David B Larson

List of Publications by Citations

48 papers	**1,151** citations	**16** h-index	**33** g-index
50 ext. papers	**1,583** ext. citations	**6.5** avg, IF	**5.03** L-index

#	Paper	IF	Citations
48	Performance of a Deep-Learning Neural Network Model in Assessing Skeletal Maturity on Pediatric Hand Radiographs. *Radiology*, **2018**, 287, 313-322	20.5	206
47	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. *PLoS Medicine*, **2018**, 15, e1002699	11.6	197
46	Deep Learning to Classify Radiology Free-Text Reports. *Radiology*, **2018**, 286, 845-852	20.5	105
45	Peer Feedback, Learning, and Improvement: Answering the Call of the Institute of Medicine Report on Diagnostic Error. *Radiology*, **2017**, 283, 231-241	20.5	73
44	Communicating Potential Radiation-Induced Cancer Risks From Medical Imaging Directly to Patients. *American Journal of Roentgenology*, **2015**, 205, 962-70	5.4	54
43	Ethics of Using and Sharing Clinical Imaging Data for Artificial Intelligence: A Proposed Framework. *Radiology*, **2020**, 295, 675-682	20.5	44
42	Communication in diagnostic radiology: meeting the challenges of complexity. *American Journal of Roentgenology*, **2014**, 203, 957-64	5.4	36
41	Key Concepts of Patient Safety in Radiology. *Radiographics*, **2015**, 35, 1677-93	5.4	33
40	Root Cause Analysis: Learning from Adverse Safety Events. *Radiographics*, **2015**, 35, 1655-67	5.4	30
39	Practical Suggestions on How to Move From Peer Review to Peer Learning. *American Journal of Roentgenology*, **2018**, 210, 578-582	5.4	27
38	Improving Automated Pediatric Bone Age Estimation Using Ensembles of Models from the 2017 RSNA Machine Learning Challenge. *Radiology: Artificial Intelligence*, **2019**, 1, e190053	8.7	24
37	Regulatory Frameworks for Development and Evaluation of Artificial Intelligence-Based Diagnostic Imaging Algorithms: Summary and Recommendations. *Journal of the American College of Radiology*, **2021**, 18, 413-424	3.5	24
36	Variables Influencing Radiology Volume Recovery During the Next Phase of the Coronavirus Disease 2019 (COVID-19) Pandemic. *Journal of the American College of Radiology*, **2020**, 17, 855-864	3.5	22
35	Realizing Improvement through Team Empowerment (RITE): A Team-based, Project-based Multidisciplinary Improvement Program. *Radiographics*, **2016**, 36, 2170-2183	5.4	19
34	Improving efficiency in the radiology department. *Pediatric Radiology*, **2017**, 47, 783-792	2.8	18
33	Beginner's guide to practice quality improvement using the model for improvement. *Journal of the American College of Radiology*, **2014**, 11, 1131-6	3.5	18
32	Imaging Quality Control in the Era of Artificial Intelligence. *Journal of the American College of Radiology*, **2019**, 16, 1259-1266	3.5	15

#	Reference	IF	Citations
31	Prospective Deployment of Deep Learning in MRI: A Framework for Important Considerations, Challenges, and Recommendations for Best Practices. *Journal of Magnetic Resonance Imaging*, **2021**, 54, 357-371	5.6	15
30	Conducting a Successful Practice Quality Improvement Project for American Board of Radiology Certification. *Radiographics*, **2015**, 35, 1643-51	5.4	14
29	Optimizing CT radiation dose based on patient size and image quality: the size-specific dose estimate method. *Pediatric Radiology*, **2014**, 44 Suppl 3, 501-5	2.8	14
28	Deep learning to automate Brasfield chest radiographic scoring for cystic fibrosis. *Journal of Cystic Fibrosis*, **2020**, 19, 131-138	4.1	14
27	Toward Large-Scale Process Control to Enable Consistent CT Radiation Dose Optimization. *American Journal of Roentgenology*, **2015**, 204, 959-66	5.4	11
26	Project Management for Quality Improvement in Radiology. *American Journal of Roentgenology*, **2015**, 205, W470-7	5.4	11
25	Guide to effective quality improvement reporting in radiology. *Radiology*, **2014**, 271, 561-73	20.5	11
24	Strategies for Implementing a Standardized Structured Radiology Reporting Program. *Radiographics*, **2018**, 38, 1705-1716	5.4	11
23	The Role of Radiology in the Diagnostic Process: Information, Communication, and Teamwork. *American Journal of Roentgenology*, **2017**, 209, 992-1000	5.4	10
22	Transitioning From Peer Review to Peer Learning: Report of the 2020 Peer Learning Summit. *Journal of the American College of Radiology*, **2020**, 17, 1499-1508	3.5	10
21	Strategies for Radiology to Thrive in the Value Era. *Radiology*, **2018**, 289, 3-7	20.5	10
20	Understanding and Applying the Concept of Value Creation in Radiology. *Journal of the American College of Radiology*, **2017**, 14, 549-557	3.5	9
19	Measuring Diagnostic Radiologists: What Measurements Should We Use?. *Journal of the American College of Radiology*, **2019**, 16, 333-335	3.5	9
18	Improving Performance of Mammographic Breast Positioning in an Academic Radiology Practice. *American Journal of Roentgenology*, **2018**, 210, 807-815	5.4	8
17	Artificial Intelligence Algorithm Improves Radiologist Performance in Skeletal Age Assessment: A Prospective Multicenter Randomized Controlled Trial. *Radiology*, **2021**, 301, 692-699	20.5	7
16	Decreasing Stroke Code to CT Time in Patients Presenting with Stroke Symptoms. *Radiographics*, **2017**, 37, 1559-1568	5.4	6
15	Pediatric CT quality management and improvement program. *Pediatric Radiology*, **2014**, 44 Suppl 3, 519-24	2.8	6
14	Appendiceal ultrasound: the importance of conveying probability of disease. *Pediatric Radiology*, **2015**, 45, 1930-1	2.8	5

13	Added Value of Radiologist Consultation for Pediatric Ultrasound: Implementation and Survey Assessment. *American Journal of Roentgenology*, **2015**, 205, 822-6	5.4	5
12	CT Volumes from 2,398 Radiology Practices in the United States: A Real-Time Indicator of the Effect of COVID-19 on Routine Care, January to September 2020. *Journal of the American College of Radiology*, **2021**, 18, 380-387	3.5	5
11	Improving and Maintaining Radiologic Technologist Skill Using a Medical Director Partnership and Technologist Coaching Model. *American Journal of Roentgenology*, **2018**, 211, 986-992	5.4	3
10	The Use of Patient and Family Advisory Councils to Improve Patient Experience in Radiology. *American Journal of Roentgenology*, **2016**, 207, 965-970	5.4	3
9	Tackling the problem of error in diagnostic radiology. *Pediatric Radiology*, **2015**, 45, 790-2	2.8	2
8	Optimizing Professional Practice Evaluation to Enable a Nonpunitive Learning Health System Approach to Peer Review. *Pediatric Quality & Safety*, **2021**, 6, e375	1	2
7	Quality and safety in pediatric radiology. *Pediatric Radiology*, **2019**, 49, 431-432	2.8	1
6	Increasing the Utilization of Moderate Sedation Services for Pediatric Imaging. *Radiographics*, **2021**, 41, 2127-2135	5.4	1
5	Recognizing and Avoiding the Most Common Mistakes in Quality Improvement. *Journal of the American College of Radiology*, **2021**, 18, 511-513	3.5	1
4	Needs of Referring Providers by Practice Type: Results of a Survey at an Academic Medical Center. *American Journal of Roentgenology*, **2021**, 216, 216-224	5.4	1
3	Critical Results in Radiology: Defined by Clinical Judgment or by a List?. *Journal of the American College of Radiology*, **2021**, 18, 294-297	3.5	1
2	Program for Supporting Frontline Improvement Projects in an Academic Radiology Department. *American Journal of Roentgenology*, **2021**, 217, 235-244	5.4	0
1	Re: "Reducing Variability of Radiation Dose in CT". *Journal of the American College of Radiology*, **2018**, 15, 1669-1670	3.5	