

# Charles E Kahn Jr

## List of Publications by Year in descending order

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Version: 2024-02-01

134  
papers

3,944  
citations

159585

30  
h-index

138484

58  
g-index

136  
all docs

136  
docs citations

136  
times ranked

4183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorâ€™s Recognition Awards. <i>Radiology: Artificial Intelligence</i> , 2022, 4, .	5.8	1
2	2021 Manuscript Reviewers: A Note of Thanks. <i>Radiology: Artificial Intelligence</i> , 2022, 4, .	5.8	0
3	Applications of natural language processing in radiology: A systematic review. <i>International Journal of Medical Informatics</i> , 2022, 163, 104779.	3.3	10
4	The <i>Radiology: Artificial Intelligence</i> Trainee Editorial Board: Initial Experience and Future Directions. <i>Academic Radiology</i> , 2022, 29, 1899-1902.	2.5	3
5	2020 Manuscript Reviewers: A Note of Thanks. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210017.	5.8	0
6	Lessons From the Free-Text Epidemic: Opportunities to Optimize Deployment of Imaging Clinical Decision Support. <i>Journal of the American College of Radiology</i> , 2021, 18, 467-474.	1.8	6
7	To buy or not to buyâ€™ evaluating commercial AI solutions in radiology (the ECLAIR guidelines). <i>European Radiology</i> , 2021, 31, 3786-3796.	4.5	92
8	Patient Understanding of Abnormal Imaging Findings Under Pennsylvania Act 112: A Call to Revise Mandated Notification Message Language. <i>Journal of the American College of Radiology</i> , 2021, 18, 951-961.	1.8	6
9	Why Is the Electronic Health Record So Challenging for Research and Clinical Care?. <i>Methods of Information in Medicine</i> , 2021, 60, 032-048.	1.2	13
10	Editorâ€™s Recognition Awards. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210019.	5.8	0
11	A quality assessment tool for artificial intelligence-centered diagnostic test accuracy studies: QUADAS-AI. <i>Nature Medicine</i> , 2021, 27, 1663-1665.	30.7	76
12	RSNA-MICCAI Panel Discussion: 2. Leveraging the Full Potential of AIâ€™ Radiologists and Data Scientists Working Together. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210248.	5.8	1
13	Biomedical Ontologies to Guide AI Development in Radiology. <i>Journal of Digital Imaging</i> , 2021, 34, 1331-1341.	2.9	5
14	Ensuring Patient Follow-up of Significant Abnormalities Under Pennsylvania Act 112. <i>Journal of the American College of Radiology</i> , 2020, 17, 268-271.	1.8	8
15	Automating Import and Reconciliation of Outside Examinations Submitted to an Academic Radiology Department. <i>Journal of Digital Imaging</i> , 2020, 33, 355-360.	2.9	2
16	Evaluation of Automated Public De-Identification Tools on a Corpus of Radiology Reports. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190137.	5.8	9
17	How Might AI and Chest Imaging Help Unravel COVID-19â€™s Mysteries?. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e200053.	5.8	47
18	Improving Triage of After-Hours Radiology Examinations Through Worklist Unification. <i>Journal of the American College of Radiology</i> , 2020, 17, 970-975.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Checklist for Artificial Intelligence in Medical Imaging (CLAIM): A Guide for Authors and Reviewers. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e200029.	5.8	541
20	2018â€“2019 Manuscript Reviewers: A Note of Thanks. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e204001.	5.8	0
21	Bending the Artificial Intelligence Curve for Radiology: Informatics Tools From ACR and RSNA. <i>Journal of the American College of Radiology</i> , 2019, 16, 1464-1470.	1.8	23
22	We All Need a Little Magic. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e194002.	5.8	3
23	Integrating ontologies of human diseases, phenotypes, and radiological diagnosis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019, 26, 149-154.	4.4	7
24	Artificial Intelligence, Real Radiology. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e184001.	5.8	15
25	Readability of radiology reports: implications for patient-centered care. <i>Clinical Imaging</i> , 2019, 54, 116-120.	1.5	33
26	Integrating an Ontology of Radiology Differential Diagnosis with ICD-10-CM, RadLex, and SNOMED CT. <i>Journal of Digital Imaging</i> , 2019, 32, 206-210.	2.9	13
27	Integrating Wikipedia Articles and Images into an Information Resource for Radiology Patients. <i>Journal of Digital Imaging</i> , 2019, 32, 349-353.	2.9	3
28	Evaluating Completeness of a Radiology Glossary Using Iterative Refinement. <i>Journal of Digital Imaging</i> , 2019, 32, 417-419.	2.9	1
29	Design and implementation of outpatient-based rapid MRI protocols to rule out metastatic spinal cord compression and brain metastases.. <i>Journal of Clinical Oncology</i> , 2019, 37, e18307-e18307.	1.6	0
30	Data Science: Big Data, Machine Learning, and Artificial Intelligence. <i>Journal of the American College of Radiology</i> , 2018, 15, 497-498.	1.8	40
31	Coverage and Readability of Information Resources to Help Patients Understand Radiology Reports. <i>Journal of the American College of Radiology</i> , 2018, 15, 1681-1686.	1.8	18
32	Sensor, Signal, and Imaging Informatics in 2017. <i>Yearbook of Medical Informatics</i> , 2018, 27, 110-113.	1.0	4
33	DICOMwebâ„ƒ: Background and Application of the Web Standard for Medical Imaging. <i>Journal of Digital Imaging</i> , 2018, 31, 321-326.	2.9	29
34	Enabling the Next-Generation Radiology Report: Description of Two New System Standards. <i>Radiographics</i> , 2017, 37, 2106-2112.	3.3	11
35	Sensor, Signal, and Imaging Informatics. <i>Yearbook of Medical Informatics</i> , 2017, 26, 120-124.	1.0	0
36	Patients' Use and Evaluation of an Online System to Annotate Radiology Reports with Lay Language Definitions. <i>Academic Radiology</i> , 2017, 24, 1169-1174.	2.5	37

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37	Common Data Elements in Radiology. Radiology, 2017, 283, 837-844.	7.3	74
38	From Images to Actions: Opportunities for Artificial Intelligence in Radiology. Radiology, 2017, 285, 719-720.	7.3	70
39	Abstract 3575: Frequency of imaging findings suspicious for and suggestive of cancer between three different hospitals within a single health system. , 2017, , .		0
40	An Ontology-Based Approach to Estimate the Frequency of Rare Diseases in Narrative-Text Radiology Reports. Studies in Health Technology and Informatics, 2017, 245, 896-900.	0.3	3
41	Imaging Informatics: 25 Years of Progress. Yearbook of Medical Informatics, 2016, 25, S23-S31.	1.0	10
42	PORTER: a Prototype System for Patient-Oriented Radiology Reporting. Journal of Digital Imaging, 2016, 29, 450-454.	2.9	54
43	Transitive closure of subsumption and causal relations in a large ontology of radiological diagnosis. Journal of Biomedical Informatics, 2016, 61, 27-33.	4.3	8
44	How users search and what they search for in the medical domain. Information Retrieval, 2016, 19, 189-224.	2.0	34
45	Integrating ontologies of rare diseases and radiological diagnosis. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1164-1168.	4.4	8
46	Structured reporting: a fusion reactor hungry for fuel. Insights Into Imaging, 2015, 6, 129-132.	3.4	48
47	Comparing image search behaviour in the ARRS GoldMiner search engine and a clinical PACS/RIS. Journal of Biomedical Informatics, 2015, 56, 57-64.	4.3	7
48	Conversion of Radiology Reporting Templates to the MRRT Standard. Journal of Digital Imaging, 2015, 28, 528-536.	2.9	21
49	Analyzing Medical Image Search Behavior: Semantics and Prediction of Query Results. Journal of Digital Imaging, 2015, 28, 537-546.	2.9	2
50	Code Abdomen: An Assessment Coding Scheme for Abdominal Imaging Findings Possibly Representing Cancer. Journal of the American College of Radiology, 2015, 12, 947-950.	1.8	22
51	Biomedical imaging ontologies: A survey and proposal for future work. Journal of Pathology Informatics, 2015, 6, 37.	1.7	24
52	Incorporating intelligence into structured radiology reports. , 2014, , .		4
53	Reporting Initiative of the Radiological Society of North America: Progress and New Directions. Radiology, 2014, 273, 642-645.	7.3	80
54	Authorsâ€™ Reply. Journal of the American College of Radiology, 2014, 11, 925-926.	1.8	1

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55	Annotation of Figures from the Biomedical Imaging Literature. <i>Academic Radiology</i> , 2014, 21, 384-392.	2.5	10
56	Actionable Findings and the Role of IT Support: Report of the ACR Actionable Reporting Work Group. <i>Journal of the American College of Radiology</i> , 2014, 11, 552-558.	1.8	80
57	Informatics in Radiology: Radiology Gamuts Ontology: Differential Diagnosis for the Semantic Web. <i>Radiographics</i> , 2014, 34, 254-264.	3.3	24
58	Ontology-based diagnostic decision support in radiology. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 78-82.	0.3	3
59	Content Analysis of Reporting Templates and Free-Text Radiology Reports. <i>Journal of Digital Imaging</i> , 2013, 26, 843-849.	2.9	28
60	From Guidelines to Practice: How Reporting Templates Promote the Use of Radiology Practice Guidelines. <i>Journal of the American College of Radiology</i> , 2013, 10, 268-273.	1.8	75
61	Application of standardized biomedical terminologies in radiology reporting templates. <i>Information Services and Use</i> , 2013, 33, 309-323.	0.2	3
62	An Open-Standards Grammar for Outline-Style Radiology Report Templates. <i>Journal of Digital Imaging</i> , 2012, 25, 359-364.	2.9	10
63	Integration of Imaging Signs into RadLex. <i>Journal of Digital Imaging</i> , 2012, 25, 50-55.	2.9	19
64	Accurate Determination of Imaging Modality using an Ensemble of Text- and Image-Based Classifiers. <i>Journal of Digital Imaging</i> , 2012, 25, 37-42.	2.9	5
65	Analysis of RadLex Coverage and Term Co-occurrence in Radiology Reporting Templates. <i>Journal of Digital Imaging</i> , 2012, 25, 56-62.	2.9	34
66	Log analysis to understand medical professionals' image searching behaviour. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 1020-4.	0.3	3
67	Ontology-Assisted Analysis of Web Queries to Determine the Knowledge Radiologists Seek. <i>Journal of Digital Imaging</i> , 2011, 24, 160-164.	2.9	19
68	Informatics in Radiology: Envisioning the Future of E-Learning in Radiology: An Introduction to SCORM. <i>Radiographics</i> , 2011, 31, 1173-1179.	3.3	15
69	Informatics in Radiology: An Information Model of the DICOM Standard. <i>Radiographics</i> , 2011, 31, 295-304.	3.3	25
70	Breast cancer risk estimation with artificial neural networks revisited. <i>Cancer</i> , 2010, 116, 3310-3321.	4.1	103
71	Comparison of Logistic Regression and Artificial Neural Network Models in Breast Cancer Risk Estimation. <i>Radiographics</i> , 2010, 30, 13-22.	3.3	136
72	Building a corpus and developing a question classifier to support messaging-based question answering. , 2010, , .		2

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73	Evidence-Based Radiology: A Primer in Reading Scientific Articles. American Journal of Roentgenology, 2010, 195, W1-W4.	2.2	15
74	Overview of the CLEF 2009 Medical Image Retrieval Track. Lecture Notes in Computer Science, 2010, , 72-84.	1.3	65
75	A Logistic Regression Model Based on the National Mammography Database Format to Aid Breast Cancer Diagnosis. American Journal of Roentgenology, 2009, 192, 1117-1127.	2.2	74
76	Multilingual Retrieval of Radiology Images. Radiographics, 2009, 29, 23-29.	3.3	4
77	Probabilistic Computer Model Developed from Clinical Data in National Mammography Database Format to Classify Mammographic Findings. Radiology, 2009, 251, 663-672.	7.3	82
78	ACCF/ACR/AHA/ASE/ASNC/HRS/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR 2008 Health Policy Statement on Structured Reporting in Cardiovascular Imaging. Circulation, 2009, 119, 187-200.	1.6	22
79	Toward Best Practices in Radiology Reporting. Radiology, 2009, 252, 852-856.	7.3	186
80	ACCF/ACR/AHA/ASE/ASNC/HRS/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR 2008 Health Policy Statement on Structured Reporting in Cardiovascular Imaging. Journal of the American College of Cardiology, 2009, 53, 76-90.	2.8	90
81	Automated Semantic Indexing of Figure Captions to Improve Radiology Image Retrieval. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 380-386.	4.4	26
82	Reviewing Images From Portable Media: An Ongoing Challenge. Journal of the American College of Radiology, 2009, 6, 61-64.	1.8	5
83	Comparing the quality of accessing medical literature using content-based visual and textual information retrieval. Proceedings of SPIE, 2009, , .	0.8	6
84	Overview of the ImageCLEFmed 2008 Medical Image Retrieval Task. Lecture Notes in Computer Science, 2009, , 512-522.	1.3	36
85	Effective Metadata Discovery for Dynamic Filtering of Queries to a Radiology Image Search Engine. Journal of Digital Imaging, 2008, 21, 269-273.	2.9	5
86	Dynamic "Online" Images: Context-Sensitive Retrieval and Integration of Images into Web Documents. Journal of Digital Imaging, 2008, 21, 274-279.	2.9	3
87	A multilingual image search engine. AMIA ... Annual Symposium proceedings, 2008, , 995.	0.2	0
88	GoldMiner: A Radiology Image Search Engine. American Journal of Roentgenology, 2007, 188, 1475-1478.	2.2	78
89	The Editorship of the <i>AJR</i>. American Journal of Roentgenology, 2007, 189, 266-266.	2.2	1
90	DICOM and Radiology: Past, Present, and Future. Journal of the American College of Radiology, 2007, 4, 652-657.	1.8	61

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91	A Presentation System for Just-in-time Learning in Radiology. Journal of Digital Imaging, 2007, 20, 6-16.	2.9	12
92	Building Virtual Communities of Practice. Journal of the American College of Radiology, 2006, 3, 716-720.	1.8	22
93	Radiologists' Preferences for Just-in-Time Learning. Journal of Digital Imaging, 2006, 19, 202-206.	2.9	28
94	An Ontology for PACS Integration. Journal of Digital Imaging, 2006, 19, 316-327.	2.9	24
95	P2F-9 A Novel Model for Contrast Enhanced Ultrasound Video and Its Applications. , 2006, , .		1
96	A digital library of radiology images. AMIA ... Annual Symposium proceedings, 2006, , 972.	0.2	0
97	Collaborative Filtering to Improve Navigation of Large Radiology Knowledge Resources. Journal of Digital Imaging, 2005, 18, 131-137.	2.9	4
98	Improving outcomes in radiology. Academic Radiology, 2005, 12, 409-414.	2.5	11
99	Architecture for integration of probabilistic knowledge with digital image libraries. International Congress Series, 2001, 1230, 379-383.	0.2	0
100	A Bayesian network for diagnosis of primary bone tumors. Journal of Digital Imaging, 2001, 14, 56-57.	2.9	34
101	Design and implementation of an Internet-based health information resource. Computer Methods and Programs in Biomedicine, 2000, 63, 85-97.	4.7	11
102	Potential Use of Extensible Markup Language for Radiology Reporting: A Tutorial. Radiographics, 2000, 20, 287-293.	3.3	9
103	Promoting the Online Use of Radiology Appropriateness Criteria. Radiographics, 1999, 19, 1673-1681.	3.3	20
104	Standard Generalized Markup Language for self-defining structured reports. International Journal of Medical Informatics, 1999, 53, 203-211.	3.3	14
105	Applicability of American College of Radiology appropriateness criteria in a general internal medicine clinic.. American Journal of Roentgenology, 1999, 173, 9-11.	2.2	19
106	An Internet-based ontology editor for medical appropriateness criteria. Computer Methods and Programs in Biomedicine, 1998, 56, 31-36.	4.7	8
107	Superior temporal gyrus and the course of early schizophrenia: Progressive, static, or reversible?. Journal of Psychiatric Research, 1998, 32, 161-167.	3.1	186
108	A multipurpose model of radiology appropriateness criteria. Academic Radiology, 1998, 5, 188-197.	2.5	5

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109	Appropriateness of imaging procedure requests: do radiologists agree?. American Journal of Roentgenology, 1997, 169, 11-14.	2.2	16
110	BANTER: a Bayesian network tutoring shell. Artificial Intelligence in Medicine, 1997, 10, 177-200.	6.5	22
111	Construction of a Bayesian network for mammographic diagnosis of breast cancer. Computers in Biology and Medicine, 1997, 27, 19-29.	7.0	141
112	Positive predictive value of clinical suspicion for abdominal aortic aneurysm. Journal of General Internal Medicine, 1996, 11, 756-758.	2.6	6
113	Decision-theoretic Refinement Planning in Medical Decision Making. Medical Decision Making, 1996, 16, 315-325.	2.4	11
114	Structured entry of radiology reports using World Wide Web technology.. Radiographics, 1996, 16, 683-691.	3.3	30
115	Management of Suspected Lower-Extremity Deep Venous Thrombosis. Archives of Internal Medicine, 1995, 155, 426.	3.8	3
116	CHORUS: a computer-based radiology handbook for international collaboration via the World Wide Web.. Radiographics, 1995, 15, 963-970.	3.3	24
117	Artificial intelligence in radiology: decision support systems.. Radiographics, 1994, 14, 849-861.	3.3	77
118	A Bayesian network model for radiological diagnosis and procedure selection: Work-up of suspected gallbladder disease. Medical Physics, 1994, 21, 1185-1192.	3.0	25
119	Case-Based Reasoning and Imaging Procedure Selection. Investigative Radiology, 1994, 29, 643-647.	6.2	22
120	Magnetization transfer imaging of the abdomen at 0.1 T: Detection of hepatic neoplasms. Magnetic Resonance Imaging, 1993, 11, 67-71.	1.8	18
121	Graphical knowledge presentation in a MUMPS-based decision-support system. Computer Methods and Programs in Biomedicine, 1993, 40, 159-166.	4.7	4
122	Automatic segmentation of liver structure in CT images. Medical Physics, 1993, 20, 71-78.	3.0	125
123	Computer-Aided Detection of Diffuse Liver Disease in Ultrasound Images. Investigative Radiology, 1992, 27, 71-77.	6.2	18
124	Magnetization transfer contrast imaging of the human leg at 0.1 T: A preliminary study. Magnetic Resonance Imaging, 1992, 10, 361-364.	1.8	11
125	Vena Tech Vena Cava Filter: Experience and Early Follow-up. Journal of Vascular and Interventional Radiology, 1991, 2, 435-440.	0.5	40
126	&lt;title&gt;Visualization of liver in 3-D&lt;/title&gt;. Proceedings of SPIE, 1991, 1444, 75.	0.8	2



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127	A radiology hypertext system for education and clinical decision making. Journal of Digital Imaging, 1991, 4, 207-212.	2.9	9
128	Family structure: a general program for displaying complex pedigree data. Computer Methods and Programs in Biomedicine, 1990, 33, 9-11.	4.7	1
129	Automated entry of radiology requisition information with artificial-intelligence techniques. American Journal of Roentgenology, 1989, 153, 1085-1088.	2.2	11
130	Technical note: Brachial plexopathy as a complication of intraarterial cisplatin chemotherapy. CardioVascular and Interventional Radiology, 1989, 12, 47-49.	2.0	14
131	Efficient storage and analysis of immunogenetic phenotypes: the phenotype-element technique. Computer Methods and Programs in Biomedicine, 1988, 27, 199-203.	4.7	0
132	Phoenix. Investigative Radiology, 1987, 22, 978-980.	6.2	12
133	A New Algorithm for Clustering Lymphocyte Typing Sera. Tissue Antigens, 1980, 15, 447-454.	1.0	12
134	Ensemble Approaches to Recognize Protected Health Information in Radiology Reports. Journal of Digital Imaging, 0, , .	2.9	0