John Eng

List of Publications by Year in descending order

121 papers	7,068 citations	53794 45 h-index	62596 80 g-index
121 all docs	121 docs citations	121 times ranked	9770 citing authors

#	Article	IF	Citations
1	Sample Size Estimation: How Many Individuals Should Be Studied?. Radiology, 2003, 227, 309-313.	7.3	588
2	Normal values for cardiovascular magnetic resonance in adults and children. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 29.	3.3	583
3	Lung Cancer Screening With Helical Computed Tomography in Older Adult Smokers. JAMA - Journal of the American Medical Association, 2003, 289, 313.	7.4	288
4	CT of Primary Cystic Pancreatic Neoplasms. American Journal of Roentgenology, 2000, 175, 99-103.	2.2	266
5	Quantitative1H magnetization transfer imagingin vivo. Magnetic Resonance in Medicine, 1991, 17, 304-314.	3.0	215
6	The Role of Functional MR Imaging in the Assessment of Tumor Response after Chemoembolization in Patients with Hepatocellular Carcinoma. Journal of Vascular and Interventional Radiology, 2006, 17, 505-512.	0.5	195
7	Role of Diffusion-Weighted Imaging in Estimating Tumor Necrosis After Chemoembolization of Hepatocellular Carcinoma. American Journal of Roentgenology, 2003, 181, 708-710.	2.2	172
8	Relationships of mitral annular calcification to cardiovascular risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2010, 213, 558-562.	0.8	169
9	Effectiveness of Prevention Strategies for Contrast-Induced Nephropathy. Annals of Internal Medicine, 2016, 164, 406.	3.9	143
10	MDCT of Intraductal Papillary Mucinous Neoplasm of the Pancreas: Evaluation of Features Predictive of Invasive Carcinoma. American Journal of Roentgenology, 2006, 186, 687-695.	2.2	134
11	Receiver Operating Characteristic Analysis. Academic Radiology, 2005, 12, 909-916.	2.5	119
12	Normal Left Ventricular Myocardial Thickness for Middle-Aged and Older Subjects With Steady-State Free Precession Cardiac Magnetic Resonance. Circulation: Cardiovascular Imaging, 2012, 5, 500-508.	2.6	114
13	Interpretation of Emergency Department Radiographs. American Journal of Roentgenology, 2000, 175, 1233-1238.	2.2	109
14	Improving the CAC Score by Addition of Regional Measures of Calcium Distribution. JACC: Cardiovascular Imaging, 2016, 9, 1407-1416.	5.3	101
15	Comparative Effect of Contrast Media Type on the Incidence of Contrast-Induced Nephropathy. Annals of Internal Medicine, 2016, 164, 417.	3.9	101
16	Risk factors associated with the incidence and progression of mitral annulus calcification: The multi-ethnic study of atherosclerosis. American Heart Journal, 2013, 166, 904-912.	2.7	96
17	Association of Coronary Artery Calcium and Coronary Heart Disease Events in Young and Elderly Participants in the Multi-Ethnic Study of Atherosclerosis. Mayo Clinic Proceedings, 2014, 89, 1350-1359.	3.0	94
18	Distribution of Coronary Artery Calcium Scores by Framingham 10-Year Risk Strata in the MESA (Multi-Ethnic Study of Atherosclerosis). Journal of the American College of Cardiology, 2011, 57, 1838-1845.	2.8	93

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19	Dietary phosphorus is associated with greater left ventricular mass. Kidney International, 2013, 83, 707-714.	5.2	91
20	Screening for Preclinical Disease: Test and Disease Characteristics. American Journal of Roentgenology, 2002, 179, 825-831.	2.2	90
21	Usefulness of clinical prediction rules for the diagnosis of venous thromboembolism: A systematic review. American Journal of Medicine, 2004, 117, 676-684.	1.5	90
22	Superolateral Hoffa's Fat Pad Edema: Association With Patellofemoral Maltracking and Impingement. American Journal of Roentgenology, 2010, 195, 1367-1373.	2.2	89
23	Determinants and normal values of ascending aortic diameter by age, gender, and race/ethnicity in the Multiâ€Ethnic Study of Atherosclerosis (MESA). Journal of Magnetic Resonance Imaging, 2014, 39, 360-368.	3.4	88
24	External Validation of Deep Learning Algorithms for Radiologic Diagnosis: A Systematic Review. Radiology: Artificial Intelligence, 2022, 4, .	5.8	87
25	Local Tumor Recurrence Following Hepatic Cryoablation: Radiologic-histopathologic Correlation in a Rabbit Model. Radiology, 2000, 217, 477-486.	7.3	84
26	Effect of Spinal Segment Variants on Numbering Vertebral Levels at Lumbar MR Imaging. Radiology, 2011, 259, 196-202.	7.3	83
27	Accuracy of CT in the Diagnosis of Pulmonary Embolism: A Systematic Literature Review. American Journal of Roentgenology, 2004, 183, 1819-1827.	2.2	79
28	Adverse Left Ventricular Remodeling and Age Assessed with Cardiac MR Imaging: The Multi-Ethnic Study of Atherosclerosis. Radiology, 2016, 278, 714-722.	7.3	76
29	Left ventricular shape variation in asymptomatic populations: the multi-ethnic study of atherosclerosis. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 56.	3.3	75
30	Iliac Vein Compression as Risk Factor for Left- versus Right-Sided Deep Venous Thrombosis: Case-Control Study. Radiology, 2012, 265, 949-957.	7.3	72
31	Normal Enhancement of the Small Bowel: Evaluation with Spiral CT. Journal of Computer Assisted Tomography, 2000, 24, 67-71.	0.9	72
32	Research Synthesis. Spine, 2012, 37, E736-E744.	2.0	67
33	Distinction of Long Bone Stress Fractures from Pathologic Fractures on Cross-Sectional Imaging: How Successful Are We?. American Journal of Roentgenology, 2005, 185, 915-924.	2.2	66
34	The iPad as a mobile device for CT display and interpretation: diagnostic accuracy for identification of pulmonary embolism. Emergency Radiology, 2012, 19, 323-327.	1.8	66
35	Characterization of Musculoskeletal Lesions on 3-T Proton MR Spectroscopy. American Journal of Roentgenology, 2007, 188, 1513-1520.	2.2	64
36	Interobserver agreement of semi-automated and manual measurements of functional MRI metrics of treatment response in hepatocellular carcinoma. European Journal of Radiology, 2014, 83, 487-496.	2.6	63

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37	Association of Cardiovascular Health With Subclinical Disease and Incident Events: The Multiâ€Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2017, 6, .	3.7	63
38	Receiver Operating Characteristic Analysis of Diffusion-Weighted Magnetic Resonance Imaging in Differentiating Hepatic Hemangioma From Other Hypervascular Liver Lesions. Journal of Computer Assisted Tomography, 2008, 32, 750-756.	0.9	61
39	Intrahepatic Cholangiocarcinoma Treated with Local-Regional Therapy: Quantitative Volumetric Apparent Diffusion Coefficient Maps for Assessment of Tumor Response. Radiology, 2012, 264, 285-294.	7.3	60
40	Pulse Pressure and Subclinical Cardiovascular Disease in the Multi-Ethnic Study of Atherosclerosis. American Journal of Hypertension, 2013, 26, 636-642.	2.0	55
41	Left Ventricular Mass at MRI and Long-term Risk of Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis (MESA). Radiology, 2019, 293, 107-114.	7.3	55
42	Neuroendocrine Liver Metastasis Treated by Using Intraarterial Therapy: Volumetric Functional Imaging Biomarkers of Early Tumor Response and Survival. Radiology, 2013, 266, 502-513.	7.3	54
43	Myocardial T2 mapping by cardiovascular magnetic resonance reveals subclinical myocardial inflammation in patients with systemic lupus erythematosus. International Journal of Cardiovascular Imaging, 2015, 31, 389-397.	1.5	52
44	Unresectable Hepatocellular Carcinoma: MR Imaging after Intraarterial Therapy. Part II. Response Stratification Using Volumetric Functional Criteria after Intraarterial Therapy. Radiology, 2013, 268, 431-439.	7.3	49
45	Prediction of Coronary Artery Calcium Progression in Individuals With Low Framingham Risk Score. JACC: Cardiovascular Imaging, 2012, 5, 144-153.	5.3	48
46	Comparison of Supine Magnetic Resonance Imaging With and Without Rectal Contrast to Fluoroscopic Cystocolpoproctography for the Diagnosis of Pelvic Organ Prolapse. Journal of Computer Assisted Tomography, 2009, 33, 125-130.	0.9	47
47	Multimodality correlations of patellar height measurement on X-ray, CT, and MRI. Skeletal Radiology, 2012, 41, 1309-1314.	2.0	46
48	Outpatient therapy with low molecular weight heparin for the treatment of venous thromboembolism: a review of efficacy, safety, and costs. American Journal of Medicine, 2003, 115, 298-308.	1.5	44
49	Modification of the Effect of Glycemic Status on Aortic Distensibility by Age in the Multi-Ethnic Study of Atherosclerosis. Hypertension, 2010, 55, 26-32.	2.7	42
50	Serum phosphate is associated with aortic valve calcification in the Multi-ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2014, 233, 331-337.	0.8	42
51	Unresectable Hepatocellular Carcinoma: MR Imaging after Intraarterial Therapy. Part I. Identification and Validation of Volumetric Functional Response Criteria. Radiology, 2013, 268, 420-430.	7.3	41
52	Patellar instability: CT and MRI measurements and their correlation with internal derangement findings. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 3021-3028.	4.2	40
53	Presurgical fMRI and DTI for the Prediction of Perioperative Motor and Language Deficits in Primary or Metastatic Brain Lesions. Journal of Neuroimaging, 2015, 25, 776-784.	2.0	39
54	Sample Size Estimation: A Glimpse beyond Simple Formulas. Radiology, 2004, 230, 606-612.	7.3	38

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55	Agreement and Reproducibility of Apparent Diffusion Coefficient Measurements of Dual-b-Value and Multi-b-Value Diffusion-Weighted Magnetic Resonance Imaging at 1.5 Tesla in Phantom and in Soft Tissues of the Abdomen. Journal of Computer Assisted Tomography, 2013, 37, 46-51.	0.9	38
56	Predictors of Long-Term Healthy ArterialÂAging. JACC: Cardiovascular Imaging, 2015, 8, 1393-1400.	5.3	37
57	Left ventricular wall thickness in patients with hypertrophic cardiomyopathy: a comparison between cardiac magnetic resonance imaging and echocardiography. International Journal of Cardiovascular Imaging, 2016, 32, 945-954.	1.5	37
58	Safety and Hemodynamic Effects of Pulmonary Angiography in Patients with Pulmonary Hypertension: 10-Year Single-Center Experience. American Journal of Roentgenology, 2004, 183, 779-785.	2.2	36
59	Genetic ancestry and lower extremity peripheral artery disease in the Multi-Ethnic Study of Atherosclerosis. Vascular Medicine, 2010, 15, 351-359.	1.5	36
60	Meralgia paresthetica: 3-Tesla magnetic resonance neurography. Skeletal Radiology, 2013, 42, 803-808.	2.0	36
61	Scapholunate Interosseous Ligament Tears. Academic Radiology, 2016, 23, 1091-1103.	2.5	36
62	A Comparison of World Wide Web Resources for Identifying Medical Information. Academic Radiology, 2008, 15, 1165-1172.	2.5	35
63	Prevalence of Honorary Coauthorship in the American Journal of Roentgenology. American Journal of Roentgenology, 2012, 198, 1247-1255.	2.2	35
64	Diagnostic Performance of Three-dimensional MRI for Depicting Cartilage Defects in the Knee: A Meta-Analysis. Radiology, 2018, 289, 71-82.	7.3	35
65	Weight loss and progressive left ventricular remodelling: The Multi-Ethnic Study of Atherosclerosis (MESA). European Journal of Preventive Cardiology, 2015, 22, 1408-1418.	1.8	34
66	Scapholunate kinematics of asymptomatic wrists in comparison with symptomatic contralateral wrists using four-dimensional CT examinations: initial clinical experience. Skeletal Radiology, 2016, 45, 437-446.	2.0	32
67	64-MDCT Angiography of the Coronary Arteries: Nationwide Survey of Patient Preparation Practice. American Journal of Roentgenology, 2008, 190, 743-747.	2.2	30
68	MDCT for Suspected Appendicitis: Effect of Reconstruction Section Thickness on Diagnostic Accuracy, Rate of Appendiceal Visualization, and Reader Confidence Using Axial Images. American Journal of Roentgenology, 2009, 192, 893-901.	2.2	29
69	Predictive value of semi-quantitative MRI-based scoring systems for future knee replacement: data from the osteoarthritis initiative. Skeletal Radiology, 2015, 44, 1655-1662.	2.0	29
70	One Algorithm May Not Fit All: How Selection Bias Affects Machine Learning Performance. Radiographics, 2020, 40, 1932-1937.	3.3	29
71	Endovascular Model of Rabbit Hindlimb Ischemia: A Platform to Evaluate Therapeutic Angiogenesis. Journal of Vascular and Interventional Radiology, 2005, 16, 991-998.	0.5	27
72	The treatment of venous malformations with percutaneous sclerotherapy at a single academic medical center. Phlebology, 2016, 31, 603-609.	1.2	27

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73	CT of Small-Bowel Obstruction in Children. American Journal of Roentgenology, 2001, 177, 431-436.	2.2	26
74	Imaging Publications in the COVID-19 Pandemic: Applying New Research Results to Clinical Practice. Radiology, 2020, 297, E228-E231.	7.3	26
75	Multidetector-row CT of the appendix in healthy adults. Emergency Radiology, 2006, 12, 248-253.	1.8	25
76	Diagnosis of Knee Meniscal Injuries by Using Three-dimensional MRI: A Systematic Review and Meta-Analysis of Diagnostic Performance. Radiology, 2019, 290, 435-445.	7.3	25
77	Human Peripheral Arteries: Feasibility of Transvenous Intravascular MR Imaging of the Arterial Wall. Radiology, 2005, 235, 617-622.	7.3	23
78	Lesions of Ligamentum Teres: Diagnostic Performance of MRI and MR Arthrographyâ€"A Systematic Review and Meta-Analysis. American Journal of Roentgenology, 2018, 211, W52-W63.	2.2	23
79	Can AI outperform a junior resident? Comparison of deep neural network to first-year radiology residents for identification of pneumothorax. Emergency Radiology, 2020, 27, 367-375.	1.8	22
80	Accuracy of Breath-Hold Magnetic Resonance Imaging in Preoperative Staging of Organ-Confined Renal Cell Carcinoma. Journal of Computer Assisted Tomography, 2004, 28, 327-332.	0.9	20
81	Magnetic Resonance Neurography of Common Peroneal (Fibular) Neuropathy. Journal of Computer Assisted Tomography, 2012, 36, 455-461.	0.9	20
82	MRI Diagnosis of Pelvic Organ Prolapse Compared with Clinical Examination. Academic Radiology, 2011, 18, 1245-1251.	2.5	19
83	Incremental value of secretin-enhanced magnetic resonance cholangiopancreatography in detecting ductal communication in a population with high prevalence of small pancreatic cysts. European Journal of Radiology, 2015, 84, 575-580.	2.6	19
84	Role of Thigh Muscle Changes in Knee Osteoarthritis Outcomes: Osteoarthritis Initiative Data. Radiology, 2022, 305, 169-178.	7.3	19
85	Renal distribution and metabolism of [2H9]choline. A2H NMR and MRI study. NMR in Biomedicine, 1990, 3, 173-177.	2.8	18
86	Radiation Safety for the Speech-Language Pathologist. Dysphagia, 2009, 24, 274-279.	1.8	18
87	Use of Advanced Imaging for Radiographically Occult Hip Fracture in Elderly Patients: A Systematic Review and Meta-Analysis. Radiology, 2020, 296, 521-531.	7.3	17
88	Duration of vitamin K antagonist therapy for venous thromboembolism: A systematic review of the literature. American Journal of Hematology, 2006, 81, 684-691.	4.1	16
89	Functional Magnetic Resonance Imaging Response of Targeted Tumor Burden and Its Impact on Survival in Patients With Hepatocellular Carcinoma. Investigative Radiology, 2015, 50, 283-289.	6.2	16
90	Bridging Radiology and Public Health: The Emerging Field of Radiologic Public Health Informatics. Journal of the American College of Radiology, 2008, 5, 174-181.	1.8	15

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91	Arteriographic and Pathologic Evaluation of Two Suture-mediated Arterial Closure Devices in a Porcine Model. Journal of Vascular and Interventional Radiology, 2003, 14, 755-761.	0.5	14
92	The relationship of insulin resistance and extracoronary calcification in the multi-ethnic study of atherosclerosis. Atherosclerosis, 2011, 218, 507-510.	0.8	14
93	Collaboration System for Radiology Workstations. Radiographics, 2002, 22, e5.	3.3	14
94	Informatics in Radiology (infoRAD). Radiographics, 2004, 24, 1493-1501.	3.3	13
95	Computer Network Security for the Radiology Enterprise. Radiology, 2001, 220, 303-309.	7.3	12
96	Predicting the Presence of Acute Pulmonary Embolism: A Comparative Analysis of the Artificial Neural Network, Logistic Regression, and Threshold Models. American Journal of Roentgenology, 2002, 179, 869-874.	2.2	12
97	Teaching Receiver Operating Characteristic Analysis. Academic Radiology, 2012, 19, 1452-1456.	2.5	12
98	3T Magnetic Resonance Neurography of Tibial Nerve Pathologies. Journal of Neuroimaging, 2013, 23, 296-310.	2.0	12
99	Epicardial Fat Distribution Assessed with Cardiac CT in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. Radiology, 2018, 289, 641-648.	7.3	12
100	Examining the role of cranial CT in the evaluation of patients with minor head injury: a systematic review. Neuroimaging Clinics of North America, 2003, 13, 273-282.	1.0	11
101	Internet-Based Radiology Order-Entry, Reporting, and Workflow Management System for Coordinating Urgent Study Requests During Off-Hours. American Journal of Roentgenology, 2005, 184, 1017-1020.	2.2	11
102	Magnetic resonance neurography of median neuropathies proximal to the carpal tunnel. Skeletal Radiology, 2012, 41, 623-632.	2.0	11
103	Evaluating the Completeness ofÂRadLex in the Chest Radiography Domain. Academic Radiology, 2013, 20, 1329-1333.	2.5	11
104	Added value of apparent diffusion coefficient in distinguishing between serous and mucin-producing pancreatic cystic neoplasms. European Radiology, 2019, 29, 4660-4669.	4.5	11
105	Is a Picture Really Worth More than a Thousand Words? Which Instagram Post Types Elicit the Best Response for Radiology Education. Journal of Digital Imaging, 2020, 33, 1053-1057.	2.9	10
106	Getting started in radiology research. Academic Radiology, 2004, 11, 149-154.	2.5	9
107	Catheter Insertion for Intravenous (IV) Contrast Infusion in Multidetector-Row Computed Tomography (MDCT). Journal of Computer Assisted Tomography, 2014, 38, 281-284.	0.9	9
108	Evolving Physician Perception of World Wide Web Education. Academic Radiology, 2007, 14, 1092-1101.	2.5	6

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109	File Filtering in Stata: Handling Complex Data Formats and Navigating Log Files Efficiently. The Stata Journal, 2007, 7, 98-105.	2.2	6
110	Remote reading of coronary CTA exams using a tablet computer: utility for stenosis assessment and identification of coronary anomalies. Emergency Radiology, 2016, 23, 255-261.	1.8	6
111	Sampling the Latest Work in Receiver Operating Characteristic Analysis. Academic Radiology, 2012, 19, 1449-1451.	2.5	5
112	Relationship of change in traditional cardiometabolic risk factors to change in coronary artery calcification among individuals with detectable subclinical atherosclerosis: The multi-ethnic study of atherosclerosis. International Journal of Cardiology, 2014, 174, 51-56.	1.7	5
113	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). Current Cardiovascular Imaging Reports, 2015, 8, 1.	0.6	5
114	Receiver Operating Characteristic Analysis. Academic Radiology, 2013, 20, 795-797.	2.5	4
115	Validation of contrast-enhanced time-resolved magnetic resonance angiography in pre-ablation planning in patients with atrial fibrillation: comparison with traditional technique. International Journal of Cardiovascular Imaging, 2018, 34, 1451-1458.	1.5	3
116	Asymptomatic large main pulmonary artery thromboembolism with a low-probability ventilation-perfusion lung scan. Clinical Nuclear Medicine, 2001, 26, 216-220.	1.3	2
117	Use of Spreadsheets for Research Data Collection and Preparation:. Academic Radiology, 2015, 22, 1592-1599.	2.5	2
118	DexNote: A Learner-Centric Tool for Radiology Knowledge Tracking. American Journal of Roentgenology, 2009, 193, W118-W121.	2.2	1
119	A Mathematical Simulation to Assess Variability in Lung Nodule Size Measurement Associated With Nodule-Slice Position. Journal of Digital Imaging, 2015, 28, 373-379.	2.9	1
120	Evaluation of Coronary Artery Disease and Coronary Anomalies with a Handheld Smartphone. Journal of Digital Imaging, 2017, 30, 732-737.	2.9	1
121	Improved demonstration of cartilage narrowing in the knee joint using standing PA flexed radiographs. Journal - Oklahoma State Medical Association, 2007, 100, 469-72.	0.4	0