

Michael J Callahan

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,759
citations

186265

28
h-index

182427

51
g-index

82
all docs

82
docs citations

82
times ranked

2630
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Image Gently</i> Campaign: Working Together to Change Practice. American Journal of Roentgenology, 2008, 190, 273-274.	2.2	327
2	<i>Image Gently</i> : Ten Steps You Can Take to Optimize Image Quality and Lower CT Dose for Pediatric Patients. American Journal of Roentgenology, 2010, 194, 868-873.	2.2	245
3	The "Image Gently"™ campaign: increasing CT radiation dose awareness through a national education and awareness program. Pediatric Radiology, 2008, 38, 265-269.	2.0	227
4	Diagnostic Reference Ranges for Pediatric Abdominal CT. Radiology, 2013, 268, 208-218.	7.3	102
5	Diagnostic Imaging and Negative Appendectomy Rates in Children: Effects of Age and Gender. Pediatrics, 2012, 129, 877-884.	2.1	97
6	Disorders of the pediatric pancreas: imaging features. Pediatric Radiology, 2005, 35, 358-373.	2.0	94
7	CT of Appendicitis in Children. Radiology, 2002, 224, 325-332.	7.3	93
8	Ionizing radiation from computed tomography versus anesthesia for magnetic resonance imaging in infants and children: patient safety considerations. Pediatric Radiology, 2018, 48, 21-30.	2.0	80
9	Nonionic Iodinated Intravenous Contrast Material-related Reactions: Incidence in Large Urban Children's Hospital—Retrospective Analysis of Data in 12,494 Patients. Radiology, 2009, 250, 674-681.	7.3	74
10	Image GentlySM: A National Education and Communication Campaign in Radiology Using the Science of Social Marketing. Journal of the American College of Radiology, 2008, 5, 1200-1205.	1.8	73
11	Has Pediatric CT at Children's Hospitals Reached Its Peak?. American Journal of Roentgenology, 2010, 194, 1194-1196.	2.2	73
12	Advanced Radiologic Imaging for Pediatric Appendicitis, 2005-2009: Trends and Outcomes. Journal of Pediatrics, 2012, 160, 1034-1038.	1.8	72
13	Effect of Reduction in the Use of Computed Tomography on Clinical Outcomes of Appendicitis. JAMA Pediatrics, 2015, 169, 755.	6.2	67
14	Reliable estimation of incoherent motion parametric maps from diffusion-weighted MRI using fusion bootstrap moves. Medical Image Analysis, 2013, 17, 325-336.	11.6	62
15	CT dose reduction in practice. Pediatric Radiology, 2011, 41, 488-492.	2.0	59
16	Integration of Ultrasound Findings and a Clinical Score in the Diagnostic Evaluation of Pediatric Appendicitis. Journal of Pediatrics, 2015, 166, 1134-1139.	1.8	47
17	Pediatric Chest CT Diagnostic Reference Ranges: Development and Application. Radiology, 2017, 284, 219-227.	7.3	44
18	<i>In vivo</i> assessment of optimal <i>b₀</i> value range for perfusion-insensitive apparent diffusion coefficient imaging. Medical Physics, 2012, 39, 4832-4839.	3.0	42

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19	Use of White Blood Cell Count and Polymorphonuclear Leukocyte Differential to Improve the Predictive Value of Ultrasound for Suspected Appendicitis in Children. Journal of the American College of Surgeons, 2015, 220, 1010-1017.	0.5	41
20	Characterization of fast and slow diffusion from diffusion-weighted MRI of pediatric Crohn's disease. Journal of Magnetic Resonance Imaging, 2013, 37, 156-163.	3.4	40
21	Image Gently: Providing Practical Educational Tools and Advocacy to Accelerate Radiation Protection for Children Worldwide. Seminars in Ultrasound, CT and MRI, 2010, 31, 57-63.	1.5	38
22	Operational and Dosimetric Aspects of Pediatric PET/CT. Journal of Nuclear Medicine, 2017, 58, 1360-1366.	5.0	37
23	Ingestion of magnetic foreign bodies causing multiple bowel perforations. Pediatric Radiology, 2007, 37, 933-936.	2.0	35
24	Image Gently 5 Years Later: What Goals Remain to Be Accomplished in Radiation Protection for Children?. American Journal of Roentgenology, 2012, 199, 477-479.	2.2	34
25	Appendicitis in Young Children: Imaging Experience and Clinical Outcomes. American Journal of Roentgenology, 2006, 186, 1158-1164.	2.2	32
26	Clinical and Imaging Mimickers of Acute Appendicitis in the Pediatric Population. American Journal of Roentgenology, 2006, 186, 67-74.	2.2	32
27	Radiology Trainees'™ Comfort With Difficult Conversations and Attitudes About Error Disclosure: Effect of a Communication Skills Workshop. Journal of the American College of Radiology, 2014, 11, 781-787.	1.8	31
28	Pediatric CT Dose Reduction for Suspected Appendicitis: A Practice Quality Improvement Project Using Artificial Gaussian Noise—Part 2, Clinical Outcomes. American Journal of Roentgenology, 2015, 204, 636-644.	2.2	30
29	Imaging in Pediatric Blunt Abdominal Trauma. Seminars in Roentgenology, 2008, 43, 72-82.	0.6	28
30	The effective use of acai juice, blueberry juice and pineapple juice as negative contrast agents for magnetic resonance cholangiopancreatography in children. Pediatric Radiology, 2014, 44, 883-887.	2.0	26
31	The Drooping Lily Sign. Radiology, 2001, 219, 226-228.	7.3	25
32	CT for suspected appendicitis in children: an analysis of diagnostic errors. Pediatric Radiology, 2006, 36, 331-337.	2.0	25
33	Enthesitis as a component of dactylitis in psoriatic juvenile idiopathic arthritis: histology of an established clinical entity. Pediatric Rheumatology, 2015, 13, 7.	2.1	24
34	Practice Patterns for the Use of Iodinated IV Contrast Media for Pediatric CT Studies: A Survey of the Society for Pediatric Radiology. American Journal of Roentgenology, 2014, 202, 872-879.	2.2	23
35	Spatially constrained incoherent motion method improves diffusion-weighted MRI signal decay analysis in the liver and spleen. Medical Physics, 2015, 42, 1895-1903.	3.0	21
36	Motion-robust parameter estimation in abdominal diffusion-weighted MRI by simultaneous image registration and model estimation. Medical Image Analysis, 2017, 39, 124-132.	11.6	20

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37	Imaging in the diagnosis of pediatric urolithiasis. <i>Pediatric Radiology</i> , 2017, 47, 5-16.	2.0	20
38	Curved planar reformatting and convolutional neural network-based segmentation of the small bowel for visualization and quantitative assessment of pediatric Crohn's disease from MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1565-1576.	3.4	20
39	Ultrasound evaluation of superficial lumps and bumps of the extremities in children: a 5-year retrospective review. <i>Pediatric Radiology</i> , 2013, 43, 23-40.	2.0	19
40	Pediatric CT Dose Reduction for Suspected Appendicitis: A Practice Quality Improvement Project Using Artificial Gaussian Noise—Part 1, Computer Simulations. <i>American Journal of Roentgenology</i> , 2015, 204, W86-W94.	2.2	19
41	Spatially-constrained probability distribution model of incoherent motion (SPIM) for abdominal diffusion-weighted MRI. <i>Medical Image Analysis</i> , 2016, 32, 173-183.	11.6	17
42	How we read pediatric PET/CT: indications and strategies for image acquisition, interpretation and reporting. <i>Cancer Imaging</i> , 2017, 17, 28.	2.8	17
43	Congenital and Developmental Pancreatic Anomalies: Ultrasound, Computed Tomography, and Magnetic Resonance Imaging Features. <i>Seminars in Ultrasound, CT and MRI</i> , 2007, 28, 395-401.	1.5	15
44	Quality of pediatric abdominal CT scans performed at a dedicated children's hospital and its referring institutions: a multifactorial evaluation. <i>Pediatric Radiology</i> , 2017, 47, 391-397.	2.0	13
45	Musculoskeletal ultrasonography of the lower extremities in infants and children. <i>Pediatric Radiology</i> , 2013, 43, 8-22.	2.0	12
46	Practical administration of intravenous contrast media in children: screening, prophylaxis, administration and treatment of adverse reactions. <i>Pediatric Radiology</i> , 2019, 49, 433-447.	2.0	12
47	Improving Low-Dose Pediatric Abdominal CT by Using Convolutional Neural Networks. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e180087.	5.8	12
48	Stresses and anxieties in the time of the COVID-19 pandemic—what we can learn. <i>Pediatric Radiology</i> , 2020, 50, 1052-1054.	2.0	12
49	Air contrast enema reduction of single and recurrent ileocolic intussusceptions in children: patterns, management and outcomes. <i>Pediatric Radiology</i> , 2020, 50, 664-672.	2.0	12
50	Should I irradiate with computed tomography or sedate for magnetic resonance imaging?. <i>Pediatric Radiology</i> , 2022, 52, 340-344.	2.0	12
51	Selecting appropriate gastroenteric contrast media for diagnostic fluoroscopic imaging in infants and children: a practical approach. <i>Pediatric Radiology</i> , 2017, 47, 372-381.	2.0	11
52	Approaches to promotion and implementation of action on radiation protection for children. <i>Radiation Protection Dosimetry</i> , 2011, 147, 137-141.	0.8	10
53	The radiological home: Pediatric anesthesiologist's role in risk assessment for imaging procedures. <i>Paediatric Anaesthesia</i> , 2017, 27, 878-879.	1.1	10
54	Imaging findings of Hoffa's fat pad herniation. <i>Pediatric Radiology</i> , 2016, 46, 508-512.	2.0	8

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55	Reply to commentary â€œ CT radiation dose reduction: can we do harm by doing good?. Pediatric Radiology, 2012, 42, 399-401.	2.0	7
56	Free-breathing radial stack-of-stars three-dimensional Dixon gradient echo sequence in abdominal magnetic resonance imaging in sedated pediatric patients. Pediatric Radiology, 2021, 51, 1645-1653.	2.0	7
57	Acute pancreatitis in children: a review with clinical perspectives to enhance imaging interpretation. Pediatric Radiology, 2021, 51, 1970-1982.	2.0	7
58	Current State of Imaging of Pediatric Pancreatitis: <i>AJR</i> Expert Panel Narrative Review. American Journal of Roentgenology, 2021, 217, 265-277.	2.2	7
59	Practical use and pitfalls of hepatocyte-specific contrast agents (HSCAs) for pediatric hepatic and biliary magnetic resonance imaging. Abdominal Radiology, 2017, 42, 502-520.	2.1	6
60	The Use of Enteric Contrast Media for Diagnostic CT, MRI, and Ultrasound in Infants and Children: A Practical Approach. American Journal of Roentgenology, 2016, 206, 973-979.	2.2	5
61	Initial response of the European Society of Paediatric Radiology and Society for Pediatric Radiology to the Swedish Agency for Health Technology Assessment and Assessment of Social Servicesâ€™ document on the triad of shaken baby syndrome. Pediatric Radiology, 2017, 47, 369-371.	2.0	5
62	Intravenous gadolinium-based hepatocyte-specific contrast agents (HSCAs) for contrast-enhanced liver magnetic resonance imaging in pediatric patients: what the radiologist should know. Pediatric Radiology, 2019, 49, 1256-1268.	2.0	5
63	Leveraging the Combined Predictive Value of Ultrasound and Laboratory Data to Reduce Radiation Exposure and Resource Utilization in Children with Suspected Appendicitis. Journal of Surgical Research, 2021, 257, 529-536.	1.6	5
64	Assessing and conveying risks and benefits of imaging in neonates using ionizing radiation and sedation/anesthesia. Pediatric Radiology, 2022, 52, 616-621.	2.0	4
65	Pediatric radiologists and burnout: identifying stressors and moving forward. Pediatric Radiology, 2019, 49, 710-711.	2.0	3
66	The pediatric stomach â€œ masses and mass-like pathology. Pediatric Radiology, 2020, 50, 1180-1190.	2.0	3
67	Imaging features of pathologically proven pediatric splenic masses. Pediatric Radiology, 2020, 50, 1284-1292.	2.0	3
68	Triple gallbladder with heterotopic gastric mucosa: a case report. BMC Pediatrics, 2022, 22, 52.	1.7	3
69	Is Thyroid Monitoring Warranted in Infants and Young Children After Intravascular Administration of Iodine-Based Contrast Media?. American Journal of Roentgenology, 2023, 220, 144-145.	2.2	3
70	Pediatric Musculoskeletal Ultrasound. Ultrasound Clinics, 2013, 8, 459-475.	0.2	2
71	Wellness in pediatric radiology: lessons learned in a time of pandemic. Pediatric Radiology, 2020, 50, 898-899.	2.0	2
72	The pediatric stomach â€œ congenital abnormalities. Pediatric Radiology, 2021, 51, 2461-2469.	2.0	2

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73	The impact of social distancing during the COVID-19 pandemic on rates of pediatric idiopathic intussusception. <i>Pediatric Radiology</i> , 2022, 52, 453-459.	2.0	2
74	Radiographic assessment of traction-induced esophageal growth and traction-related complications of the Foker process for treatment of long-gap esophageal atresia. <i>Pediatric Radiology</i> , 2022, 52, 468-476.	2.0	2
75	Practical Approach to Imaging of the Pediatric Acute Abdomen. <i>Current Treatment Options in Pediatrics</i> , 2017, 3, 175-192.	0.6	1
76	Guidelines for expert testimony in pediatric radiology. <i>Pediatric Radiology</i> , 2021, 51, 1275-1280.	2.0	1
77	Diagnostic challenges with central venous catheter studies. <i>Pediatric Radiology</i> , 2022, 52, 1581-1591.	2.0	1
78	The Image Gently Campaign: Championing Radiation Protection for Children Through Awareness, Educational Resources and Advocacy. <i>Medical Radiology</i> , 2012, , 509-535.	0.1	0
79	Advances in the Decision to Image or Not to Image. <i>JAMA Oncology</i> , 2017, 3, 564.	7.1	0
80	Beyond the AJR: Enduring Gaps in Patient Understanding of Imaging-Associated Ionizing Radiation. <i>American Journal of Roentgenology</i> , 2022, , 1.	2.2	0