

Mahadevappa Mahesh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6878952/publications.pdf>

Version: 2024-02-01

98
papers

9,322
citations

172457

29
h-index

53230

85
g-index

101
all docs

101
docs citations

101
times ranked

9064
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking CT Radiation Doses Based on Clinical Indications: Is Subjective Image Quality Enough?. Radiology, 2022, 302, 390-391.	7.3	1
2	Temporal Trends and Interest in Coronary Artery Calcium Scoring Over Time: An Infodemiology Study. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2021, 5, 456-465.	2.4	0
3	Location and direction dependence in the 3D MTF for a high-resolution CT system. Medical Physics, 2021, 48, 2760-2771.	3.0	19
4	Theory, method, and test tools for determination of 3D MTF characteristics in cone-beam CT. Medical Physics, 2021, 48, 2772-2789.	3.0	2
5	Multisite multivendor validation of a quantitative MRI and CT compatible fat phantom. Medical Physics, 2021, 48, 4375-4386.	3.0	10
6	Ultra-High-Resolution Coronary CT Angiography for Assessment of Patients with Severe Coronary Artery Calcification: Initial Experience. Radiology: Cardiothoracic Imaging, 2021, 3, e210053.	2.5	31
7	Patient Communication for Medical Physicists. Journal of the American College of Radiology, 2021, 18, 1601-1604.	1.8	2
8	Editorial for the Mini-Focused Issue on Medical Physics 3.0. Journal of the American College of Radiology, 2021, 18, 1596-1597.	1.8	1
9	Breaking News: Using Facebook Live to Transmit Radiologic Information Quickly on a Global Scale. Journal of the American College of Radiology, 2020, 17, 899-902.	1.8	6
10	Ultraviolet germicidal irradiation of the inner bore of a CT gantry. Journal of Applied Clinical Medical Physics, 2020, 21, 325-328.	1.9	2
11	Patient Exposure from Radiologic and Nuclear Medicine Procedures in the United States: Procedure Volume and Effective Dose for the Period 2006-2016. Radiology, 2020, 295, 418-427.	7.3	150
12	Patient Radiation Exposure: Imaging During Radiation Oncology Procedures: Executive Summary of NCRP Report No. 184. Journal of the American College of Radiology, 2020, 17, 1176-1182.	1.8	7
13	Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators: A Report of the AAPM TG203. Medical Physics, 2019, 46, e757-e788.	3.0	77
14	Radiation Dose Reduction in Children With Hydrocephalus Using Ultrafast Brain MRI. Journal of the American College of Radiology, 2019, 16, 1173-1176.	1.8	1
15	Precision of 2 Low-dose Abdomen/Pelvis Cone Beam Computed Tomography Protocols for Alignment to Bone and Soft Tissue in Pediatric Patients Receiving Image Guided Radiation Therapy. Practical Radiation Oncology, 2019, 9, e307-e313.	2.1	5
16	Hybrid Model for the Medical Physics Imaging Residency Training. Journal of the American College of Radiology, 2019, 16, 762-763.	1.8	0
17	Digital breast tomosynthesis: Image acquisition principles and artifacts. Clinical Imaging, 2019, 55, 188-195.	1.5	21
18	Complex Nature of Radiation Risk in Medical Imaging. Journal of the American College of Radiology, 2018, 15, 694.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Personal Protective Equipment in Interventional Fluoroscopy: Distinguishing Evidence From Hype. Journal of the American College of Radiology, 2018, 15, 322-324.	1.8	4
20	New Conversion Factors for Estimating Effective Doses During Cardiac CT. JACC: Cardiovascular Imaging, 2018, 11, 75-77.	5.3	1
21	Image quality and dose for a multisource cone-beam CT extremity scanner. Medical Physics, 2018, 45, 144-155.	3.0	27
22	Essential Role of a Medical Physicist in the Radiology Department. Radiographics, 2018, 38, 1665-1671.	3.3	10
23	Role of Noise in Medical Imaging. Journal of the American College of Radiology, 2018, 15, 1309.	1.8	2
24	Retention Concerns About MR Studies Using Gadolinium-Based Contrast Agents. Journal of the American College of Radiology, 2018, 15, 934-936.	1.8	3
25	The Importance of Spatial Resolution to Medical Imaging. Journal of the American College of Radiology, 2018, 15, 1127.	1.8	0
26	Contrast Resolution Role in Medical Imaging. Journal of the American College of Radiology, 2018, 15, 1002-1003.	1.8	0
27	Virtual fluoroscopy for intraoperative C-arm positioning and radiation dose reduction. Journal of Medical Imaging, 2018, 5, 1.	1.5	14
28	Radiation Safety in Children With Congenital and Acquired Heart Disease. JACC: Cardiovascular Imaging, 2017, 10, 797-818.	5.3	78
29	Addressing Technetium-99m Shortage. Journal of the American College of Radiology, 2017, 14, 681-683.	1.8	12
30	Benchmarking Lumbar Puncture Fluoroscopy Time during Fellowship Training. American Journal of Neuroradiology, 2017, 38, 656-658.	2.4	8
31	Radiation Exposure and Patient Dose in Cardiology. Journal of the American College of Radiology, 2017, 14, 1581-1582.	1.8	3
32	Physician Leadership in Radiation Dose Optimization. Journal of the American College of Radiology, 2017, 14, 1256.	1.8	0
33	Feasibility of Dose-reduced Chest CT with Photon-counting Detectors: Initial Results in Humans. Radiology, 2017, 285, 980-989.	7.3	129
34	Balancing the Risks of Radiation and Anesthesia in Pediatric Patients. Journal of the American College of Radiology, 2017, 14, 1459-1461.	1.8	14
35	The MRI Helium Crisis: Past and Future. Journal of the American College of Radiology, 2016, 13, 1536-1537.	1.8	12
36	Radiation Changes in the 21st Century. Journal of the American College of Radiology, 2016, 13, 1404.	1.8	0

#	ARTICLE	IF	CITATIONS
37	Physicians's Perceptions of Radiation Dose Quantity Depend on the Language in Which It Is Expressed. Journal of the American College of Radiology, 2016, 13, 909-913.	1.8	0
38	CT Scans and Cancer Risks—A Practical Middle Path. Journal of the American College of Radiology, 2016, 13, 828-830.	1.8	6
39	A Call for the Structured Physicist Report. Journal of the American College of Radiology, 2016, 13, 307-309.	1.8	4
40	The utility of computed tomography in the management of fever and neutropenia in pediatric oncology. Pediatric Blood and Cancer, 2015, 62, 1761-1767.	1.5	4
41	Is CT Perfusion Ready for Liver Cancer Treatment Evaluation?. Journal of the American College of Radiology, 2015, 12, 111-113.	1.8	6
42	Practical techniques for reducing radiation exposure during cerebral angiography procedures. Journal of NeuroInterventional Surgery, 2015, 7, 141-145.	3.3	54
43	Update on radiation safety and dose reduction in pediatric neuroradiology. Pediatric Radiology, 2015, 45, 370-374.	2.0	9
44	Image Wisely and Choosing Wisely: Importance of Adult Body CT Protocol Design for Patient Safety, Exam Quality, and Diagnostic Efficacy. Journal of the American College of Radiology, 2015, 12, 1185-1190.	1.8	21
45	Last Series Hold: A Feature on Fluoroscopy Systems With the Potential to Reduce Patient and Operator Dose. Journal of the American College of Radiology, 2015, 12, 860-861.	1.8	3
46	Extensively drug-resistant tuberculosis in a young child after travel to India. Lancet Infectious Diseases, The, 2015, 15, 1485-1491.	9.1	36
47	How I Do It: Managing Radiation Dose in CT. Radiology, 2014, 273, 657-672.	7.3	157
48	Approaches to Enhancing Radiation Safety in Cardiovascular Imaging. Circulation, 2014, 130, 1730-1748.	1.6	101
49	Applications of Justification and Optimization in Medical Imaging. Journal of the American College of Radiology, 2014, 11, 36-44.	1.8	25
50	Radiation Dose Shift in Relative Proportion: The Case of Coronary Artery Calcium Studies. Journal of the American College of Radiology, 2014, 11, 634-635.	1.8	3
51	Applications of Justification and Optimization in Medical Imaging: Examples of Clinical Guidance for Computed Tomography Use in Emergency Medicine. Annals of Emergency Medicine, 2014, 63, 25-32.	0.6	21
52	Portable Wireless Digital Detectors: Advantages and Challenges. Journal of the American College of Radiology, 2014, 11, 212-214.	1.8	1
53	JACR Radiation Dose Optimization in CT: An Online Resource Center for Radiologists. Journal of the American College of Radiology, 2013, 10, 477.	1.8	1
54	NCRP 168: Its Significance to Fluoroscopically Guided Interventional Procedures. Journal of the American College of Radiology, 2013, 10, 551-552.	1.8	6

#	ARTICLE	IF	CITATIONS
55	CT Scan Parameters and Radiation Dose: Practical Advice for Radiologists. Journal of the American College of Radiology, 2013, 10, 840-846.	1.8	95
56	The Choosing Wisely Campaign and Its Potential Impact on Diagnostic Radiation Burden. Journal of the American College of Radiology, 2013, 10, 65-66.	1.8	15
57	Radiation. Journal of the American College of Radiology, 2013, 10, 557-558.	1.8	1
58	Challenges in Evaluating Flat-Panel Detector Fluoroscopy Systems. Journal of the American College of Radiology, 2013, 10, 223-224.	1.8	0
59	Dual-Energy CT: Is It Ready for Prime Time?. Journal of the American College of Radiology, 2013, 10, 383-385.	1.8	2
60	Analysis of limited-sequence head computed tomography for children with shunted hydrocephalus: potential to reduce diagnostic radiation exposure. Journal of Neurosurgery: Pediatrics, 2013, 12, 491-500.	1.3	28
61	Technical Factors for Consideration in Selecting a 4-D CT Simulator. Journal of the American College of Radiology, 2012, 9, 444-446.	1.8	1
62	CT Dose Reduction Strategy: To Modulate Dose or Not in Certain Patients?. Journal of the American College of Radiology, 2012, 9, 931-932.	1.8	5
63	State-of-the-art in CT hardware and scan modes for cardiovascular CT. Journal of Cardiovascular Computed Tomography, 2012, 6, 154-163.	1.3	62
64	CT Radiation Dose Reduction by Modifying Primary Factors. Journal of the American College of Radiology, 2011, 8, 369-372.	1.8	28
65	Automatic Exposure Control in CT: Applications and Limitations. Journal of the American College of Radiology, 2011, 8, 446-449.	1.8	32
66	Advances in CT technology and application to pediatric imaging. Pediatric Radiology, 2011, 41, 493-497.	2.0	38
67	Medical Radiation Exposure with Focus on CT. Reviews on Environmental Health, 2010, 25, 69-74.	2.4	9
68	Features to Consider When Selecting a New CT Scanner. Journal of the American College of Radiology, 2010, 7, 820-822.	1.8	1
69	Airport Full-Body Scanners. Journal of the American College of Radiology, 2010, 7, 379-381.	1.8	10
70	Physics Instruction for Radiology Residents in the Era of the New ABR Examination Process. Journal of the American College of Radiology, 2010, 7, 900-904.	1.8	9
71	Radiation Dose Associated With Common Computed Tomography Examinations and the Associated Lifetime Attributable Risk of Cancer. Archives of Internal Medicine, 2009, 169, 2078.	3.8	2,008
72	Radiologic and Nuclear Medicine Studies in the United States and Worldwide: Frequency, Radiation Dose, and Comparison with Other Radiation Sources—1950–2007. Radiology, 2009, 253, 520-531.	7.3	702

#	ARTICLE	IF	CITATIONS
73	Slice Wars vs Dose Wars in Multiple-Row Detector CT. Journal of the American College of Radiology, 2009, 6, 201-202.	1.8	13
74	Projected Cancer Risks From Computed Tomographic Scans Performed in the United States in 2007. Archives of Internal Medicine, 2009, 169, 2071.	3.8	1,615
75	NCRP Report Number 160: Its Significance to Medical Imaging. Journal of the American College of Radiology, 2009, 6, 890-892.	1.8	30
76	Multislice Scanners and Radiation Dose. Journal of the American College of Radiology, 2009, 6, 127-128.	1.8	4
77	Lowering radiation dose for integrated assessment of coronary morphology and physiology: First experience with step-and-shoot CT angiography in a rubidium 82 PET-CT protocol. Journal of Nuclear Cardiology, 2008, 15, 783-790.	2.1	35
78	Lowering radiation dose for integrated assessment of coronary morphology and physiology: First experience with step-and-shoot CT angiography in a rubidium 82 PET-CT protocol. Journal of Nuclear Cardiology, 2008, 15, 783-790.	2.1	2
79	Reflections on the Relationship Between the AAPM and the ACR. Journal of the American College of Radiology, 2008, 5, 1212-1213.	1.8	0
80	How to Prepare for the Joint Commission's Sentinel Event Policy Pertaining to Prolonged Fluoroscopy. Journal of the American College of Radiology, 2008, 5, 601-603.	1.8	3
81	Effective Doses in Radiology and Diagnostic Nuclear Medicine: A Catalog. Radiology, 2008, 248, 254-263.	7.3	1,696
82	MEDICAL RADIATION EXPOSURE IN THE U.S. IN 2006: PRELIMINARY RESULTS. Health Physics, 2008, 95, 502-507.	0.5	448
83	Physics of Cardiac Imaging with Multiple-Row Detector CT. Radiographics, 2007, 27, 1495-1509.	3.3	100
84	Technical Aspects of Respiration-Correlated 4-D CT for Radiation Therapy. Journal of the American College of Radiology, 2007, 4, 192-194.	1.8	1
85	Federal Regulations (Effective June 2006) Require Dose Monitors on All New Fluoroscopes: How Will This Help Clinicians Keep Track of Patient Dose?. Journal of the American College of Radiology, 2007, 4, 130-132.	1.8	6
86	Quality control for digital mammography in the ACRIN DMIST trial: Part I. Medical Physics, 2006, 33, 737.	3.0	66
87	Principios fásicos de las técnicas de imagen cardiovascular. , 2005, , 1-88.		0
88	AAPM/RSNA Physics Tutorial for Residents. Radiographics, 2004, 24, 1747-1760.	3.3	63
89	Radiation Exposure During Catheter Ablation of Atrial Fibrillation. Circulation, 2004, 110, 3003-3010.	1.6	208
90	Electron beam CT versus helical CT scans for assessing coronary calcification: current utility and future directions. American Heart Journal, 2003, 146, 969-977.	2.7	79

#	ARTICLE	IF	CITATIONS
91	Next-generation x-ray CT units will provide <500 msec images with 3D resolution comparable to today's projection radiography. Medical Physics, 2003, 30, 1543-1545.	3.0	1
92	The AAPM/RSNA Physics Tutorial for Residents. Radiographics, 2002, 22, 949-962.	3.3	151
93	Dose and Pitch Relationship for a Particular Multislice CT Scanner. American Journal of Roentgenology, 2001, 177, 1273-1275.	2.2	116
94	Fluoroscopy: Patient Radiation Exposure Issues. Radiographics, 2001, 21, 1033-1045.	3.3	334
95	Predictors of fluoroscopy time and estimated radiation exposure during radiofrequency catheter ablation procedures. American Journal of Cardiology, 1998, 82, 451-458.	1.6	123
96	Mathematical Techniques in Nuclear Medicine , edited by S. T. Chandler and W. H. Thomson. Medical Physics, 1997, 24, 1184-1185.	3.0	0
97	Acute Radiation Dermatitis Following Radiofrequency Catheter Ablation of Atrioventricular Nodal Reentrant Tachycardia. PACE - Pacing and Clinical Electrophysiology, 1997, 20, 1834-1839.	1.2	72
98	Nuclear Medicine Annual 1995 , edited by Leonard M. Freeman. Medical Physics, 1996, 23, 1469-1469.	3.0	0