

Rebecca Smith-Bindman

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

8,196
citations

159358

30
h-index

74018

75
g-index

82
all docs

82
docs citations

82
times ranked

9341
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation Dose Associated With Common Computed Tomography Examinations and the Associated Lifetime Attributable Risk of Cancer. <i>Archives of Internal Medicine</i> , 2009, 169, 2078.	4.3	2,008
2	The Use of Computed Tomography in Pediatrics and the Associated Radiation Exposure and Estimated Cancer Risk. <i>JAMA Pediatrics</i> , 2013, 167, 700.	3.3	1,123
3	Use of Diagnostic Imaging Studies and Associated Radiation Exposure for Patients Enrolled in Large Integrated Health Care Systems, 1996-2010. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 2400-9.	3.8	685
4	Ultrasonography versus Computed Tomography for Suspected Nephrolithiasis. <i>New England Journal of Medicine</i> , 2014, 371, 1100-1110.	13.9	501
5	Rising Use Of Diagnostic Medical Imaging In A Large Integrated Health System. <i>Health Affairs</i> , 2008, 27, 1491-1502.	2.5	498
6	Is Computed Tomography Safe?. <i>New England Journal of Medicine</i> , 2010, 363, 1-4.	13.9	406
7	Trends in Use of Medical Imaging in US Health Care Systems and in Ontario, Canada, 2000-2016. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 843.	3.8	350
8	Management of Asymptomatic Ovarian and Other Adnexal Cysts Imaged at US: Society of Radiologists in Ultrasound Consensus Conference Statement. <i>Radiology</i> , 2010, 256, 943-954.	3.6	290
9	Comparison of Screening Mammography in the United States and the United Kingdom. <i>JAMA - Journal of the American Medical Association</i> , 2003, 290, 2129.	3.8	283
10	Risk of Thyroid Cancer Based on Thyroid Ultrasound Imaging Characteristics. <i>JAMA Internal Medicine</i> , 2013, 173, 1788.	2.6	236
11	A comparison of morphometric definitions of vertebral fracture. <i>Journal of Bone and Mineral Research</i> , 1991, 6, 25-34.	3.1	197
12	Physician Predictors of Mammographic Accuracy. <i>Journal of the National Cancer Institute</i> , 2005, 97, 358-367.	3.0	132
13	Radiation Doses in Consecutive CT Examinations from Five University of California Medical Centers. <i>Radiology</i> , 2015, 277, 134-141.	3.6	100
14	International variation in radiation dose for computed tomography examinations: prospective cohort study. <i>BMJ: British Medical Journal</i> , 2019, 364, k4931.	2.4	98
15	Second trimester prenatal ultrasound for the detection of pregnancies at increased risk of Down syndrome. <i>Prenatal Diagnosis</i> , 2007, 27, 535-544.	1.1	86
16	Adverse Birth Outcomes in Relation to Prenatal Sonographic Measurements of Fetal Size. <i>Journal of Ultrasound in Medicine</i> , 2003, 22, 347-356.	0.8	68
17	Comparing the performance of mammography screening in the USA and the UK. <i>Journal of Medical Screening</i> , 2005, 12, 50-54.	1.1	66
18	Can Medicare Billing Claims Data Be Used to Assess Mammography Utilization Among Women Ages 65 and Older?. <i>Medical Care</i> , 2006, 44, 463-470.	1.1	55

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19	External Validation of the STONE Score, a Clinical Prediction Rule for Ureteral Stone: An Observational Multi-institutional Study. <i>Annals of Emergency Medicine</i> , 2016, 67, 423-432.e2.	0.3	53
20	The Impact of Clinical Decision Rules on Computed Tomography Use and Yield for Pulmonary Embolism: A Systematic Review and Meta-analysis. <i>Annals of Emergency Medicine</i> , 2016, 67, 693-701.e3.	0.3	50
21	US Evaluation of Fetal Growth: Prediction of Neonatal Outcomes. <i>Radiology</i> , 2002, 223, 153-161.	3.6	48
22	Risk of Malignant Ovarian Cancer Based on Ultrasonography Findings in a Large Unselected Population. <i>JAMA Internal Medicine</i> , 2019, 179, 71.	2.6	48
23	Simple Adnexal Cysts: SRU Consensus Conference Update on Follow-up and Reporting. <i>Radiology</i> , 2019, 293, 359-371.	3.6	47
24	Environmental Causes of Breast Cancer and Radiation From Medical Imaging. <i>Archives of Internal Medicine</i> , 2012, 172, 1023-7.	4.3	41
25	Optimizing Radiation Doses for Computed Tomography Across Institutions. <i>JAMA Internal Medicine</i> , 2017, 177, 810.	2.6	40
26	Effect of Tamsulosin on Stone Passage for Ureteral Stones: A Systematic Review and Meta-analysis. <i>Annals of Emergency Medicine</i> , 2017, 69, 353-361.e3.	0.3	38
27	Computed Tomography Radiation Dose in Patients With Suspected Urolithiasis. <i>JAMA Internal Medicine</i> , 2015, 175, 1413.	2.6	35
28	Predictors of CT Radiation Dose and Their Effect on Patient Care: A Comprehensive Analysis Using Automated Data. <i>Radiology</i> , 2017, 282, 182-193.	3.6	34
29	Comparison of the Harms, Advantages, and Costs Associated With Alternative Guidelines for the Evaluation of Hematuria. <i>JAMA Internal Medicine</i> , 2019, 179, 1352.	2.6	34
30	Diagnostic imaging rates for head injury in the ED and states' medical malpractice tort reforms. <i>American Journal of Emergency Medicine</i> , 2011, 29, 656-664.	0.7	33
31	Facility Mammography Volume in Relation to Breast Cancer Screening Outcomes. <i>Journal of Medical Screening</i> , 2016, 23, 31-37.	1.1	26
32	Leukemia Risk in a Cohort of 3.9 Million Children with and without Down Syndrome. <i>Journal of Pediatrics</i> , 2021, 234, 172-180.e3.	0.9	25
33	Trends in Imaging for Suspected Pulmonary Embolism Across US Health Care Systems, 2004 to 2016. <i>JAMA Network Open</i> , 2020, 3, e2026930.	2.8	24
34	Prenatal screening for Down syndrome in England and Wales and population-based birth outcomes. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 189, 980-985.	0.7	23
35	Use of Advanced Imaging Tests and the Not-So-Incidental Harms of Incidental Findings. <i>JAMA Internal Medicine</i> , 2018, 178, 227.	2.6	23
36	Emergency Department Imaging Modality Effect on Surgical Management of Nephrolithiasis: A Multicenter, Randomized Clinical Trial. <i>Journal of Urology</i> , 2017, 197, 710-714.	0.2	20

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37	Association of the Intensity of Diagnostic Evaluation With Outcomes in Incidentally Detected Lung Nodules. <i>JAMA Internal Medicine</i> , 2021, 181, 480.	2.6	20
38	CTDI _{vol} , DLP, and Effective Dose Are Excellent Measures for Use in CT Quality Improvement. <i>Radiology</i> , 2011, 261, 999-999.	3.6	19
39	Cost Analysis of the STONE Randomized Trial. <i>Medical Care</i> , 2016, 54, 337-342.	1.1	19
40	Analysis of Computed Tomography Radiation Doses Used for Lung Cancer Screening Scans. <i>JAMA Internal Medicine</i> , 2019, 179, 1650.	2.6	19
41	The use of dose quantities in radiological protection: ICRP publication 147 Ann ICRP 50(1) 2021. <i>Journal of Radiological Protection</i> , 2021, 41, 410-422.	0.6	19
42	Physician Workload in Mammography. <i>American Journal of Roentgenology</i> , 2008, 190, 526-532.	1.0	18
43	Diagnostic reference levels and median doses for common clinical indications of CT: findings from an international registry. <i>European Radiology</i> , 2022, 32, 1971-1982.	2.3	17
44	Age and sex-dependent trends in pulmonary embolism testing and derivation of a clinical decision rule for young patients. <i>Emergency Medicine Journal</i> , 2015, 32, 840-845.	0.4	16
45	Trends in Use of Diagnostic Imaging for Abdominal Pain in U.S. Emergency Departments. <i>American Journal of Roentgenology</i> , 2021, 216, 200-208.	1.0	16
46	Personalized Technologist Dose Audit Feedback for Reducing Patient Radiation Exposure From CT. <i>Journal of the American College of Radiology</i> , 2014, 11, 300-308.	0.9	15
47	Comparison of Strategies to Conserve Iodinated Intravascular Contrast Media for Computed Tomography During a Shortage. <i>JAMA - Journal of the American Medical Association</i> , 2022, 328, 476.	3.8	15
48	Comparison of the Effectiveness of Single-Component and Multicomponent Interventions for Reducing Radiation Doses in Patients Undergoing Computed Tomography. <i>JAMA Internal Medicine</i> , 2020, 180, 666.	2.6	14
49	Calculation of Organ Doses for a Large Number of Patients Undergoing CT Examinations. <i>American Journal of Roentgenology</i> , 2015, 205, 827-833.	1.0	12
50	US Findings in Patients at Risk for Pancreas Transplant Failure. <i>Radiology</i> , 2016, 280, 281-289.	3.6	12
51	Radiation Dose Metrics in CT: Assessing Dose Using the National Quality Forum CT Patient Safety Measure. <i>Journal of the American College of Radiology</i> , 2014, 11, 309-315.	0.9	10
52	Study of Tomography Of Nephrolithiasis Evaluation (STONE): Methodology, approach and rationale. <i>Contemporary Clinical Trials</i> , 2014, 38, 92-101.	0.8	10
53	Derivation of decision rules to predict clinically important outcomes in acute flank pain patients. <i>American Journal of Emergency Medicine</i> , 2017, 35, 554-563.	0.7	10
54	Introduction to the Special Issue: Radiation Dose Optimization—Improving the Safety of CT. <i>Journal of the American College of Radiology</i> , 2014, 11, 229-230.	0.9	9

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55	Probability of receiving a high cumulative radiation dose and primary clinical indication of CT examinations: a 5-year observational cohort study. <i>BMJ Open</i> , 2021, 11, e041883.	0.8	9
56	An Image Quality–informed Framework for CT Characterization. <i>Radiology</i> , 2022, 302, 380-389.	3.6	9
57	Reference phantom selection in pediatric computed tomography using data from a large, multicenter registry. <i>Pediatric Radiology</i> , 2022, 52, 445-452.	1.1	8
58	Trends of CT Utilization in North America Over the Last Decade. <i>Current Radiology Reports</i> , 2015, 3, 1.	0.4	7
59	Imaging More Wisely. <i>JAMA Internal Medicine</i> , 2016, 176, 168.	2.6	7
60	Medical expulsive therapy use in emergency department patients diagnosed with ureteral stones. <i>American Journal of Emergency Medicine</i> , 2017, 35, 1069-1074.	0.7	7
61	Virtual Meetings: Improving Impact and Accessibility of CME. <i>Journal of the American College of Radiology</i> , 2014, 11, 231-232.	0.9	6
62	The Effect of Achieving Patient-Reported Outcome Measures on Satisfaction. <i>Journal of the American Board of Family Medicine</i> , 2015, 28, 785-792.	0.8	6
63	Barriers to CT Dose Optimization: The Challenge of Organizational Change. <i>Academic Radiology</i> , 2021, 28, 387-392.	1.3	5
64	Guidelines for the Evaluation of Pulmonary Nodules Detected Incidentally or by Screening: A Survey of Radiologist Awareness, Agreement, and Adherence From the Watch the Spot Trial. <i>Journal of the American College of Radiology</i> , 2021, 18, 545-553.	0.9	5
65	It Is Time to Inform Patients of Medical Imaging Risks. <i>JAMA Network Open</i> , 2021, 4, e2129681.	2.8	5
66	Quantifying cancer risk from exposures to medical imaging in the Risk of Pediatric and Adolescent Cancer Associated with Medical Imaging (RIC) Study: research methods and cohort profile. <i>Cancer Causes and Control</i> , 2022, 33, 711-726.	0.8	5
67	CT Radiation and the Risk of Cancer. <i>Current Radiology Reports</i> , 2015, 3, 1.	0.4	4
68	Organizational Factors and Quality Improvement Strategies Associated With Lower Radiation Dose From CT Examinations. <i>Journal of the American College of Radiology</i> , 2020, 17, 951-959.	0.9	4
69	Who Gets to Decide?. <i>Radiology</i> , 2016, 278, 635-637.	3.6	2
70	Diagnostic Imaging for Kidney Stones. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1464.	3.8	2
71	USPSTF Recommendations for Screening for Carotid Stenosis to Prevent Stroke—The Need for More Data. <i>JAMA Network Open</i> , 2021, 4, e2036218.	2.8	2
72	Long-term medical imaging use in children with central nervous system tumors. <i>PLoS ONE</i> , 2021, 16, e0248643.	1.1	2

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73	Positive predictive value and sensitivity of ICDâ€”CM codes for identifying pediatric leukemia. <i>Pediatric Blood and Cancer</i> , 2021, 69, e29383.	0.8	2
74	Strategies for Dose Optimization: Views From Health Care Systems. <i>Journal of the American College of Radiology</i> , 2022, 19, 534-541.	0.9	2
75	Clinical Decision Making in Patients With Thyroid Nodulesâ€”Reply. <i>JAMA Internal Medicine</i> , 2014, 174, 1006.	2.6	1
76	Imaging More Wiselyâ€”Already At Workâ€”Reply. <i>JAMA Internal Medicine</i> , 2016, 176, 870.	2.6	1
77	Association Between the Frequent Use of Perineal Talcum Powder Products and Ovarian Cancer: a Systematic Review and Meta-analysis. <i>Journal of General Internal Medicine</i> , 2022, 37, 2526-2532.	1.3	1
78	Author's Reply. <i>Journal of the American College of Radiology</i> , 2014, 11, 746-747.	0.9	0
79	Lack of Standardized Terminology in Ultrasound Reports for Ovarian Cystsâ€”Reply. <i>JAMA Internal Medicine</i> , 2019, 179, 848.	2.6	0
80	American Urological Association, American College of Emergency Physicians and American College of Radiology Quality Improvement Summit 2017: Challenges and Opportunities for Stewardship of Urological Imaging. <i>Urology Practice</i> , 2019, 6, 300-308.	0.2	0
81	Effective Radiation Doses for Lung Cancer Screening Scansâ€”Reply. <i>JAMA Internal Medicine</i> , 2020, 180, 612.	2.6	0