Rajesh Krishnamurthy

List of Publications by Year
in descending order

66	1,778	279798	289244
papers	citations	23 h-index	40 g-index

68	68	68	2173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multimodality Imaging Guidelines for Patients with Repaired Tetralogy of Fallot: A Report from the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 111-141.	2.8	264
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	Magnetic resonance imaging evaluation of myocardial perfusion and viability in congenital and acquired pediatric heart disease. American Journal of Cardiology, 2004, 93, 657-661.	1.6	108
4	Imaging the Central Conducting Lymphatics: Initial Experience with Dynamic MR Lymphangiography. Radiology, 2015, 274, 871-878.	7.3	93
5	Outcomes of surgical intervention for anomalous aortic origin of a coronary artery: A large contemporary prospective cohort study. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 305-319.e4.	0.8	92
6	Anomalous Aortic Origin of a Coronary Artery: Toward a Standardized Approach. Seminars in Thoracic and Cardiovascular Surgery, 2014, 26, 110-122.	0.6	77
7	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
8	Reducing sedation for pediatric body MRI using accelerated and abbreviated imaging protocols. Pediatric Radiology, 2018, 48, 37-49.	2.0	64
9	Outcomes in Anomalous Aortic Origin of a Coronary Artery Following a Prospective Standardized Approach. Circulation: Cardiovascular Interventions, 2020, 13, e008445.	3.9	63
10	CT Angiography of Neonates and Infants: Comparison of Radiation Dose and Image Quality of Target Mode Prospectively ECG-Gated 320-MDCT and Ungated Helical 64-MDCT. American Journal of Roentgenology, 2015, 204, W184-W191.	2.2	46
11	CT for Assessment of Thrombosis and Pulmonary Embolism in Multiple Stages of Single-Ventricle Palliation: Challenges and Suggested Protocols. Radiographics, 2016, 36, 1273-1284.	3.3	45
12	Pediatric Hepatoblastoma, Hepatocellular Carcinoma, and Other Hepatic Neoplasms: Consensus Imaging Recommendations from American College of Radiology Pediatric Liver Reporting and Data System (LI-RADS) Working Group. Radiology, 2020, 296, 493-497.	7.3	42
13	Baseline Ultrasound and Clinical Correlates in Children with Cystic Fibrosis. Journal of Pediatrics, 2015, 167, 862-868.e2.	1.8	37
14	Dynamic contrast enhanced magnetic resonance lymphangiography: Categorization of imaging findings and correlation with patient management. European Journal of Radiology, 2018, 101, 129-135.	2.6	35
15	Comparison of Standardized Uptake Values in Normal Structures Between PET/CT and PET/MRI in a Tertiary Pediatric Hospital: A Prospective Study. American Journal of Roentgenology, 2015, 205, 1094-1101.	2.2	32
16	The role of MRI and CT in congenital heart disease. Pediatric Radiology, 2009, 39, 196-204.	2.0	30
17	Neonatal cardiac imaging. Pediatric Radiology, 2010, 40, 518-527.	2.0	28
18	Challenges and Priorities for Research. Circulation, 2014, 130, 1192-1203.	1.6	28

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19	4D Contrast-enhanced MR Angiography with the Keyhole Technique in Children: Technique and Clinical Applications. Radiographics, 2016, 36, 523-537.	3.3	27
20	Pediatric cardiac MRI: anatomy and function. Pediatric Radiology, 2008, 38, 192-199.	2.0	26
21	Anatomic types of anomalous aortic origin of a coronary artery: A pictorial summary. Congenital Heart Disease, 2017, 12, 603-606.	0.2	26
22	Decision analysis to define the optimal management of athletes with anomalous aortic origin of a coronary artery. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1366-1375.e7.	0.8	25
23	Endothelial Function in Youth: A Biomarker Modulated by Adiposity-Related Insulin Resistance. Journal of Pediatrics, 2016, 178, 171-177.	1.8	24
24	Association of Late Gadolinium Enhancement and Degree of Left Ventricular Hypertrophy Assessed on Cardiac Magnetic Resonance Imaging With Ventricular Tachycardia in Children With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2016, 117, 1342-1348.	1.6	24
25	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
26	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
27	3D printing with MRI in pediatric applications. Journal of Magnetic Resonance Imaging, 2020, 51, 1641-1658.	3.4	23
28	Pulmonary artery resuscitation for isolated ductal origin ofÂaÂpulmonary artery. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2235-2244.e1.	0.8	20
29	Accuracy of computed tomography angiography and structured reporting of high-risk morphology in anomalous aortic origin of coronary artery: comparison with surgery. Pediatric Radiology, 2021, 51, 1299-1310.	2.0	19
30	Tissue engineered vascular grafts transform into autologous neovessels capable of native function and growth. Communications Medicine, 2022, 2, .	4.2	18
31	Water-bath method for sonographic evaluation of superficial structures of the extremities in children. Pediatric Radiology, 2013, 43, 41-47.	2.0	17
32	ACR Appropriateness Criteria Â® Dyspneaâ€"Suspected Cardiac Origin. Journal of the American College of Radiology, 2017, 14, S127-S137.	1.8	13
33	ACR Appropriateness CriteriaÂ® Chest Pain-Possible Acute Coronary Syndrome. Journal of the American College of Radiology, 2020, 17, S55-S69.	1.8	13
34	Echocardiographic Parameters of Right Ventricular Diastolic Function in Repaired Tetralogy of Fallot Are Associated with Important Findings on Magnetic Resonance Imaging. Congenital Heart Disease, 2015, 10, E113-E122.	0.2	12
35	Relationship between heart rate and quiescent interval of the cardiac cycle in children using MRI. Pediatric Radiology, 2017, 47, 1588-1593.	2.0	12
36	A novel approach using volumetric dynamic airway computed tomography to determine positive end-expiratory pressure (PEEP) settings to maintain airway patency in ventilated infants with bronchopulmonary dysplasia. Pediatric Radiology, 2019, 49, 1276-1284.	2.0	12

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37	Pediatric Body MR Angiography. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 133-144.	1.1	11
38	Current Role of Fetal Magnetic Resonance Imaging in Body Anomalies. Seminars in Ultrasound, CT and MRI, 2015, 36, 310-323.	1.5	11
39	White Paper on P4 Concepts for Pediatric Imaging. Journal of the American College of Radiology, 2016, 13, 590-597.e2.	1.8	11
40	Flow Dynamics in Anomalous Aortic Origin of a Coronary Artery in Children: Importance of the Intramural Segment. Seminars in Thoracic and Cardiovascular Surgery, 2020, , .	0.6	11
41	Congenital Cardiovascular Malformations: Noninvasive Imaging by MRI in Neonates. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 813-822.	1.1	10
42	Sentinel Lymph Node Evaluation: What the Radiologist Needs to Know. Diagnostics, 2019, 9, 12.	2.6	10
43	Quality Initiative to Reduce Cardiac CT Angiography Radiation Exposure in Patients with Congenital Heart Disease. Pediatric Quality & Safety, 2019, 4, e168.	0.8	10
44	Current Role of Fetal Magnetic Resonance Imaging in Neurologic Anomalies. Seminars in Ultrasound, CT and MRI, 2015, 36, 298-309.	1.5	9
45	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
46	ACR Appropriateness CriteriaÂ® Chronic Chest Pain-Noncardiac Etiology Unlikely-Low to Intermediate Probability of Coronary Artery Disease. Journal of the American College of Radiology, 2018, 15, S283-S290.	1.8	9
47	ACR Appropriateness CriteriaÂ® Suspected New-Onset and Known Nonacute Heart Failure. Journal of the American College of Radiology, 2018, 15, S418-S431.	1.8	8
48	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
49	Qualitative FDG PET Image Assessment Using Automated Three-Segment MR Attenuation Correction Versus CT Attenuation Correction in a Tertiary Pediatric Hospital: A Prospective Study. American Journal of Roentgenology, 2015, 205, 652-658.	2.2	6
50	Pediatric Abdominal Magnetic Resonance Angiography. Seminars in Roentgenology, 2008, 43, 60-71.	0.6	5
51	Body MR angiography in children: how we do it. Pediatric Radiology, 2016, 46, 748-763.	2.0	5
52	Disparities in Radiation Burden from Trauma Evaluation at Pediatric Versus Nonpediatric Institutions. Journal of Surgical Research, 2018, 232, 475-483.	1.6	5
53	Comparison of computed tomography angiography versus cardiac catheterization for preoperative evaluation of major aortopulmonary collateral arteries in pulmonary atresia with ventricular septal defect. Annals of Pediatric Cardiology, 2020, 13, 117.	0.5	5
54	Validation of automated bone age analysis from hand radiographs in a North American pediatric population. Pediatric Radiology, 2022, , 1.	2.0	5

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55	Infundibular sparing versus transinfundibular approach to the repair of tetralogy of Fallot. Congenital Heart Disease, 2019, 14, 1149-1156.	0.2	3
56	Photoacoustic Imaging Addresses a Long-standing Challenge in Lymphedema. Radiology, 2020, 295, 475-477.	7.3	3
57	Assessment of transfer of morphological characteristics of Anomalous Aortic Origin of a Coronary Artery from imaging to patient specific 3D Printed models: A feasibility study. Computer Methods and Programs in Biomedicine, 2021, 201, 105947.	4.7	3
58	The subspecialty conundrum. Indian Journal of Radiology and Imaging, 2010, 20, 237-238.	0.8	2
59	Dynamic Volumetric Computed Tomography Angiography is an Effective Method to Evaluate Tracheomalacia in Children. Laryngoscope, 2022, , .	2.0	1
60	Value of emergent pediatric cardiac computed tomographic angiography service: initial experience at a large childrenâ€™s hospital. Pediatric Radiology, 2020, 50, 1095-1101.	2.0	0
61	Commentary: Computational Fluid Dynamics in Anomalous Coronaries: Moving From Anecdote-Based to Data-Based Clinical Decision-Making. Seminars in Thoracic and Cardiovascular Surgery, 2021, 33, 168-169.	0.6	0
62	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
63	Pediatric Emergency Imaging Studies in Academic Radiology Departments: A Nationwide Survey of Staffing Practices. Journal of the American College of Radiology, 2021, 18, 1351-1358.	1.8	0
64	Advanced imaging use and payment trends in a large pediatric accountable care organization. Pediatric Radiology, 2022, 52, 22-29.	2.0	0
65	Comparison Of Ultrasound Versus Magnetic Resonance Venography For Diagnosis Of Catheter-Related Thrombosis In Children: A Multicenter Multinational Study. Blood, 2013, 122, 2377-2377.	1.4	0
66	ACR Appropriateness CriteriaÂ® Dyspnea-Suspected Cardiac Origin (Ischemia Already Excluded): 2021 Update. Journal of the American College of Radiology, 2022, 19, S37-S52.	1.8	0