

# Luciano M Prevedello

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

3,561  
citations

172457

29  
h-index

138484

58  
g-index

69  
all docs

69  
docs citations

69  
times ranked

4395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recurrent CT, Cumulative Radiation Exposure, and Associated Radiation-induced Cancer Risks from CT of Adults. <i>Radiology</i> , 2009, 251, 175-184.	7.3	833
2	The RSNA Pediatric Bone Age Machine Learning Challenge. <i>Radiology</i> , 2019, 290, 498-503.	7.3	277
3	Implementing Machine Learning in Radiology Practice and Research. <i>American Journal of Roentgenology</i> , 2017, 208, 754-760.	2.2	241
4	Effect of Computerized Clinical Decision Support on the Use and Yield of CT Pulmonary Angiography in the Emergency Department. <i>Radiology</i> , 2012, 262, 468-474.	7.3	220
5	Automated Critical Test Findings Identification and Online Notification System Using Artificial Intelligence in Imaging. <i>Radiology</i> , 2017, 285, 923-931.	7.3	187
6	Machine Learning in Radiology: Applications Beyond Image Interpretation. <i>Journal of the American College of Radiology</i> , 2018, 15, 350-359.	1.8	174
7	Augmenting the National Institutes of Health Chest Radiograph Dataset with Expert Annotations of Possible Pneumonia. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e180041.	5.8	141
8	Construction of a Machine Learning Dataset through Collaboration: The RSNA 2019 Brain CT Hemorrhage Challenge. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190211.	5.8	94
9	Challenges Related to Artificial Intelligence Research in Medical Imaging and the Importance of Image Analysis Competitions. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e180031.	5.8	88
10	Factors Associated With Radiologists' Adherence to Fleischner Society Guidelines for Management of Pulmonary Nodules. <i>Journal of the American College of Radiology</i> , 2012, 9, 468-473.	1.8	82
11	Focal Cystic Pancreatic Lesions: Assessing Variation in Radiologists'™ Management Recommendations. <i>Radiology</i> , 2011, 259, 136-141.	7.3	79
12	Four-Year Impact of an Alert Notification System on Closed-Loop Communication of Critical Test Results. <i>American Journal of Roentgenology</i> , 2014, 203, 933-938.	2.2	56
13	Impact of a 4-year Quality Improvement Initiative to Improve Communication of Critical Imaging Test Results. <i>Radiology</i> , 2011, 259, 802-807.	7.3	54
14	Variation in Use of Head Computed Tomography by Emergency Physicians. <i>American Journal of Medicine</i> , 2012, 125, 356-364.	1.5	54
15	Automated Brain Metastases Detection Framework for T1-Weighted Contrast-Enhanced 3D MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2883-2893.	6.3	51
16	Does Clinical Decision Support Reduce Unwarranted Variation in Yield of CT Pulmonary Angiogram?. <i>American Journal of Medicine</i> , 2013, 126, 975-981.	1.5	48
17	Automated Critical Test Result Notification System: Architecture, Design, and Assessment of Provider Satisfaction. <i>American Journal of Roentgenology</i> , 2014, 203, W491-W496.	2.2	46
18	The RSNA Pulmonary Embolism CT Dataset. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200254.	5.8	44

#	ARTICLE	IF	CITATIONS
19	Integrating AI into radiology workflow: levels of research, production, and feedback maturity. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	1.5	39
20	Exposing Exposure: Automated Anatomy-specific CT Radiation Exposure Extraction for Quality Assurance and Radiation Monitoring. <i>Radiology</i> , 2012, 264, 397-405.	7.3	37
21	MR Elastography-derived Stiffness: A Biomarker for Intervertebral Disc Degeneration. <i>Radiology</i> , 2017, 285, 167-175.	7.3	36
22	Automated coronary artery atherosclerosis detection and weakly supervised localization on coronary CT angiography with a deep 3-dimensional convolutional neural network. <i>Computerized Medical Imaging and Graphics</i> , 2020, 83, 101721.	5.8	36
23	CT and PET/CT Findings of T-Cell Lymphoma. <i>American Journal of Roentgenology</i> , 2009, 193, 349-358.	2.2	35
24	Business Intelligence Tools for Radiology: Creating a Prototype Model Using Open-Source Tools. <i>Journal of Digital Imaging</i> , 2010, 23, 133-141.	2.9	35
25	Training Strategies for Radiology Deep Learning Models in Data-limited Scenarios. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210014.	5.8	35
26	Augmenting the Impact of Technology Adoption With Financial Incentive to Improve Radiology Report Signature Times. <i>Journal of the American College of Radiology</i> , 2010, 7, 198-204.	1.8	34
27	Variation in Head Computed Tomography Use for Emergency Department Trauma Patients and Physician Risk Tolerance. <i>Archives of Internal Medicine</i> , 2012, 172, 660.	3.8	33
28	Information from Searching Content with an Ontology-Utilizing Toolkit (iSCOUT). <i>Journal of Digital Imaging</i> , 2012, 25, 512-519.	2.9	33
29	Repeat Abdominal Imaging Examinations in a Tertiary Care Hospital. <i>American Journal of Medicine</i> , 2012, 125, 155-161.	1.5	30
30	Impact of a Real-Time Computerized Duplicate Alert System on the Utilization of Computed Tomography. <i>JAMA Internal Medicine</i> , 2013, 173, 1024.	5.1	27
31	Nationwide Trends in Use of Catheter-Directed Therapy for Treatment of Pulmonary Embolism in Medicare Beneficiaries from 2004 to 2016. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 801-806.	0.5	26
32	Imaging Presentation of Venous Thrombosis in Patients With Cancer. <i>American Journal of Roentgenology</i> , 2010, 194, 1099-1108.	2.2	25
33	Radiology Reporting: A Closed-Loop Cycle from Order Entry to Results Communication. <i>Journal of the American College of Radiology</i> , 2014, 11, 1226-1237.	1.8	21
34	Implementation of Speech Recognition in a Community-based Radiology Practice: Effect on Report Turnaround Times. <i>Journal of the American College of Radiology</i> , 2014, 11, 402-406.	1.8	21
35	CT for thoracic and lumbar spine fractures: Can CT findings accurately predict posterior ligament complex injury?. <i>European Spine Journal</i> , 2018, 27, 3007-3015.	2.2	19
36	A User Interface for Optimizing Radiologist Engagement in Image Data Curation for Artificial Intelligence. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e180095.	5.8	19

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37	The potential impact of artificial intelligence in radiology. <i>Radiologia Brasileira</i> , 2017, 50, V-VI.	0.7	19
38	Newly Diagnosed Sellar Tumors in Patients with Cancer: A Diagnostic Challenge and Management Dilemma. <i>World Neurosurgery</i> , 2017, 106, 254-265.	1.3	18
39	Performance of a Deep Neural Network Algorithm Based on a Small Medical Image Dataset: Incremental Impact of 3D-to-2D Reformation Combined with Novel Data Augmentation, Photometric Conversion, or Transfer Learning. <i>Journal of Digital Imaging</i> , 2020, 33, 431-438.	2.9	16
40	Dual-Energy CT-Derived Iodine Content and Spectral Attenuation Analysis of Metastatic versus Nonmetastatic Lymph Nodes in Squamous Cell Carcinoma of the Oropharynx. <i>Tomography</i> , 2018, 4, 66-71.	1.8	15
41	Large-Scale Automated Assessment of Radiologist Adherence to the Physician Quality Reporting System for Stroke. <i>Journal of the American College of Radiology</i> , 2012, 9, 414-420.	1.8	14
42	Optic Canal Decompression: Comparison of 2 Surgical Techniques. <i>World Neurosurgery</i> , 2017, 104, 745-751.	1.3	14
43	Are quantitative features of lung nodules reproducible at different CT acquisition and reconstruction parameters?. <i>PLoS ONE</i> , 2020, 15, e0240184.	2.5	14
44	IT Tools Will Be Critical in Helping Reduce Radiation Exposure From Medical Imaging. <i>Journal of the American College of Radiology</i> , 2009, 6, 125-126.	1.8	11
45	Fostering a Healthy AI Ecosystem for Radiology: Conclusions of the 2018 RSNA Summit on AI in Radiology. <i>Radiology: Artificial Intelligence</i> , 2019, 1, 190021.	5.8	11
46	Constrained generative adversarial network ensembles for sharable synthetic medical images. <i>Journal of Medical Imaging</i> , 2021, 8, 024004.	1.5	11
47	Radiology and Enterprise Medical Imaging Extensions (REMIX). <i>Journal of Digital Imaging</i> , 2018, 31, 91-106.	2.9	10
48	Approach Selection and Surgical Planning in Posterior Cranial Fossa Meningiomas: How I Do It. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2019, 80, 380-391.	0.8	10
49	Management of large intraventricular meningiomas with minimally invasive port technique: a three-case series. <i>Neurosurgical Review</i> , 2021, 44, 2369-2377.	2.4	9
50	Predicting rate of cognitive decline at baseline using a deep neural network with multidata analysis. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	1.5	9
51	Improving Function in Cavernous Sinus Meningiomas: A Modern Treatment Algorithm. <i>Frontiers in Neurology</i> , 2020, 11, 652.	2.4	8
52	Business Intelligence Tools and Performance Improvement in Your Practice. <i>Journal of the American College of Radiology</i> , 2008, 5, 1210-1211.	1.8	6
53	Influence of Posterior Fossa Volume on Clinical Outcomes After Vestibular Schwannoma Resection. <i>Otology and Neurotology</i> , 2016, 37, 1155-1161.	1.3	6
54	Using Transfer Learning and Class Activation Maps Supporting Detection and Localization of Femoral Fractures on Anteroposterior Radiographs. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
55	Natural Language Processing of Radiology Text Reports: Interactive Text Classification. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210035.	5.8	6
56	Integration of the Medical Imaging Resource Center into a Teaching Hospital Network to Allow Single Sign-on Access. <i>Radiographics</i> , 2009, 29, 973-979.	3.3	5
57	Artificial Intelligence to Assist in Exclusion of Coronary Atherosclerosis During CCTA Evaluation of Chest Pain in the Emergency Department: Preparing an Application for Real-world Use. <i>Journal of Digital Imaging</i> , 2021, 34, 554-571.	2.9	5
58	Using Informatics-Enabled Quality Improvement Techniques to Meet Health Record Documentation Requirements in Radiology Reports. <i>Academic Radiology</i> , 2013, 20, 1032-1036.	2.5	4
59	Advances in Computed Tomography Evaluation of Skull Base Diseases. <i>International Archives of Otorhinolaryngology</i> , 2014, 18, S123-S126.	0.8	4
60	Concomitant epidural and subdural spinal abscess: a case report. <i>Spine Journal</i> , 2016, 16, e275-e282.	1.3	4
61	CT restaging of testicular germ cell tumors: The incidence of isolated pelvic metastases. <i>European Journal of Radiology</i> , 2016, 85, 1439-1444.	2.6	4
62	Augmented networks for faster brain metastases detection in T1-weighted contrast-enhanced 3D MRI. <i>Computerized Medical Imaging and Graphics</i> , 2022, 98, 102059.	5.8	4
63	Mortality Prediction Analysis among COVID-19 Inpatients Using Clinical Variables and Deep Learning Chest Radiography Imaging Features. <i>Tomography</i> , 2022, 8, 1791-1803.	1.8	4
64	IT Tools Can Help "Harvest" Clinical Case Material From Your PACS. <i>Journal of the American College of Radiology</i> , 2012, 9, 543-544.	1.8	2
65	Streamlining Communications and Enabling Point-of-care Education in Radiology Through a Mobile Application Solution. <i>Current Problems in Diagnostic Radiology</i> , 2020, 49, 150-153.	1.4	1
66	Neck CT imaging and correlation with thyroid cancer incidence across age, gender and race. <i>Clinical Endocrinology</i> , 2021, 94, 872-879.	2.4	1
67	Can Health IT Tools Enable Improved Documentation of Quality, Safety Measures, and Regulatory Requirements in Radiology Reports? Part 2. <i>Journal of the American College of Radiology</i> , 2013, 10, 635-636.	1.8	0
68	The Reply. <i>American Journal of Medicine</i> , 2014, 127, e23.	1.5	0
69	Endoscopic Endonasal Skull Base Surgery using Indocyanine Green and Relationship to Preoperative Radiological Imaging. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, .	0.8	0