-index
174 all docs	174 docs citations	174 times ranked	7415 citing authors

#	Article	IF	Citations
1	ESPIRiTâ€"an eigenvalue approach to autocalibrating parallel MRI: Where SENSE meets GRAPPA. Magnetic Resonance in Medicine, 2014, 71, 990-1001.	3.0	864
2	Deep Generative Adversarial Neural Networks for Compressive Sensing MRI. IEEE Transactions on Medical Imaging, 2019, 38, 167-179.	8.9	373
3	Reversal of epigenetic aging and immunosenescent trends in humans. Aging Cell, 2019, 18, e13028.	6.7	335
4	Fast ell_1-SPIRiT Compressed Sensing Parallel Imaging MRI: Scalable Parallel Implementation and Clinically Feasible Runtime. IEEE Transactions on Medical Imaging, 2012, 31, 1250-1262.	8.9	246
5	Current and potential imaging applications of ferumoxytol for magnetic resonance imaging. Kidney International, 2017, 92, 47-66.	5.2	230
6	Improved Pediatric MR Imaging with Compressed Sensing. Radiology, 2010, 256, 607-616.	7.3	219
7	Coil compression for accelerated imaging with Cartesian sampling. Magnetic Resonance in Medicine, 2013, 69, 571-582.	3.0	185
8	Safety and technique of ferumoxytol administration for MRI. Magnetic Resonance in Medicine, 2016, 75, 2107-2111.	3.0	171
9	Analysis of multiple-acquisition SSFP. Magnetic Resonance in Medicine, 2004, 51, 1038-1047.	3.0	163
10	Characterization and reduction of the transient response in steady-state MR imaging. Magnetic Resonance in Medicine, 2001, 46, 149-158.	3.0	162
11	Pilot Comparison of ⁶⁸Ga-RM2 PET and ⁶⁸Ga-PSMA-11 PET in Patients with Biochemically Recurrent Prostate Cancer. Journal of Nuclear Medicine, 2016, 57, 557-562.	5.0	155
12	Sildenafil for Severe Lymphatic Malformations. New England Journal of Medicine, 2012, 366, 384-386.	27.0	133
13	T₂ shuffling: Sharp, multicontrast, volumetric fast spinâ€echo imaging. Magnetic Resonance in Medicine, 2017, 77, 180-195.	3.0	133
14	Linear combination steady-state free precession MRI. Magnetic Resonance in Medicine, 2000, 43, 82-90.	3.0	129
15	Compressed Sensing: From Research to Clinical Practice With Deep Neural Networks: Shortening Scan Times for Magnetic Resonance Imaging. IEEE Signal Processing Magazine, 2020, 37, 117-127.	5.6	121
16	DIfferential subsampling with cartesian ordering (DISCO): A high spatioâ€temporal resolution dixon imaging sequence for multiphasic contrast enhanced abdominal imaging. Journal of Magnetic Resonance Imaging, 2012, 35, 1484-1492.	3.4	118
17	Free-breathing pediatric MRI with nonrigid motion correction and acceleration. Journal of Magnetic Resonance Imaging, 2015, 42, 407-420.	3.4	117
18	Comparison of new sequences for high-resolution cartilage imaging. Magnetic Resonance in Medicine, 2003, 49, 700-709.	3.0	106

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19	Congenital heart disease assessment with 4D flow MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 870-886.	3.4	103
20	Fat-suppressed steady-state free precession imaging using phase detection. Magnetic Resonance in Medicine, 2003, 50, 210-213.	3.0	101
21	Prospective Comparison of ^{99m}Tc-MDP Scintigraphy, Combined ¹⁸F-NaF and ¹⁸F-FDG PET/CT, and Whole-Body MRI in Patients with Breast and Prostate Cancer. Journal of Nuclear Medicine, 2015, 56, 1862-1868.	5.0	95
22	Variable-Density Single-Shot Fast Spin-Echo MRI with Deep Learning Reconstruction by Using Variational Networks. Radiology, 2018, 289, 366-373.	7.3	93
23	Rapid Pediatric Cardiac Assessment of Flow and Ventricular Volume With Compressed Sensing Parallel Imaging Volumetric Cine Phase-Contrast MRI. American Journal of Roentgenology, 2012, 198, W250-W259.	2.2	92
24	Comprehensive motionâ€compensated highly accelerated 4D flow MRI with ferumoxytol enhancement for pediatric congenital heart disease. Journal of Magnetic Resonance Imaging, 2016, 43, 1355-1368.	3.4	92
25	Fluctuating equilibrium MRI. Magnetic Resonance in Medicine, 1999, 42, 876-883.	3.0	84
26	Venous and arterial flow quantification are equally accurate and precise with parallel imaging compressed sensing 4D phase contrast MRI. Journal of Magnetic Resonance Imaging, 2013, 37, 1419-1426.	3.4	82
27	Fast pediatric 3D freeâ€breathing abdominal dynamic contrast enhanced MRI with high spatiotemporal resolution. Journal of Magnetic Resonance Imaging, 2015, 41, 460-473.	3.4	80
28	Accelerating cardiac cine MRI using a deep learningâ€based ESPIRiT reconstruction. Magnetic Resonance in Medicine, 2021, 85, 152-167.	3.0	80
29	Clinical performance of contrast enhanced abdominal pediatric MRI with fast combined parallel imaging compressed sensing reconstruction. Journal of Magnetic Resonance Imaging, 2014, 40, 13-25.	3.4	79
30	Evaluation of Valvular Insufficiency and Shunts with Parallel-imaging Compressed-sensing 4D Phase-contrast MR Imaging with Stereoscopic 3D Velocity-fusion Volume-rendered Visualization. Radiology, 2012, 265, 87-95.	7.3	78
31	Nonrigid motion correction in 3D using autofocusing withlocalized linear translations. Magnetic Resonance in Medicine, 2012, 68, 1785-1797.	3.0	78
32	An open-label study to evaluate sildenafil for the treatment of lymphatic malformations. Journal of the American Academy of Dermatology, 2014, 70, 1050-1057.	1.2	78
33	Simultaneous Whole-Body Time-of-Flight 18F-FDG PET/MRI. Clinical Nuclear Medicine, 2015, 40, 1-8.	1.3	70
34	Prospective Evaluation of ⁶⁸Ga-RM2 PET/MRI in Patients with Biochemical Recurrence of Prostate Cancer and Negative Findings on Conventional Imaging. Journal of Nuclear Medicine, 2018, 59, 803-808.	5.0	70
35	4D flow MRI quantification of mitral and tricuspid regurgitation: Reproducibility and consistency relative to conventional MRI. Journal of Magnetic Resonance Imaging, 2018, 48, 1147-1158.	3.4	64
36	T₂relaxation times of¹³C metabolites in a rat hepatocellular carcinoma model measuredin vivousing¹³C-MRS of hyperpolarized [1-¹³C]pyruvate. NMR in Biomedicine, 2010, 23, n/a-n/a.	2.8	58

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37	Analysis of deep complexâ€valued convolutional neural networks for MRI reconstruction and phaseâ€focused applications. Magnetic Resonance in Medicine, 2021, 86, 1093-1109.	3.0	58
38	Uncertainty Quantification in Deep MRI Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 239-250.	8.9	54
39	Ferumoxytol as an off-label contrast agent in body 3T MR angiography: a pilot study in children. Pediatric Radiology, 2015, 45, 831-839.	2.0	53
40	Abdominal MR Imaging in Children: Motion Compensation, Sequence Optimization, and Protocol Organization. Radiographics, 2013, 33, 703-719.	3.3	50
41	Navigated abdominal T1-W MRI permits free-breathing image acquisition with less motion artifact. Pediatric Radiology, 2010, 40, 340-344.	2.0	49
42	Articular Cartilage of the Knee: Evaluation with Fluctuating Equilibrium MR Imagingâ€"Initial Experience in Healthy Volunteers. Radiology, 2006, 238, 712-718.	7.3	48
43	Improved cardiovascular flow quantification with time-resolved volumetric phase-contrast MRI. Pediatric Radiology, 2011, 41, 711-720.	2.0	48
44	Inlet and outlet valve flow and regurgitant volume may be directly and reliably quantified with accelerated, volumetric phaseâ€contrast MRI. Journal of Magnetic Resonance Imaging, 2015, 41, 376-385.	3.4	48
45	Advances in pediatric body MRI. Pediatric Radiology, 2011, 41, 549-554.	2.0	47
46	Robust 4D flow denoising using divergenceâ€free wavelet transform. Magnetic Resonance in Medicine, 2015, 73, 828-842.	3.0	46
47	Prospective Deployment of Deep Learning in <scp>MRI</scp>: A Framework for Important Considerations, Challenges, and Recommendations for Best Practices. Journal of Magnetic Resonance Imaging, 2021, 54, 357-371.	3.4	44
48	Motionâ€robust reconstruction of multishot diffusionâ€weighted images without phase estimation through locally lowâ€rank regularization. Magnetic Resonance in Medicine, 2019, 81, 1181-1190.	3.0	43
49	Investigating the Feasibility of Rapid MRI for Image-Guided Motion Management in Lung Cancer Radiotherapy. BioMed Research International, 2014, 2014, 1-6.	1.9	41
50	Assessment of the precision and reproducibility of ventricular volume, function, and mass measurements with ferumoxytolâ€enhanced 4D flow MRI. Journal of Magnetic Resonance Imaging, 2016, 44, 383-392.	3.4	39
51	Freeâ€breathing pediatric chest MRI: Performance of selfâ€navigated goldenâ€angle ordered conical ultrashort echo time acquisition. Journal of Magnetic Resonance Imaging, 2018, 47, 200-209.	3.4	38
52	Rapid Musculoskeletal MRI with Phase-Sensitive Steady-State Free Precession: Comparison with Routine Knee MRI. American Journal of Roentgenology, 2005, 184, 1450-1455.	2.2	37
53	Magnetic Resonance Imaging Versus Ultrasound as the Initial Imaging Modality for Pediatric and Young Adult Patients With Suspected Appendicitis. Academic Emergency Medicine, 2017, 24, 569-577.	1.8	37
54	Hemodynamic safety and efficacy of ferumoxytol as an intravenous contrast agents in pediatric patients and young adults. Magnetic Resonance Imaging, 2016, 34, 152-158.	1.8	36

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55	3D Cartesian MRI with compressed sensing and variable view sharing using complementary poissonâ€disc sampling. Magnetic Resonance in Medicine, 2017, 77, 1774-1785.	3.0	36
56	Comprehensive Multi-Dimensional MRI for the Simultaneous Assessment of Cardiopulmonary Anatomy and Physiology. Scientific Reports, 2017, 7, 5330.	3.3	36
57	Wasserstein GANs for MR Imaging: From Paired to Unpaired Training. IEEE Transactions on Medical Imaging, 2021, 40, 105-115.	8.9	36
58	Evaluation of a Flexible 12-Channel Screen-printed Pediatric MRI Coil. Radiology, 2019, 291, 180-185.	7.3	35
59	Robust selfâ€navigated body <scp>MRI</scp> using dense coil arrays. Magnetic Resonance in Medicine, 2016, 76, 197-205.	3.0	34
60	Evaluation of atrial septal defects with 4D flow MRIâ€"multilevel and inter-reader reproducibility for quantification of shunt severity. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 269-279.	2.0	34
61	Cloud-processed 4D CMR flow imaging for pulmonary flow quantification. European Journal of Radiology, 2016, 85, 1849-1856.	2.6	32
62	Classification of Hypervascular Liver Lesions Based on Hepatic Artery and Portal Vein Blood Supply Coefficients Calculated from Triphasic CT Scans. Journal of Digital Imaging, 2015, 28, 213-223.	2.9	31
63	Feasibility of ferumoxytolâ€enhanced neonatal and young infant cardiac MRI without general anesthesia. Journal of Magnetic Resonance Imaging, 2017, 45, 1407-1418.	3.4	31
64	Extreme MRI: Largeâ€scale volumetric dynamic imaging from continuous nonâ€gated acquisitions. Magnetic Resonance in Medicine, 2020, 84, 1763-1780.	3.0	31
65	Estimation of liver T*₂ in transfusionâ€related iron overload in patients with weighted least squares T*₂ IDEAL. Magnetic Resonance in Medicine, 2012, 67, 183-190.	3.0	30
66	Functional hepatobiliary MR imaging in children. Pediatric Radiology, 2011, 41, 1250-1258.	2.0	28
67	Qualitative grading of aortic regurgitation: a pilot study comparing CMR 4D flow and echocardiography. International Journal of Cardiovascular Imaging, 2016, 32, 301-307.	1.5	28
68	Balanced SSFP imaging of the musculoskeletal system. Journal of Magnetic Resonance Imaging, 2007, 25, 270-278.	3.4	27
69	Magnetic resonance imaging for uterine and vaginal anomalies. Current Opinion in Obstetrics and Gynecology, 2009, 21, 379-389.	2.0	27
70	Improvement of gadoxetate arterial phase capture with a high spatioâ€temporal resolution multiphase threeâ€dimensional SPGRâ€dixon sequence. Journal of Magnetic Resonance Imaging, 2013, 38, 938-945.	3.4	27
71	18F-florbetaben whole-body PET/MRI for evaluation of systemic amyloid deposition. EJNMMI Research, 2018, 8, 66.	2.5	27
72	Increased speed and image quality in singleâ€shot fast spin echo imaging via variable refocusing flip angles. Journal of Magnetic Resonance Imaging, 2015, 42, 1747-1758.	3.4	26

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73	Automatic renal segmentation for MR urography using 3Dâ€GrabCut and random forests. Magnetic Resonance in Medicine, 2018, 79, 1696-1707.	3.0	26
74	Accommodation of Requests for Emergency US and CT: Applications of Queueing Theory to Scheduling of Urgent Studies. Radiology, 2005, 235, 244-249.	7.3	24
75	Controversies in Protocol Selection in the Imaging of Articular Cartilage. Seminars in Musculoskeletal Radiology, 2005, 9, 161-172.	0.7	24
76	A semiflexible 64â€channel receiveâ€only phased array for pediatric body <scp>MRI</scp> at 3T. Magnetic Resonance in Medicine, 2016, 76, 1015-1021.	3.0	24
77	Highâ€resolution diffusionâ€weighted imaging of the breast with multiband <scp>2D</scp> radiofrequency pulses and a generalized parallel imaging reconstruction. Magnetic Resonance in Medicine, 2017, 77, 209-220.	3.0	24
78	Advances in Pediatric MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2008, 16, 385-402.	1.1	23
79	Free-breathing Accelerated Cardiac MRI Using Deep Learning: Validation in Children and Young Adults. Radiology, 2021, 300, 539-548.	7.3	22
80	Predictors of Nondiagnostic Ultrasound for Appendicitis. Journal of Emergency Medicine, 2017, 52, 318-323.	0.7	21
81	Dual-acquisition phase-sensitive fatâ€"water separation using balanced steady-state free precession. Magnetic Resonance Imaging, 2006, 24, 113-122.	1.8	20
82	MR Voiding Cystography for Evaluation of Vesicoureteral Reflux. American Journal of Roentgenology, 2009, 192, W206-W211.	2.2	20
83	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. American Journal of Roentgenology, 2010, 195, 687-691.	2.2	20
84	Dataâ€driven selfâ€calibration and reconstruction for nonâ€cartesian waveâ€encoded singleâ€shot fast spin echo using deep learning. Journal of Magnetic Resonance Imaging, 2020, 51, 841-853.	3.4	20
85	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. International Journal of Cardiovascular Imaging, 2020, 36, 657-669.	1.5	20
86	Improved quantification and mapping of anomalous pulmonary venous flow with fourâ€dimensional phaseâ€contrast MRI and interactive streamline rendering. Journal of Magnetic Resonance Imaging, 2015, 42, 1765-1776.	3.4	19
87	Practical protocol for lung magnetic resonance imaging and common clinical indications. Pediatric Radiology, 2022, 52, 295-311.	2.0	19
88	Resolving phase ambiguity in dualâ€echo dixon imaging using a projected power method. Magnetic Resonance in Medicine, 2017, 77, 2066-2076.	3.0	18
89	Increased Speed and Image Quality for Pelvic Single-Shot Fast Spin-Echo Imaging with Variable Refocusing Flip Angles and Full-Fourier Acquisition. Radiology, 2017, 282, 561-568.	7.3	18
90	An Approach to Pediatric Liver MRI. American Journal of Roentgenology, 2011, 196, W519-W526.	2.2	16

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91	Deep residual network for offâ€resonance artifact correction with application to pediatric body MRA with 3D cones. Magnetic Resonance in Medicine, 2019, 82, 1398-1411.	3.0	16
92	Value of Delayed Imaging in MDCT of the Abdomen and Pelvis. American Journal of Roentgenology, 2006, 187, 154-163.	2.2	15
93	Depletion-Mode GaN HEMT Q-Spoil Switches for MRI Coils. IEEE Transactions on Medical Imaging, 2016, 35, 2558-2567.	8.9	15
94	An RFâ€gated wireless power transfer system for wireless MRI receive arrays. Concepts in Magnetic Resonance Part B, 2017, 47B, .	0.7	15
95	High-resolution 3D volumetric contrast-enhanced MR angiography with a blood pool agent (ferumoxytol) for diagnostic evaluation of pediatric brain arteriovenous malformations. Journal of Neurosurgery: Pediatrics, 2018, 22, 251-260.	1.3	15
96	An MRI Compatible RF MEMs Controlled Wireless Power Transfer System. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1717-1726.	4.6	15
97	Diagnostic Image Quality Assessment and Classification in Medical Imaging: Opportunities and Challenges. , 2020, 2020, 337-340.		15
98	Fast comprehensive singleâ€sequence fourâ€dimensional pediatric knee MRI with T₂ shuffling. Journal of Magnetic Resonance Imaging, 2017, 45, 1700-1711.	3.4	14
99	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[18F] F and [18F]FDG: a Focus on Skeletal Lesions. Molecular Imaging and Biology, 2020, 22, 397-406.	2.6	14
100	Nearâ€silent distortionless DWI using magnetizationâ€prepared RUFIS. Magnetic Resonance in Medicine, 2020, 84, 170-181.	3.0	14
101	Artifact- and content-specific quality assessment for MRI with image rulers. Medical Image Analysis, 2022, 77, 102344.	11.6	14
102	Clinical performance of a free-breathing spatiotemporally accelerated 3-D time-resolved contrast-enhanced pediatric abdominal MR angiography. Pediatric Radiology, 2015, 45, 1635-1643.	2.0	13
103	The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis. Scientific Reports, 2018, 8, 3409.	3.3	13
104	Selfâ€Calibrating Waveâ€Encoded Variableâ€Density Singleâ€Shot Fast Spin Echo Imaging. Journal of Magnetic Resonance Imaging, 2018, 47, 954-966.	3.4	13
105	Targeted rapid knee MRI exam using T₂ shuffling. Journal of Magnetic Resonance Imaging, 2019, 49, e195-e204.	3.4	13
106	High resolution multi-arterial phase MRI improves lesion contrast in chronic liver disease. Clinical and Investigative Medicine, 2015, 38, 90.	0.6	13
107	MRI of the liverâ€"how to do it. Pediatric Radiology, 2010, 40, 431-437.	2.0	12
108	State-of-the-Art in Pediatric Body and Musculoskeletal Magnetic Resonance Imaging. Seminars in Ultrasound, CT and MRI, 2010, 31, 86-99.	1.5	12

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109	Combined parenchymal and vascular imaging: High spatiotemporal resolution arterial evaluation of hepatocellular carcinoma. Journal of Magnetic Resonance Imaging, 2016, 43, 859-865.	3.4	12
110	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. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 33.	3.3	12
111	Quantification of the Hemodynamic Changes of Cirrhosis with Freeâ€Breathing Selfâ€Navigated <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2021, 53, 1410-1421.	3.4	12
112	Hemodynamic Assessment of Structural Heart Disease Using 4D Flow MRI: How We Do It. American Journal of Roentgenology, 2021, 217, 1322-1332.	2.2	12
113	Volumetric segmentationâ€free method for rapid visualization of vascular wall shear stress using 4D flow MRI. Magnetic Resonance in Medicine, 2018, 80, 748-755.	3.0	11
114	Isolation of the right subclavian artery in a patient with d-transposition of the great arteries. Annals of Pediatric Cardiology, 2015, 8, 161.	0.5	11
115	Active gastrointestinal hemorrhage identification by blood pool contrast-enhanced magnetic resonance angiography. Pediatric Radiology, 2011, 41, 1198-1200.	2.0	10
116	Perforated appendicitis: an underappreciated mimic of intussusception on ultrasound. Pediatric Radiology, 2014, 44, 535-541.	2.0	10
117	Autocalibrating motionâ€corrected waveâ€encoding for highly accelerated freeâ€breathing abdominal MRI. Magnetic Resonance in Medicine, 2017, 78, 1757-1766.	3.0	10
118	Body Diffusion Weighted Imaging Using Non-CPMG Fast Spin Echo. IEEE Transactions on Medical Imaging, 2017, 36, 549-559.	8.9	9
119	Safety of ferumoxytol in children undergoing cardiac MRI under general anaesthesia. Cardiology in the Young, 2018, 28, 916-921.	0.8	9
120	Upstream Machine Learning in Radiology. Radiologic Clinics of North America, 2021, 59, 967-985.	1.8	9
121	Deep Learning Automated Background Phase Error Correction for Abdominopelvic 4D Flow MRI. Radiology, 2022, 302, 584-592.	7.3	9
122	Combined respiratory and cardiac triggering improves blood pool contrast-enhanced pediatric cardiovascular MRI. Pediatric Radiology, 2011, 41, 1536-1544.	2.0	8
123	Faster pediatric 3-T abdominal magnetic resonance imaging: comparison between conventional and variable refocusing flip-angle single-shot fast spin-echo sequences. Pediatric Radiology, 2015, 45, 847-854.	2.0	8
124	Zero echo time pediatric musculoskeletal magnetic resonance imaging: initial experience. Pediatric Radiology, 2021, 51, 2549-2560.	2.0	8
125	Prospective MR signal-based cardiac triggering. Magnetic Resonance in Medicine, 1999, 42, 82-86.	3.0	7
126	A method of rapid robust respiratory synchronization for MRI. Pediatric Radiology, 2010, 40, 1690-1692.	2.0	7

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127	Volumetric fat-water separated T2-weighted MRI. Pediatric Radiology, 2011, 41, 875-883.	2.0	7
128	Enhancement of respiratory navigator-gated three-dimensional spoiled gradient-recalled echo sequence with variable flip angle scheme. Magnetic Resonance in Medicine, 2014, 72, 172-177.	3.0	7
129	High temporal resolution dynamic MRI and arterial input function for assessment of GFR in pediatric subjects. Magnetic Resonance in Medicine, 2016, 75, 1301-1311.	3.0	7
130	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. Current Problems in Diagnostic Radiology, 2020, 49, 173-176.	1.4	7
131	Nearâ€Silent and Distortionâ€Free Diffusion MRI in Pediatric Musculoskeletal Disorders: Comparison With Echo Planar Imaging Diffusion. Journal of Magnetic Resonance Imaging, 2021, 53, 504-513.	3.4	7
132	Point/counterpoint: dose-related issues in cardiac CT imaging. Pediatric Radiology, 2011, 41, 528-533.	2.0	6
133	Inversionâ€recoveryâ€prepared dixon bSSFP: Initial clinical experience with a novel pulse sequence for renal MRA within a breathhold. Journal of Magnetic Resonance Imaging, 2012, 35, 875-881.	3.4	6
134	Pediatric Hepatobiliary Magnetic Resonance Imaging. Radiologic Clinics of North America, 2013, 51, 599-614.	1.8	6
135	Body diffusionâ€weighted imaging using magnetization prepared singleâ€shot fast spin echo and extended parallel imaging signal averaging. Magnetic Resonance in Medicine, 2018, 79, 3032-3044.	3.0	6
136	Pelvic Blood Flow Predicts Fibroid Volume and Embolic Required for Uterine Fibroid Embolization: A Pilot Study With 4D Flow MR Angiography. American Journal of Roentgenology, 2018, 210, 189-200.	2.2	6
137	Viewâ€Sharing Artifact Reduction With Retrospective Compressed Sensing Reconstruction in the Context of Contrastâ€Enhanced Liver MRI for Hepatocellular Carcinoma (HCC) Screening. Journal of Magnetic Resonance Imaging, 2019, 49, 984-993.	3.4	6
138	Rosette Trajectories Enable Ungated, Motionâ€Robust, Simultaneous Cardiac and Liver T 2 * Iron Assessment. Journal of Magnetic Resonance Imaging, 2020, 52, 1688-1698.	3.4	6
139	Multi-scale Unrolled Deep Learning Framework for Accelerated Magnetic Resonance Imaging. , 2020, 2020, 1056-1059.		6
140	Freeâ€breathing mapping of hepatic iron overload in children using 3D multiâ€echo UTE cones MRI. Magnetic Resonance in Medicine, 2021, 85, 2608-2621.	3.0	6
141	Adrenal and renal corticomedullary junction iron deposition in red cell aplasia. Pediatric Radiology, 2010, 40, 1955-1957.	2.0	5
142	Rapid MR venography in children using a blood pool contrast agent and multi-station fat-water-separated volumetric imaging. Pediatric Radiology, 2012, 42, 242-248.	2.0	5
143	Fast Unsupervised MRI Reconstruction Without Fully-Sampled Ground Truth Data Using Generative Adversarial Networks. , 2021, , .		5
144	Conical ultrashort echo time (UTE) MRI in the evaluation of pediatric acute appendicitis. Abdominal Radiology, 2019, 44, 22-30.	2.1	4

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145	Evaluation of the routine use of pelvic MRI in women presenting with symptomatic uterine fibroids: When is pelvic MRI useful?. Journal of Magnetic Resonance Imaging, 2019, 49, e271-e281.	3.4	4
146	Invited Commentary: Reducing Sedation and Anesthesia in Pediatric Patients at MRI. Radiographics, 2020, 40, 503-504.	3.3	4
147	Volumetric and multispectral DWI near metallic implants using a nonâ€linear phase Carrâ€Purcellâ€Meiboomâ€Gill diffusion preparation. Magnetic Resonance in Medicine, 2022, 87, 2650-2666.	3.0	4
148	Sub-8-minute cardiac four dimensional flow MRI using kat ARC and variable density signal averaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q36.	3.3	3
149	18F-FDG PET/MR Refines Evaluation in Newly Diagnosed Metastatic Urethral Adenocarcinoma. Nuclear Medicine and Molecular Imaging, 2019, 53, 296-299.	1.0	3
150	Conspicuity of Malignant Lesions on PET/CT and Simultaneous Time-Of-Flight PET/MRI. PLoS ONE, 2017, 12, e0167262.	2.5	3
151	Single breathhold three-dimensional cardiac cine MRI with whole ventricular coverage and retrospective cardiac gating using kat ARC. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	2
152	Noncontrastâ€enhanced renal angiography using multiple inversion recovery and alternating TR balanced steadyâ€state free precession. Magnetic Resonance in Medicine, 2013, 70, 527-536.	3.0	2
153	Imaging patients with breast and prostate cancers using combined 18F NaF/18F FDG and TOF simultaneous PET/ MRI. EJNMMI Physics, 2015, 2, A65.	2.7	2
154	Remote CMR 4D Flow Quantification of Pulmonary Flow. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P307.	3.3	2
155	Robust Self-Calibrating nCPMG Acquisition: Application to Body Diffusion-Weighted Imaging. IEEE Transactions on Medical Imaging, 2018, 37, 200-209.	8.9	2
156	Variable refocusing flip angle single-shot fast spin echo imaging of liver lesions: increased speed and lesion contrast. Abdominal Radiology, 2018, 43, 593-599.	2.1	2
157	K-space refinement in deep learning MR reconstruction via regularizing scan specific SPIRiT-based self consistency. , 2021, , .		2
158	Improving high frequency image features of deep learning reconstructions via kâ€space refinement with nullâ€space kernel. Magnetic Resonance in Medicine, 2022, , .	3.0	2
159	Appendiceal hyperemia and/or distention is not always appendicitis: appendicitis mimicry in the pediatric population. Clinical Imaging, 2009, 33, 402-405.	1.5	1
160	Splenic Spirals. New England Journal of Medicine, 2012, 366, 2111-2111.	27.0	1
161	Feasibility of ultra-high-dimensional flow imaging for rapid pediatric cardiopulmonary MRI. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P217.	3.3	1
162	Global left ventricular function quantification with CMR 4D Flow. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P308.	3.3	1

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163	Relative value of three whole-body MR approaches for PET-MR, including gadofosveset-enhanced MR, in comparison to PET-CT. Clinical Imaging, 2018, 48, 62-68.	1.5	1
164	Variable Refocusing Flip Angle Single-Shot Imaging for Sedation-Free Fast Brain MRI. American Journal of Neuroradiology, 2020, 41, 1256-1262.	2.4	1
165	Unsupervised clustering method to convert high-resolution magnetic resonance volumes to three-dimensional acoustic models for full-wave ultrasound simulations. Journal of Medical Imaging, 2019, 6, 1.	1.5	1
166	Improved quantification of absolute and differential pulmonary flow with highly-accelerated 4D-PC MRI. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
167	Whole-body simultaneous time-of-flight PET-MRI: early experience with clinical studies. EJNMMI Physics, 2015, 2, A64.	2.7	0
168	Decompressing vein and bilateral superior venae cavae in a patient with hypoplastic left heart syndrome. Echocardiography, 2016, 33, 1428-1431.	0.9	0
169	A Novel High-Resolution Magnetic Resonance Imaging Protocol Detects Aldosterone-Producing Adenomas in Patients With Negative Computed Tomography. American Journal of Hypertension, 2018, 31, 928-932.	2.0	0
170	Total-Body PET/MRI in Oncological Applications. , 2018, , 169-184.		0
171	Principles of Magnetic Resonance Imaging (MRI). , 2014, , 41-65.		0
172	Left Subclavian Artery Isolation with Right Aortic Arch and D-Transposition of the Great Arteries. Case, 2021, 5, 392-398.	0.3	0
173	William H. Northway, MD (1932â€“2022). Pediatric Radiology, 2022, , 1.	2.0	0