

# Savvas Nicolaou

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117  
papers

1,686  
citations

23  
h-index

36  
g-index

128  
ext. papers

2,339  
ext. citations

4  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
117	Emergency Radiology: Evolution, Current Status, and Future Directions.. <i>Canadian Association of Radiologists Journal</i> , <b>2022</b> , 8465371221088924	3.9	
116	Radiological Society of North America (RSNA) Expert Consensus Statement Related to Chest CT Findings in COVID-19 Versus CO-RADS: Comparison of Reporting System Performance Among Chest Radiologists and End-User Preference. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 806-813	3.9	7
115	Lower Urinary Tract Injuries: A Guide for the Emergency Radiologist. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 557-563	3.9	
114	Impact of 24/7/365 Attending Radiologist Coverage on the Turnaround Time of Trauma-Related Imaging Studies Being Finalized Within 48 Hours in an Emergency Radiology Department, Offering a Perspective from a Tertiary Care Hospital. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 862-870	3.9	
113	Canadian and American Emergency Radiology Fellowship Websites: An Evaluation of Content. <i>Current Problems in Diagnostic Radiology</i> , <b>2021</b> , 50, 576-579	1.6	2
112	Evaluation of Radiology Reports by the Emergency Department Clinical Providers: A Message to Radiologists [Formula: see text]. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 533-540	3.9	5
111	Impact of 24/7/365 Attending Radiologist Coverage on the Turnaround Time in an Emergency and Trauma Radiology Department. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 548-556	3.9	2
110	Evaluating Radiology Result Communication in the Emergency Department. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 846-853	3.9	
109	Cardiac CT angiography after percutaneous left atrial appendage closure: early versus delayed scanning after contrast administration. <i>Diagnostic and Interventional Radiology</i> , <b>2021</b> , 27, 703-709	3.2	0
108	Preventing and Mitigating Radiology System Failures: A Guide to Disaster Planning. <i>Radiographics</i> , <b>2021</b> , 41, 2111-2126	5.4	0
107	An Evaluation of the Content of Canadian and American Nuclear Medicine Fellowship Websites. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 392-397	3.9	6
106	The Effectiveness of Image Augmentation in Deep Learning Networks for Detecting COVID-19: A Geometric Transformation Perspective. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 629134	4.9	11
105	The Impact of Implementing 24/7 Cardiac CTA Interpretation in the Emergency Department on Patient Care: Retrospective Analysis of a Single-Center Experience. <i>American Journal of Roentgenology</i> , <b>2021</b> , 217, 76-82	5.4	0
104	Machine learning automatically detects COVID-19 using chest CTs in a large multicenter cohort. <i>European Radiology</i> , <b>2021</b> , 31, 8775-8785	8	2
103	Urate Crystals; Beyond Joints. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 649505	4.9	4
102	Emergent Comprehensive Imaging of the Major Trauma Patient: A New Paradigm for Improved Clinical Decision-Making. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 293-310	3.9	3
101	Exploring the Role of Artificial Intelligence in an Emergency and Trauma Radiology Department. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 167-174	3.9	8

100	Virtual monochromatic reconstructions of dual energy CT in abdominal trauma: optimization of energy level improves pancreas laceration conspicuity and diagnostic confidence. <i>Emergency Radiology</i> , <b>2021</b> , 28, 1-7	3	4
99	RSNA Expert Consensus Statement on Reporting Chest CT Findings Related to COVID-19: Interobserver Agreement Between Chest Radiologists. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 72, 159-166	3.9	20
98	Spectral Computed Tomography: Fundamental Principles and Recent Developments. <i>Korean Journal of Radiology</i> , <b>2021</b> , 22, 86-96	6.9	5
97	Clinical Applications of Dual-Energy CT. <i>Korean Journal of Radiology</i> , <b>2021</b> , 22, 970-982	6.9	2
96	Impact of 24/7 Onsite Emergency Radiology Staff Coverage on Emergency Department Workflow. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 8465371211023861	3.9	
95	The Effect of Mask Wearing on the Accuracy of Radiology Reports in an Academic Hospital Setting. <i>Canadian Association of Radiologists Journal</i> , <b>2021</b> , 8465371211024394	3.9	
94	CT in Differentiating Complicated From Uncomplicated Appendicitis: Role of Dual-Energy CT. <i>American Journal of Roentgenology</i> , <b>2020</b> , 214, W80	5.4	1
93	Emergency Radiology During the COVID-19 Pandemic: The Canadian Association of Radiologists Recommendations for Practice. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 425-430	3.9	7
92	An Update in Imaging of Blunt Vascular Neck Injury. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 281-292	3.9	4
91	Postmortem CT in Trauma: An Overview. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 403-414	3.9	6
90	Unravelling the Mysteries of Traumatic Diaphragmatic Injury: An Up-to-Date Review. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 313-321	3.9	5
89	Dual-Energy CT: A Paradigm Shift in Acute Traumatic Abdomen. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 371-387	3.9	5
88	Emergency Imaging in Pregnancy and Lactation [Formula: see text]. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 396-402	3.9	11
87	The Role of Emergency Radiology in COVID-19: From Preparedness to Diagnosis [Formula: see text]. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 293-300	3.9	17
86	Changes in Approach to Solid Organ Injury: What the Radiologist Needs to Know. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 352-361	3.9	4
85	Unravelling the mysteries of gout by multimodality imaging. <i>Seminars in Arthritis and Rheumatism</i> , <b>2020</b> , 50, S17-S23	5.3	5
84	State of the Art Imaging Review of Blunt and Penetrating Cardiac Trauma. <i>Canadian Association of Radiologists Journal</i> , <b>2020</b> , 71, 301-312	3.9	2
83	The abdominal seatbelt sign. <i>Abdominal Radiology</i> , <b>2020</b> , 45, 2934-2936	3	

82	Acquisition time, radiation dose, subjective and objective image quality of dual-source CT scanners in acute pulmonary embolism: a comparative study. <i>European Radiology</i> , <b>2020</b> , 30, 2712-2721	8	2
81	Trends in Gender and Racial Profiles of US Academic Radiology Faculty. <i>Journal of the American College of Radiology</i> , <b>2020</b> , 17, 1337-1343	3.5	22
80	Gender Disparity Among Leaders of Canadian Academic Radiology Departments. <i>American Journal of Roentgenology</i> , <b>2020</b> , 214, 3-9	5.4	19
79	Role of Dual-Energy CT in Emergency Neuroradiology. <i>Radiographics</i> , <b>2020</b> , 40, 303	5.4	
78	Exploratory data analysis for pre and post 24/7/365 attending radiologist coverage support in an emergency department: fundamentals of data science. <i>Emergency Radiology</i> , <b>2020</b> , 27, 233-251	3	0
77	Gender Differences Among Academic Pediatric Radiology Faculty in the United States and Canada. <i>Academic Radiology</i> , <b>2020</b> , 27, 575-581	4.3	14
76	Impact of Dual-Energy CT in the Emergency Department: Increased Radiologist Confidence, Reduced Need for Follow-Up Imaging, and Projected Cost Benefit. <i>American Journal of Roentgenology</i> , <b>2020</b> , 215, 1528-1538	5.4	5
75	The Performance of Deep Neural Networks in Differentiating Chest X-Rays of COVID-19 Patients From Other Bacterial and Viral Pneumonias. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 550	4.9	13
74	Automated Quantification of CT Patterns Associated with COVID-19 from Chest CT. <i>Radiology: Artificial Intelligence</i> , <b>2020</b> , 2, e200048	8.7	56
73	An Evaluation of the Content of Canadian Radiology Fellowship Websites. <i>Current Problems in Diagnostic Radiology</i> , <b>2020</b> , 49, 243-247	1.6	4
72	Radiologic evidence of symmetric and polyarticular monosodium urate crystal deposition in gout - A cluster pattern analysis of dual-energy CT. <i>Seminars in Arthritis and Rheumatism</i> , <b>2020</b> , 50, 54-58	5.3	3
71	Interventional radiology and COVID-19: evidence-based measures to limit transmission. <i>Diagnostic and Interventional Radiology</i> , <b>2020</b> , 26, 236-240	3.2	34
70	Invited Commentary on "Traumatic Brain Injury: Imaging Patterns and Complications". <i>Radiographics</i> , <b>2019</b> , 39, 1595-1597	5.4	
69	CCTA in patients with positive troponin and low clinical suspicion for ACS: a useful diagnostic option to exclude obstructive CAD. <i>Emergency Radiology</i> , <b>2019</b> , 26, 269-275	3	2
68	Artificial Intelligence, Radiology, and the Way Forward. <i>Canadian Association of Radiologists Journal</i> , <b>2019</b> , 70, 10-12	3.9	13
67	Gender Differences in Leadership Positions Among Academic Nuclear Medicine Specialists in Canada and the United States. <i>American Journal of Roentgenology</i> , <b>2019</b> , 212, 146-150	5.4	26
66	Not the Time for Complacency. <i>Academic Radiology</i> , <b>2019</b> , 26, e76	4.3	
65	Concurrent validity of provisional remission criteria for gout: a dual-energy CT study. <i>Arthritis Research and Therapy</i> , <b>2019</b> , 21, 150	5.7	7

64	Influence of Academic Productivity on Gender Disparity in Academic Interventional Radiology. <i>American Journal of Roentgenology</i> , <b>2019</b> , 1-7	5.4	13
63	Novel Geographic Thematic Study of the Largest Radiology Societies Globally: How Is Gender Structure Biased Within Editorial Boards?. <i>American Journal of Roentgenology</i> , <b>2019</b> , 213, 2-7	5.4	22
62	Imaging of Cardiac Trauma. <i>Radiologic Clinics of North America</i> , <b>2019</b> , 57, 795-808	2.3	5
61	Virtual monoenergetic reconstruction of contrast-enhanced CT scans of the abdomen and pelvis at 40keV improves the detection of peritoneal metastatic deposits. <i>Abdominal Radiology</i> , <b>2019</b> , 44, 422-428	3.8	13
60	Comparison of image noise and image quality between full-dose abdominal computed tomography scans reconstructed with weighted filtered back projection and half-dose scans reconstructed with improved sinogram-affirmed iterative reconstruction (SAFIRE*). <i>Abdominal Radiology</i> , <b>2019</b> , 44, 355-361	3	3
59	Developing the Evidence Base for M-Learning in Undergraduate Radiology Education: Identifying Learner Preferences for Mobile Apps. <i>Canadian Association of Radiologists Journal</i> , <b>2019</b> , 70, 320-326	3.9	5
58	Integrated virtual and cadaveric dissection laboratories enhance first year medical students anatomy experience: a pilot study. <i>BMC Medical Education</i> , <b>2019</b> , 19, 366	3.3	28
57	Students Preferred Pedagogical Approaches to Peer-to-Peer Teaching with Virtual Dissection. <i>FASEB Journal</i> , <b>2019</b> , 33, 605.7	0.9	
56	Learner Satisfaction with Peer-to-Peer Teaching in Virtual Dissection Laboratories. <i>FASEB Journal</i> , <b>2019</b> , 33, 605.5	0.9	
55	The Challenge With Clinical Radiology Electives: Student and Faculty Perspectives Identify Areas for Improvement. <i>Canadian Association of Radiologists Journal</i> , <b>2019</b> , 70, 337-343	3.9	4
54	Dual-Source Computed Tomography of the Chest in Blunt Thoracic Trauma: Reduced Aortic Motion Using a Novel Temporal Resolution Optimization Method. <i>Journal of Thoracic Imaging</i> , <b>2019</b> , 34, 387-392	5.6	2
53	Evaluation of the proximal coronary arteries in suspected pulmonary embolism: diagnostic images in 51% of patients using non-gated, dual-source CT pulmonary angiography. <i>Emergency Radiology</i> , <b>2019</b> , 26, 189-194	3	0
52	Influence of Artificial Intelligence on Canadian Medical Students Preference for Radiology Specialty: A National Survey Study. <i>Academic Radiology</i> , <b>2019</b> , 26, 566-577	4.3	71
51	Dual-Energy CT in Evaluation of the Acute Abdomen. <i>Radiographics</i> , <b>2019</b> , 39, 264-286	5.4	33
50	Neuroimaging in Psychiatric Disorders: A Bibliometric Analysis of the 100 Most Highly Cited Articles. <i>Journal of Neuroimaging</i> , <b>2019</b> , 29, 14-33	2.8	21
49	Gender disparity in academic emergency radiology. <i>Emergency Radiology</i> , <b>2019</b> , 26, 21-28	3	27
48	Quadriceps Weakness and Risk of Knee Cartilage Loss Seen on Magnetic Resonance Imaging in a Population-based Cohort with Knee Pain. <i>Journal of Rheumatology</i> , <b>2019</b> , 46, 198-203	4.1	10
47	Clinical Utility of Dual-Energy CT Analysis of Bone Marrow Edema in Acute Wrist Fractures. <i>American Journal of Roentgenology</i> , <b>2018</b> , 210, 842-847	5.4	28

46	Is there a superior simulator for human anatomy education? How virtual dissection can overcome the anatomic and pedagogic limitations of cadaveric dissection. <i>Medical Teacher</i> , <b>2018</b> , 40, 752-753	3	14
45	The Top 100 Most-Cited Articles in Stroke Imaging: A Bibliometric Analysis. <i>Current Problems in Diagnostic Radiology</i> , <b>2018</b> , 47, 161-167	1.6	8
44	Epiploic appendagitis: 7-year experience and relationship with visceral obesity. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 1552-1557	3	17
43	Delayed manifestations of abdominal trauma: follow-up abdominopelvic CT in posttraumatic patients. <i>Abdominal Radiology</i> , <b>2018</b> , 43, 1642-1655	3	5
42	Gender Differences in the Publication Rate Among Breast Imaging Radiologists in the United States and Canada. <i>American Journal of Roentgenology</i> , <b>2018</b> , 210, 2-7	5.4	39
41	Advanced Musculoskeletal Applications of Dual-Energy Computed Tomography. <i>Radiologic Clinics of North America</i> , <b>2018</b> , 56, 587-600	2.3	17
40	Practical Applications of Dual-Energy Computed Tomography in the Acute Abdomen. <i>Radiologic Clinics of North America</i> , <b>2018</b> , 56, 549-563	2.3	6
39	Dual-Energy CT Iodine Mapping and 40-keV Monoenergetic Applications in the Diagnosis of Acute Bowel Ischemia. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 564-570	5.4	37
38	MRI of intracranial intraventricular lesions. <i>Clinical Imaging</i> , <b>2018</b> , 52, 226-239	2.7	14
37	Dual-Energy CT in Differentiating Nonperforated Gangrenous Appendicitis From Uncomplicated Appendicitis. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 776-782	5.4	16
36	Using Body Mass Index and Bioelectric Impedance Analysis to Assess the Need for Positive Oral Contrast Agents Before Abdominopelvic CT. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 340-346	5.4	1
35	Influences for Gender Disparity in Academic Neuroradiology. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 18-23	4.4	50
34	Presence of monosodium urate crystal deposition by dual-energy CT in patients with gout treated with allopurinol. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 364-370	2.4	33
33	Diagnostic Imaging in Disasters: A Bibliometric Analysis. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2018</b> , 12, 265-277	2.8	7
32	Faster magnetic resonance imaging in emergency room patients with right lower quadrant pain and suspected acute appendicitis. <i>Polish Journal of Radiology</i> , <b>2018</b> , 83, e340-e347	1.6	5
31	Referral Patterns for Dual-Energy Computed Tomography in Diagnosis and Management of Gout: Ten-Year Experience at a Canadian Institution. <i>Canadian Association of Radiologists Journal</i> , <b>2018</b> , 69, 430-436	3.9	0
30	Influences for Gender Disparity in the Radiology Societies in North America. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 831-838	5.4	41
29	What Are the Expected Findings on Follow-up Computed Tomography Angiogram in Post-traumatic Patients With Blunt Cerebrovascular Injury?. <i>Canadian Association of Radiologists Journal</i> , <b>2018</b> , 69, 266-276	2.9	3



28	Research Mentorship for Our Residents and Fellows: A Vital Supplement for the Health of Our Specialty. <i>Current Problems in Diagnostic Radiology</i> , <b>2017</b> , 46, 349-350	1.6	2
27	Detection of Bone Marrow Edema in Nondisplaced Hip Fractures: Utility of a Virtual Noncalcium Dual-Energy CT Application. <i>Radiology</i> , <b>2017</b> , 284, 798-805	20.5	49
26	Top 50 Highly Cited Articles on Dual Energy Computed Tomography (DECT) in Abdominal Radiology: A Bibliometric Analysis. <i>Polish Journal of Radiology</i> , <b>2017</b> , 82, 748-759	1.6	3
25	Diagnostic Imaging in Disasters: A Bibliometric Analysis. <i>Prehospital and Disaster Medicine</i> , <b>2017</b> , 32, S45	0.8	
24	Trends in CT colonography: bibliometric analysis of the 100 most-cited articles. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160755	3.4	8
23	Senior medical students' awareness of radiation risks from common diagnostic imaging examinations. <i>Canadian Medical Education Journal</i> , <b>2017</b> , 8, e31-e41	1	1
22	Development of an Undergraduate Radiology Curriculum: Ten-Year Experience From the University of British Columbia. <i>Canadian Association of Radiologists Journal</i> , <b>2017</b> , 68, 237-242	3.9	5
21	Dual-Energy CT for the Musculoskeletal System. <i>Radiology</i> , <b>2016</b> , 281, 690-707	20.5	129
20	Dual-source CT in blunt trauma patients: elimination of diaphragmatic motion using high-pitch spiral technique. <i>Emergency Radiology</i> , <b>2016</b> , 23, 127-32	3	6
19	Are We Missing Traumatic Bowel and Mesenteric Injuries?. <i>Canadian Association of Radiologists Journal</i> , <b>2016</b> , 67, 420-425	3.9	19
18	Virtual monoenergetic reconstruction of contrast-enhanced dual energy CT at 70keV maximizes mural enhancement in acute small bowel obstruction. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 950-6	4.7	44
17	Imaging Protocols for Trauma Patients: Trauma Series, Extended Focused Assessment With Sonography for Trauma, and Selective and Whole-body Computed Tomography. <i>Seminars in Roentgenology</i> , <b>2016</b> , 51, 130-42	0.8	9
16	Getting the Most From Your Dual-Energy Scanner: Recognizing, Reducing, and Eliminating Artifacts. <i>American Journal of Roentgenology</i> , <b>2016</b> , 206, 119-28	5.4	38
15	Clinics in diagnostic imaging (167). Total shoulder arthroplasty glenoid component loosening with secondary rotator cuff failure. <i>Singapore Medical Journal</i> , <b>2016</b> , 57, 172-6; quiz 177	1.9	
14	Comparing Measurements of CT Angiography, TEE, and Fluoroscopy of the Left Atrial Appendage for Percutaneous Closure. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2016</b> , 27, 414-22	2.7	50
13	Association of Body Mass Index With Incidence and Progression of Knee Effusion on Magnetic Resonance Imaging and on Knee Examination. <i>Arthritis Care and Research</i> , <b>2016</b> , 68, 511-6	4.7	10
12	The 100 most-cited original articles in cardiac computed tomography: A bibliometric analysis. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2016</b> , 10, 414-23	2.8	27
11	Emergency Abdominal Applications of DECT. <i>Current Radiology Reports</i> , <b>2016</b> , 4, 1	0.5	4

10	Dual-Energy Computed Tomography: Advantages in the Acute Setting. <i>Radiologic Clinics of North America</i> , <b>2015</b> , 53, 619-38, vii	2.3	12
9	Specific Radiological Findings of Traumatic Gastrointestinal Tract Injuries in Patients With Blunt Chest and Abdominal Trauma. <i>Canadian Association of Radiologists Journal</i> , <b>2015</b> , 66, 158-63	3.9	9
8	Imaging of Traumatic Diaphragmatic Rupture: Evaluation of Diagnostic Accuracy at a Level 1 Trauma Centre. <i>Canadian Association of Radiologists Journal</i> , <b>2015</b> , 66, 310-7	3.9	13
7	Cardiac CT angiography for device surveillance after endovascular left atrial appendage closure. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 1198-206	4.1	85
6	The integration of anatomy and radiology through interactive online modules. <i>FASEB Journal</i> , <b>2013</b> , 27, 960.25	0.9	
5	Ultrasound-guided interventional radiology in critical care. <i>Critical Care Medicine</i> , <b>2007</b> , 35, S186-97	1.4	49
4	Imaging of acute small-bowel obstruction. <i>American Journal of Roentgenology</i> , <b>2005</b> , 185, 1036-44	5.4	72
3	SARS: imaging of severe acute respiratory syndrome. <i>American Journal of Roentgenology</i> , <b>2003</b> , 180, 1247-9	5.4	46
2	Rapid Diagnosis of an Ulnar Fracture with Portable Hand-Held Ultrasound. <i>Military Medicine</i> , <b>2003</b> , 168, 312-313	1.3	17
1	Odontoid fracture following an epileptic seizure. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2001</b> , 45, 359-61		5