Ramkumar Krishnamurthy

List of Publications by Year
in descending order

28 papers	1,067 citations	623734 14 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	2237 citing authors

#	Article	IF	Citations
1	Geometrical confinement of gadolinium-based contrast agents in nanoporous particles enhances T1 contrast. Nature Nanotechnology, 2010, 5, 815-821.	31.5	379
2	Clinical validation of free breathing respiratory triggered retrospectively cardiac gated cine balanced steady-state free precession cardiovascular magnetic resonance in sedated children. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 1.	3.3	111
3	Assessment of Sequential PET/MRI in Comparison With PET/CT of Pediatric Lymphoma: A Prospective Study. American Journal of Roentgenology, 2016, 206, 623-631.	2.2	67
4	Gadonanotubes as magnetic nanolabels for stem cell detection. Biomaterials, 2010, 31, 9482-9491.	11.4	65
5	Reducing sedation for pediatric body MRI using accelerated and abbreviated imaging protocols. Pediatric Radiology, 2018, 48, 37-49.	2.0	64
6	Mother's pre-pregnancy BMI is an important determinant of adverse cardiometabolic risk in childhood. Pediatric Diabetes, 2015, 16, 419-426.	2.9	62
7	Urine Albumin-to-Creatinine Ratio: A Marker of Early Endothelial Dysfunction in Youth. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3393-3399.	3.6	43
8	Comparison of the diagnostic accuracy of PET/MRI to PET/CT-acquired FDG brain exams for seizure focus detection: a prospective study. Pediatric Radiology, 2017, 47, 1500-1507.	2.0	33
9	Endothelial Function in Youth: A Biomarker Modulated by Adiposity-Related Insulin Resistance. Journal of Pediatrics, 2016, 178, 171-177.	1.8	24
10	Tools for cardiovascular magnetic resonance imaging. Cardiovascular Diagnosis and Therapy, 2014, 4, 104-25.	1.7	24
11	Myocardial stress perfusion magnetic resonance: initial experience in a pediatric and young adult population using regadenoson. Pediatric Radiology, 2017, 47, 280-289.	2.0	23
12	Myocardial Stress Perfusion MRI: Experience in Pediatric and Young-Adult Patients Following Arterial Switch Operation Utilizing Regadenoson. Pediatric Cardiology, 2018, 39, 1249-1257.	1.3	23
13	3D printing with MRI in pediatric applications. Journal of Magnetic Resonance Imaging, 2020, 51, 1641-1658.	3.4	23
14	Nitroxide Radicals@USâ€Tubes: New Spin Labels for Biomedical Applications. Advanced Functional Materials, 2012, 22, 3691-3698.	14.9	21
15	Tissue engineered vascular grafts transform into autologous neovessels capable of native function and growth. Communications Medicine, 2022, 2, .	4.2	18
16	Comparison of 2D BLADE Turbo Gradient- and Spin-Echo and 2D Spin-Echo Echo-Planar Diffusion-Weighted Brain MRI at 3 T: Preliminary Experience in Children. Academic Radiology, 2019, 26, 1597-1604.	2.5	15
17	Multi-phase 3D arterial spin labeling brain MRI in assessing cerebral blood perfusion and arterial transit times in children at 3T. Clinical Imaging, 2019, 53, 210-220.	1.5	15
18	Magnetic resonance elastography demonstrates elevated liver stiffness in cystic fibrosis patients. Journal of Cystic Fibrosis, 2018, 17, e54-e56.	0.7	10

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19	Nonalcoholic Fatty Liver Disease in Hispanic Youth With Dysglycemia: Risk for Subclinical Atherosclerosis?. Journal of the Endocrine Society, 2017, 1, 1029-1040.	0.2	9
20	Recent Advances in Pediatric Brain, Spine, and Neuromuscular Magnetic Resonance Imaging Techniques. Pediatric Neurology, 2019, 96, 7-23.	2.1	8
21	Comparison of two single-breath-held 3-D acquisitions with multi-breath-held 2-D cine steady-state free precession MRI acquisition in children with single ventricles. Pediatric Radiology, 2016, 46, 637-645.	2.0	7
22	Post-contrast T1-weighted spine 3T MRI in children using a golden-angle radial acquisition. Neuroradiology, 2019, 61, 341-349.	2.2	7
23	Magnetic Resonance Elastography of the Liver in Children and Adolescents: Assessment of Regional Variations in Stiffness. Academic Radiology, 2020, 27, e109-e115.	2.5	6
24	Validation of automated bone age analysis from hand radiographs in a North American pediatric population. Pediatric Radiology, 2022, , 1.	2.0	5
25	3D T1-weighted contrast-enhanced brain MRI in children using a fat-suppressed golden angle radial acquisition: an alternative to Cartesian inversion-recovery imaging. Clinical Imaging, 2019, 55, 112-118.	1.5	3
26	Immediate functional progression program in adolescent athletes with a spondylolysis. Physical Therapy in Sport, 2021, 52, 140-146.	1.9	2
27	Beyond the AJR â€œTrends in Use of Advanced Imaging in Pediatric Emergency Departments, 2009â€“2018â€• American Journal of Roentgenology, 2021, 216, 1437-1437.	2.2	0
28	Advanced imaging use and payment trends in a large pediatric accountable care organization. Pediatric Radiology, 2022, 52, 22-29.	2.0	0