

# Kelly H Zou

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,531  
citations

361045

20  
h-index

264894

42  
g-index

47  
all docs

47  
docs citations

47  
times ranked

5703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical validation of image segmentation quality based on a spatial overlap index <sup>1</sup> . Academic Radiology, 2004, 11, 178-189.	1.3	1,363
2	Correlation and Simple Linear Regression. Radiology, 2003, 227, 617-628.	3.6	752
3	Evaluation of three-dimensional finite element-based deformable registration of pre- and intraoperative prostate imaging. Medical Physics, 2001, 28, 2551-2560.	1.6	201
4	Real world data: an opportunity to supplement existing evidence for the use of long-established medicines in health care decision making. Journal of Multidisciplinary Healthcare, 2018, Volume 11, 295-304.	1.1	158
5	Multi-component apparent diffusion coefficients in human brain: Relationship to spin-lattice relaxation. Magnetic Resonance in Medicine, 2000, 44, 292-300.	1.9	96
6	Three validation metrics for automated probabilistic image segmentation of brain tumours. Statistics in Medicine, 2004, 23, 1259-1282.	0.8	96
7	Reproducibility of Functional MR Imaging: Preliminary Results of Prospective Multi-institutional Study Performed by Biomedical Informatics Research Network. Radiology, 2005, 237, 781-789.	3.6	92
8	Two transformation models for estimating an ROC curve derived from continuous data. Journal of Applied Statistics, 2000, 27, 621-631.	0.6	88
9	Noncontrast MR imaging and MR arthrography of the ulnar collateral ligament of the elbow: prospective evaluation of two-dimensional pulse sequences for detection of complete tears. Skeletal Radiology, 2001, 30, 625-632.	1.2	58
10	Relationship between age and erectile dysfunction diagnosis or treatment using real-world observational data in the USA. International Journal of Clinical Practice, 2016, 70, 1012-1018.	0.8	56
11	Applications of ROC Analysis in Medical Research. Academic Radiology, 2012, 19, 1457-1464.	1.3	51
12	Original smooth receiver operating characteristic curve estimation from continuous data: Statistical methods for analyzing the predictive value of spiral CT of ureteral stones. Academic Radiology, 1998, 5, 680-687.	1.3	49
13	Hypothesis Testing I: Proportions. Radiology, 2003, 226, 609-613.	3.6	44
14	Optimal Thresholds by Maximizing or Minimizing Various Metrics via ROC-Type Analysis. Academic Radiology, 2013, 20, 807-815.	1.3	41
15	Bayesian Regression Methodology for Estimating a Receiver Operating Characteristic Curve with Two Radiologic Applications. Academic Radiology, 2001, 8, 713-725.	1.3	36
16	Real-world characterization and differentiation of the Global Initiative for Chronic Obstructive Lung Disease strategy classification. International Journal of COPD, 2014, 9, 551.	0.9	35
17	Statistical validation based on parametric receiver operating characteristic analysis of continuous classification data <sup>1</sup> . Academic Radiology, 2003, 10, 1359-1368.	1.3	29
18	Bayesian multivariate hierarchical transformation models for ROC analysis. Statistics in Medicine, 2006, 25, 459-479.	0.8	29

#	ARTICLE	IF	CITATIONS
19	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient. , 1999, 18, 2051-2061.		28
20	Ovarian Cancer: Comparison of Observer Performance for Four Methods of Interpreting CT Scans. Radiology, 1999, 212, 401-410.	3.6	24
21	On determination of sample size in hierarchical binomial models. Statistics in Medicine, 2001, 20, 2163-2182.	0.8	23
22	What is evidence-based medicine?1. Academic Radiology, 2004, 11, 127-133.	1.3	17
23	New Strategies to Improve Patient Adherence to Medications for Noncommunicable Diseases During and After the COVID-19 Era Identified via a Literature Review. Journal of Multidisciplinary Healthcare, 2021, Volume 14, 2453-2465.	1.1	16
24	Statistical Combination Schemes of Repeated Diagnostic Test Data. Academic Radiology, 2006, 13, 566-572.	1.3	15
25	<p>Harnessing Real-World Data for Regulatory Use and Applying Innovative Applications</p>. Journal of Multidisciplinary Healthcare, 2020, Volume 13, 671-679.	1.1	14
26	VOIDING CYSTOURETHROGRAPHY FINDINGS IN ELDERLY WOMEN WITH URGE INCONTINENCE. Journal of Urology, 2000, 163, 1216-1218.	0.2	13
27	A global goodness-of-fit test for receiver operating characteristic curve analysis via the bootstrap method. Journal of Biomedical Informatics, 2005, 38, 395-403.	2.5	13
28	Betaâ€m mapping and betaâ€ regression for changes of ordinalâ€ rating measurements on Likert scales: A comparison of the change scores among multiple treatment groups. Statistics in Medicine, 2010, 29, 2486-2500.	0.8	13
29	Three-dimensional assessment of MR imaging-guided percutaneous cryotherapy using multi-performer repeated segmentations. Academic Radiology, 2005, 12, 444-450.	1.3	9
30	COPD exacerbations associated with the modified Medical Research Council scale and COPD assessment test among Humana Medicare members. International Journal of COPD, 2016, 11, 111.	0.9	9
31	Prevalence, Comorbidities, and Risk Factors of Erectile Dysfunction: Results from a Prospective Real-World Study in the United Kingdom. International Journal of Clinical Practice, 2022, 2022, 1-10.	0.8	8
32	Considerations for Conducting Bring Your Own â€Deviceâ€ (BYOD) Clinical Studies. Digital Biomarkers, 2022, 6, 47-60.	2.2	8
33	A Bayesian Hierarchical Non-Linear Regression Model in Receiver Operating Characteristic Analysis of Clustered Continuous Diagnostic Data. Biometrical Journal, 2005, 47, 417-427.	0.6	7
34	Harnessing real-world evidence to reduce the burden of noncommunicable disease: health information technology and innovation to generate insights. Health Services and Outcomes Research Methodology, 2021, 21, 8-20.	0.8	7
35	A comparison of nonparametric and parametric methods to adjust for baseline measures. Contemporary Clinical Trials, 2014, 37, 225-233.	0.8	6
36	Increasing access to erectile dysfunction treatment via pharmacies to improve healthcare provider visits and quality of life: Results from a prospective realâ€world observational study in the United Kingdom. International Journal of Clinical Practice, 2021, 75, e13849.	0.8	6

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37	Comparison of Accuracy and Interreader Agreement in Side-by-Side versus Independent Evaluations of MR Imaging of the Medial Collateral Ligament of the Elbow. <i>Academic Radiology</i> , 2002, 9, 520-525.	1.3	5
38	Efficient Bayesian Sample Size Calculation for Designing a Clinical Trial with Multi-Cluster Outcome Data. <i>Biometrical Journal</i> , 2003, 45, 826-836.	0.6	4
39	Professor Charles E. Metz Leaves Profound Legacy in ROC Methodology. <i>Academic Radiology</i> , 2012, 19, 1447-1448.	1.3	3
40	Impact of sertraline daily treatment regimen on adherence, persistence and healthcare resource utilisation in patients with major depressive disorder or obsessive-compulsive disorder: A real-world evidence analysis from the United States. <i>International Journal of Clinical Practice</i> , 2021, 75, e14522.	0.8	3
41	Comparison of adjustment methods for stratified two-sample tests in the context of ROC analysis. <i>Biometrical Journal</i> , 2012, 54, 249-263.	0.6	2
42	Statistical science at the forefront of health policy research: two ICHPS 2015 special issues. <i>Health Services and Outcomes Research Methodology</i> , 2016, 16, 173-176.	0.8	1
43	Comment on: "Safety of Marketed Cancer Supportive Care Biosimilars in the U.S.: A Disproportionality Analysis Using the Food and Drug Administration Adverse Event Reporting System (FAERS) Database". <i>BioDrugs</i> , 2021, 35, 373-374.	2.2	1
44	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient. , 1999, 18, 2051.		1
45	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient. , 1999, 18, 2051.		1
46	How to plan and schedule conferences with the help of artificial intelligence. <i>Significance</i> , 2017, 14, 38-41.	0.3	0
47	Image Perception and Diagnostic Accuracy of Digital Mammography: An Editorial. <i>Academic Radiology</i> , 2019, 26, 724-725.	1.3	0