

# Eliot L Siegel

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

1,383  
citations

331670

21  
h-index

377865

34  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization of terminology in dermoscopy/dermatoscopy: Results of the third consensus conference of the International Society of Dermoscopy. <i>Journal of the American Academy of Dermatology</i> , 2016, 74, 1093-1106.	1.2	207
2	Implementing Virtual and Augmented Reality Tools for Radiology Education and Training, Communication, and Clinical Care. <i>Radiology</i> , 2019, 291, 570-580.	7.3	129
3	Reinventing Radiology: Big Data and the Future of Medical Imaging. <i>Journal of Thoracic Imaging</i> , 2018, 33, 4-16.	1.5	63
4	Image Exchange: IHE and the Evolution of Image Sharing. <i>Radiographics</i> , 2008, 28, 1817-1833.	3.3	59
5	Medical Student Perspectives on the Impact of Artificial Intelligence on the Practice of Medicine. <i>Current Problems in Diagnostic Radiology</i> , 2021, 50, 614-619.	1.4	56
6	Will machine learning end the viability of radiology as a thriving medical specialty?. <i>British Journal of Radiology</i> , 2019, 92, 20180416.	2.2	55
7	Deep Learning and Medical Image Analysis for COVID-19 Diagnosis and Prediction. <i>Annual Review of Biomedical Engineering</i> , 2022, 24, 179-201.	12.3	50
8	Position paper on COVID-19 imaging and AI: From the clinical needs and technological challenges to initial AI solutions at the lab and national level towards a new era for AI in healthcare. <i>Medical Image Analysis</i> , 2020, 66, 101800.	11.6	44
9	A Brief History of AI: How to Prevent Another Winter (A Critical Review). <i>PET Clinics</i> , 2021, 16, 449-469.	3.0	40
10	Machine Meets Biology: a Primer on Artificial Intelligence in Cardiology and Cardiac Imaging. <i>Current Cardiology Reports</i> , 2018, 20, 139.	2.9	37
11	Filmless radiology at the Baltimore VA Medical Center: a 9 year retrospective. <i>Computerized Medical Imaging and Graphics</i> , 2003, 27, 101-109.	5.8	34
12	CT Prediction Model for Major Arterial Injury after Blunt Pelvic Ring Disruption. <i>Radiology</i> , 2018, 287, 1061-1069.	7.3	34
13	Impact of filmless imaging on the frequency of clinician review of radiology images. <i>Journal of Digital Imaging</i> , 1998, 11, 149-150.	2.9	33
14	Digital Mammography Image Quality: Image Display. <i>Journal of the American College of Radiology</i> , 2006, 3, 615-627.	1.8	32
15	School of Blockâ€“Review of Blockchain for the Radiologists. <i>Academic Radiology</i> , 2020, 27, 47-57.	2.5	31
16	Quantified ultrasound elastography in the assessment of cutaneous carcinoma. <i>British Journal of Radiology</i> , 2015, 88, 20150344.	2.2	29
17	Electronic teaching files: Seven-year experience using a commercial picture archiving and communication system. <i>Journal of Digital Imaging</i> , 2001, 14, 125-127.	2.9	27
18	Medical Image Resource Center 2002: An Update on the RSNA's Medical Image Resource Center. <i>Journal of Digital Imaging</i> , 2002, 15, 2-4.	2.9	26

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19	Use of Radiology Procedure Codes in Health Care: The Need for Standardization and Structure. <i>Radiographics</i> , 2017, 37, 1099-1110.	3.3	26
20	A Multiscale Deep Learning Method for Quantitative Visualization of Traumatic Hemoperitoneum at CT: Assessment of Feasibility and Comparison with Subjective Categorical Estimation. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190220.	5.8	25
21	Evaluation of Low-Contrast Detectability of Iterative Reconstruction across Multiple Institutions, CT Scanner Manufacturers, and Radiation Exposure Levels. <i>Radiology</i> , 2015, 277, 124-133.	7.3	24
22	Patient-directed Internet-based Medical Image Exchange. <i>Academic Radiology</i> , 2016, 23, 237-244.	2.5	23
23	Computerized follow-up of discrepancies in image interpretation between emergency and radiology departments. <i>Journal of Digital Imaging</i> , 1998, 11, 18-20.	2.9	21
24	Integrating AI Algorithms into the Clinical Workflow. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210013.	5.8	20
25	Ten filmless years and ten lessons: A 10th-anniversary retrospective from the Baltimore VA Medical Center. <i>Journal of the American College of Radiology</i> , 2004, 1, 824-833.	1.8	18
26	What Can We Learn from the RSNA Pediatric Bone Age Machine Learning Challenge?. <i>Radiology</i> , 2019, 290, 504-505.	7.3	18
27	The Radiological Society of North America's medical image resource center: An update. <i>Journal of Digital Imaging</i> , 2001, 14, 77-79.	2.9	17
28	RSNA Diagnosis Live: A Novel Web-based Audience Response Tool to Promote Evidence-based Learning. <i>Radiographics</i> , 2017, 37, 1111-1118.	3.3	16
29	Economic and clinical impact of filmless operation in a multifacility environment. <i>Journal of Digital Imaging</i> , 1998, 11, 42-47.	2.9	14
30	Legal Ramifications of Computer-Aided Detection in Mammography. <i>Journal of the American College of Radiology</i> , 2015, 12, 572-574.	1.8	14
31	Artificial Intelligence in Medical Imaging and its Impact on the Rare Disease Community: Threats, Challenges and Opportunities. <i>PET Clinics</i> , 2022, 17, 13-29.	3.0	13
32	Demographic Reporting in Publicly Available Chest Radiograph Data Sets: Opportunities for Mitigating Sex and Racial Disparities in Deep Learning Models. <i>Journal of the American College of Radiology</i> , 2022, 19, 192-200.	1.8	13
33	Recommendations for image prefetch or film digitization strategy based on an analysis of an historic radiology image database. <i>Journal of Digital Imaging</i> , 1998, 11, 94-99.	2.9	12
34	Frequency and impact of high-resolution monitor failure in a filmless imaging department. <i>Journal of Digital Imaging</i> , 2000, 13, 114-118.	2.9	11
35	Variation of monitor luminance on radiologist productivity in the interpretation of skeletal radiographs using a picture archiving and communication system. <i>Journal of Digital Imaging</i> , 1997, 10, 176-176.	2.9	10
36	Patient Perceptions of Participating in the RSNA Image Share Project: a Preliminary Study. <i>Journal of Digital Imaging</i> , 2016, 29, 189-194.	2.9	9

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37	Radiologist Digital Workspace Use and Preference: a Survey-Based Study. Journal of Digital Imaging, 2017, 30, 687-694.	2.9	8
38	Challenges associated with the incorporation of digital radiography into a picture archival and communication system. Journal of Digital Imaging, 1999, 12, 6-8.	2.9	7
39	Relations of blood pressure and head injury to regional cerebral blood flow. Journal of the Neurological Sciences, 2016, 365, 9-14.	0.6	7
40	Artificial Intelligence and Positron Emission Tomography Imaging Workflow. PET Clinics, 2022, 17, 31-39.	3.0	7
41	Future Directions in Artificial Intelligence. Radiologic Clinics of North America, 2021, 59, 1085-1095.	1.8	6
42	Comparison of three display methods for evaluating CT angiography data for the vascular assessment of renal donors. Journal of Digital Imaging, 1998, 11, 145-148.	2.9	5
43	Storing Medical Images in the Digital Age: The Need for Universal and Technologically Appropriate Guidelines. Journal of the American College of Radiology, 2017, 14, 752-754.	1.8	5
44	PET and AI Trajectories Finally Coming into Alignment. PET Clinics, 2021, 16, xv-xvi.	3.0	5
45	Who Owns the Image? Archiving and Retention Issues in the Digital Age. Journal of the American College of Radiology, 2014, 11, 384-386.	1.8	4
46	Nodule Detection with Eye Movements. Journal of Behavioral Decision Making, 2016, 29, 254-270.	1.7	4
47	Effect of screen monitor number on radiologist productivity in the interpretation of portable chest radiographs using a picture archiving and communication system. Journal of Digital Imaging, 1997, 10, 175-175.	2.9	3
48	Noncompete Clauses: A Contract Provision That Has Exhausted Its Usefulness?. Journal of the American College of Radiology, 2014, 11, 145-152.	1.8	3
49	A Graph-Based Method for Analyzing Electronic Medical Records. , 2015, , .		3
50	Computer-Aided Reporting of Chest Radiographs: Efficient and Effective Screening in the Value-Based Imaging Era. Journal of Digital Imaging, 2017, 30, 589-594.	2.9	3
51	Liver herniation through an occult diaphragmatic injury presenting as a solitary pulmonary nodule: Value of helical computed tomography and magnetic resonance imaging. Emergency Radiology, 1996, 3, 205-208.	1.8	2
52	Experience with comparative picture archiving and communication system baseline data collection at four Veterans Affairs Medical Centers: Methodology, lessons learned, and suggestions for improvement. Journal of Digital Imaging, 1997, 10, 161-164.	2.9	2
53	Patient Engagement: The Experience of the RSNA Image Share Patient Help Desk. Journal of the American College of Radiology, 2015, 12, 1289-1292.	1.8	2
54	Visualization of Pain Severity Events in Clinical Records Using Semantic Structures. , 2016, , .		2

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55	Interpreting Radiographs with Concurrently Obtained Patient Photographs. Radiographics, 2019, 39, 1356-1367.	3.3	2
56	Identification from MRI with Face-Recognition Software. New England Journal of Medicine, 2020, 382, 489-490.	27.0	2
57	Advancing Research on Medical Image Perception by Strengthening Multidisciplinary Collaboration. JNCI Cancer Spectrum, 2022, 6, .	2.9	2
58	Recommendations for image prefetch or film digitization strategy based on an analysis of an historic radiology image database. Journal of Digital Imaging, 1998, 11, 130-130.	2.9	1
59	Focused Decision Support: a Data Mining Tool to Query the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial Dataset and Guide Screening Management for the Individual Patient. Journal of Digital Imaging, 2016, 29, 160-164.	2.9	1
60	Oliver Cromwell's Fatal Ague. American Journal of the Medical Sciences, 2017, 353, 398-401.	1.1	1
61	IDIOMS. Digital Government Research and Practice (DGOV), 2021, 2, 1-5.	1.7	1
62	Taming the Complexity: Using Artificial Intelligence in a Cross-Disciplinary Innovative Platform to Redefine Molecular Imaging and Radiopharmaceutical Therapy. PET Clinics, 2022, 17, xvii-xix.	3.0	1
63	Imaging Informatics: Waking Up to 50 Years of Progress. , 0, , 27-30.		1
64	Primum non nocere: A call for a re-evaluation of radiation doses used in CT. , 0, , 6-8.		1
65	Artificial intelligence and diagnostic radiology: Not quite ready to welcome our computer overlords. , 0, , 8-9.		1
66	Strategies for the promotion of Computer Applications in Radiology in healthcare delivery. Journal of Digital Imaging, 1998, 11, 142-144.	2.9	0
67	Authors' Reply. Journal of the American College of Radiology, 2015, 12, 1135-1136.	1.8	0
68	Making AI Even Smarter Using Ensembles: A Challenge to Future Challenges and Implications for Clinical Care. Radiology: Artificial Intelligence, 2019, 1, e190187.	5.8	0
69	GUEST EDITORIAL Pay for performance. , 0, , 6-8.		0