

Kelly H Zou

List of Publications by Citations

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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.

45
papers

2,626
citations

21
h-index

47
g-index

47
ext. papers

3,105
ext. citations

4.8
avg, IF

4.66
L-index

#	Paper	IF	Citations
45	Statistical validation of image segmentation quality based on a spatial overlap index. <i>Academic Radiology</i> , 2004 , 11, 178-89	4.3	965
44	Correlation and simple linear regression. <i>Radiology</i> , 2003 , 227, 617-22	20.5	553
43	Evaluation of three-dimensional finite element-based deformable registration of pre- and intraoperative prostate imaging. <i>Medical Physics</i> , 2001 , 28, 2551-60	4.4	183
42	Real world data: an opportunity to supplement existing evidence for the use of long-established medicines in health care decision making. <i>Journal of Multidisciplinary Healthcare</i> , 2018 , 11, 295-304	2.8	97
41	Multi-component apparent diffusion coefficients in human brain: relationship to spin-lattice relaxation. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 292-300	4.4	88
40	Reproducibility of functional MR imaging: preliminary results of prospective multi-institutional study performed by Biomedical Informatics Research Network. <i>Radiology</i> , 2005 , 237, 781-9	20.5	86
39	Three validation metrics for automated probabilistic image segmentation of brain tumours. <i>Statistics in Medicine</i> , 2004 , 23, 1259-82	2.3	78
38	Two transformation models for estimating an ROC curve derived from continuous data. <i>Journal of Applied Statistics</i> , 2000 , 27, 621-631	1	73
37	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. <i>Skeletal Radiology</i> , 2001 , 30, 625-32	2.7	49
36	Applications of ROC analysis in medical research: recent developments and future directions. <i>Academic Radiology</i> , 2012 , 19, 1457-64	4.3	42
35	Original smooth receiver operating characteristic curve estimation from continuous data: statistical methods for analyzing the predictive value of spiral CT of ureteral stones. <i>Academic Radiology</i> , 1998 , 5, 680-7	4.3	39
34	Relationship between age and erectile dysfunction diagnosis or treatment using real-world observational data in the USA. <i>International Journal of Clinical Practice</i> , 2016 , 70, 1012-1018	2.9	37
33	Hypothesis testing I: proportions. <i>Radiology</i> , 2003 , 226, 609-13	20.5	32
32	Real-world characterization and differentiation of the Global Initiative for Chronic Obstructive Lung Disease strategy classification. <i>International Journal of COPD</i> , 2014 , 9, 551-61	3	28
31	Optimal thresholds by maximizing or minimizing various metrics via ROC-type analysis. <i>Academic Radiology</i> , 2013 , 20, 807-15	4.3	28
30	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient. <i>Statistics in Medicine</i> , 1999 , 18, 2051-61	2.3	26
29	Bayesian regression methodology for estimating a receiver operating characteristic curve with two radiologic applications: prostate biopsy and spiral CT of ureteral stones. <i>Academic Radiology</i> , 2001 , 8, 713-25	4.3	25

28	Statistical validation based on parametric receiver operating characteristic analysis of continuous classification data. <i>Academic Radiology</i> , 2003 , 10, 1359-68	4.3	24
27	Bayesian multivariate hierarchical transformation models for ROC analysis. <i>Statistics in Medicine</i> , 2006 , 25, 459-79	2.3	22
26	On determination of sample size in hierarchical binomial models. <i>Statistics in Medicine</i> , 2001 , 20, 2163-82.3	2.3	22
25	Ovarian cancer: comparison of observer performance for four methods of interpreting CT scans. <i>Radiology</i> , 1999 , 212, 401-10	20.5	21
24	What is evidence-based medicine?. <i>Academic Radiology</i> , 2004 , 11, 127-33	4.3	14
23	Statistical combination schemes of repeated diagnostic test data. <i>Academic Radiology</i> , 2006 , 13, 566-72	4.3	11
22	Beta-mapping and beta-regression for changes of ordinal-rating measurements on Likert scales: a comparison of the change scores among multiple treatment groups. <i>Statistics in Medicine</i> , 2010 , 29, 2486-300	2.3	9
21	VOIDING CYSTOURETHROGRAPHY FINDINGS IN ELDERLY WOMEN WITH URGE INCONTINENCE. <i>Journal of Urology</i> , 2000 , 163, 1216-1218	2.5	9
20	A global goodness-of-fit test for receiver operating characteristic curve analysis via the bootstrap method. <i>Journal of Biomedical Informatics</i> , 2005 , 38, 395-403	10.2	8
19	Three-dimensional assessment of MR imaging-guided percutaneous cryotherapy using multi-performer repeated segmentations: the value of supervised learning. <i>Academic Radiology</i> , 2005 , 12, 444-50	4.3	7
18	Harnessing Real-World Data for Regulatory Use and Applying Innovative Applications. <i>Journal of Multidisciplinary Healthcare</i> , 2020 , 13, 671-679	2.8	7
17	COPD exacerbations associated with the modified Medical Research Council scale and COPD assessment test among Humana Medicare members. <i>International Journal of COPD</i> , 2016 , 11, 111-21	3	7
16	A comparison of nonparametric and parametric methods to adjust for baseline measures. <i>Contemporary Clinical Trials</i> , 2014 , 37, 225-33	2.3	6
15	A Bayesian hierarchical non-linear regression model in receiver operating characteristic analysis of clustered continuous diagnostic data. <i>Biometrical Journal</i> , 2005 , 47, 417-27	1.5	6
14	Efficient Bayesian Sample Size Calculation for Designing a Clinical Trial with Multi-Cluster Outcome Data. <i>Biometrical Journal</i> , 2003 , 45, 826-836	1.5	4
13	Increasing access to erectile dysfunction treatment via pharmacies to improve healthcare provider visits and quality of life: Results from a prospective real-world observational study in the United Kingdom. <i>International Journal of Clinical Practice</i> , 2021 , 75, e13849	2.9	4
12	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, 520-5	4.3	3
11	Professor Charles E. Metz leaves profound legacy in ROC methodology: an introduction to the two Metz Memorial Issues. <i>Academic Radiology</i> , 2012 , 19, 1447-8	4.3	2

10	Comparison of adjustment methods for stratified two-sample tests in the context of ROC analysis. <i>Biometrical Journal</i> , 2012 , 54, 249-63	1.5	2
9	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, 1-1533	2.9	2
8	Harnessing real-world evidence to reduce the burden of noncommunicable disease: health information technology and innovation to generate insights. <i>Health Services and Outcomes Research Methodology</i> , 2020 , 21, 1-13	1.6	2
7	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	1.6	1
6	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	7.9	1
5	New Strategies to Improve Patient Adherence to Medications for Noncommunicable Diseases During and After the COVID-19 Era Identified via a Literature Review. <i>Journal of Multidisciplinary Healthcare</i> , 2021 , 14, 2453-2465	2.8	1
4	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient 1999 , 18, 2051		1
3	Higher-moment approaches to approximate interval estimation for a certain intraclass correlation coefficient 1999 , 18, 2051		1
2	Prevalence, Comorbidities, and Risk Factors of Erectile Dysfunction: Results from a Prospective Real-World Study in the United Kingdom. <i>International Journal of Clinical Practice</i> , 2022 , 2022, 1-10	2.9	0
1	How to plan and schedule conferences with the help of artificial intelligence. <i>Significance</i> , 2017 , 14, 38-40.5		0.5