Stephen L Hillis

List of Publications by Year
in descending order

		94433	98798
106 papers	4,814 citations	37 h-index	67 g-index
107 all docs	107 docs citations	107 times ranked	5449 citing authors

#	Article	IF	Citations
1	Effects of weekend admission and hospital teaching status on in-hospital mortality. American Journal of Medicine, 2004, 117, 151-157.	1.5	313
2	Emotional Reactivity to Everyday Problems, Affective Inertia, and Neuroticism. Personality and Social Psychology Bulletin, 1998, 24, 127-136.	3.0	295
3	The Neuropathic Diabetic Foot Ulcer Microbiome Is Associated With Clinical Factors. Diabetes, 2013, 62, 923-930.	0.6	249
4	Temporal Stability in Chronic Wound Microbiota Is Associated With Poor Healing. Journal of Investigative Dermatology, 2017, 137, 237-244.	0.7	196
5	Effects of the transcendental meditation program on adaptive mechanisms: Changes in hormone levels and responses to stress after 4 months of practice. Psychoneuroendocrinology, 1997, 22, 277-295.	2.7	192
6	Recent Developments in the Dorfman-Berbaum-Metz Procedure for Multireader ROC Study Analysis. Academic Radiology, 2008, 15, 647-661.	2.5	184
7	Effectiveness of Home Telehealth in Comorbid Diabetes and Hypertension: A Randomized, Controlled Trial. Telemedicine Journal and E-Health, 2011, 17, 254-261.	2.8	143
8	Diagnostic validity of three swab techniques for identifying chronic wound infection. Wound Repair and Regeneration, 2006, 14, 548-557.	3.0	142
9	A comparison of the Dorfman–Berbaum–Metz and Obuchowski–Rockette methods for receiver operating characteristic (ROC) data. Statistics in Medicine, 2005, 24, 1579-1607.	1.6	137
10	A comparison of denominator degrees of freedom methods for multiple observer ROC analysis. Statistics in Medicine, 2007, 26, 596-619.	1.6	135
11	Hepatitis C virus-infected patients report communication problems with physicians. Hepatology, 2004, 39, 999-1007.	7.3	115
12	An empirically derived taxonomy of factors affecting physicians' willingness to disclose medical errors. Journal of General Internal Medicine, 2006, 21, 942-948.	2.6	111
13	Clinical assessment of high-strength all-ceramic crowns. Journal of Prosthetic Dentistry, 2000, 83, 396-401.	2.8	107
14	Digital Edge-Detection Measurement of Polyethylene Wear after Total Hip Arthroplasty*. Journal of Bone and Joint Surgery - Series A, 1997, 79, 690-700.	3.0	102
15	Clinical Signs of Infection in Diabetic Foot Ulcers With High Microbial Load. Biological Research for Nursing, 2009, 11, 119-128.	1.9	97
16	Fractal dimension in radiographic analysis of alveolar process bone. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1996, 82, 569-576.	1.4	91
17	Motion Versus Fixed Distraction of the Joint in the Treatment of Ankle Osteoarthritis. Journal of Bone and Joint Surgery - Series A, 2012, 94, 961-970.	3.0	86
18	The Role of the Interosseous Talocalcaneal Ligament in Subtalar Joint Stability. Foot and Ankle International, 2004, 25, 588-596.	2.3	77

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19	Distribution and Progression of Chondrocyte Damage in a Whole-Organ Model of Human Ankle Intra-Articular Fracture. Journal of Bone and Joint Surgery - Series A, 2011, 93, 533-539.	3.0	76
20	Monte Carlo Validation of the Dorfman-Berbaum-Metz Method Using Normalized Pseudovalues and Less Data-Based Model Simplification1. Academic Radiology, 2005, 12, 1534-1541.	2.5	73
21	Power estimation for the Dorfman-Berbaum-Metz method1. Academic Radiology, 2004, 11, 1260-1273.	2.5	69
22	Instability Dependency of Osteoarthritis Development in a Rabbit Model of Graded Anterior Cruciate Ligament Transection. Journal of Bone and Joint Surgery - Series A, 2011, 93, 640-647.	3.0	65
23	Weight and Depressive Symptoms in Older Adults: Direction of Influence?. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2007, 62, S43-S51.	3.9	62
24	Prevalence and Correlates of Illness Worry in the General Population. Psychosomatics, 2005, 46, 529-539.	2.5	61
25	Patient and physician attitudes in the health care context: Attitudinal symmetry predicts patient satisfaction and adherence. Annals of Behavioral Medicine, 2007, 33, 262-268.	2.9	61
26	Patient and Physician Beliefs About Control over Health: Association of Symmetrical Beliefs with Medication Regimen Adherence. Journal of General Internal Medicine, 2010, 25, 397-402.	2.6	60
27	Cultures of Diabetic Foot Ulcers Without Clinical Signs of Infection Do Not Predict Outcomes. Diabetes Care, 2014, 37, 2693-2701.	8.6	59
28	Norms and nurse management of conflicts: Keys to understanding nurse-physician collaboration. Research in Nursing and Health, 1998, 21, 59-72.	1.6	57
29	Multireader, multicase receiver operating characteristic analysis:. Academic Radiology, 2004, 11, 980-995.	2.5	55
30	Health Perceptions in Patients Who Undergo Screening and Workup for Prostate Cancer. Urology, 2007, 69, 215-220.	1.0	52
31	An empirically derived taxonomy of factors affecting physicians' willingness to disclose medical errors. Journal of General Internal Medicine, 2006, 21, 942-8.	2.6	51
32	Mandibular bone density and fractal dimension in rabbits with induced osteoporosis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2000, 89, 244-249.	1.4	48
33	Power Estimation for Multireader ROC Methods. Academic Radiology, 2011, 18, 129-142.	2.5	47
34	Overactive Bladder and Mental Health Symptoms in Recently Deployed Female Veterans. Journal of Urology, 2014, 191, 1327-1332.	0.4	44
35	Objective CT-Based Metrics of Articular Fracture Severity to Assess Risk for Posttraumatic Osteoarthritis. Journal of Orthopaedic Trauma, 2010, 24, 764-769.	1.4	43
36	Multi-reader ROC Studies with Split-plot Designs. Academic Radiology, 2012, 19, 1508-1517.	2.5	42

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37	Primary tooth fluorosis and fluoride intake during the first year of life. Community Dentistry and Oral Epidemiology, 2002, 30, 286-295.	1.9	41
38	Longitudinal associations between mental health conditions and overactive bladder in women veterans. American Journal of Obstetrics and Gynecology, 2017, 217, 430.e1-430.e8.	1.3	41
39	Retirement and Weight Changes Among Men and Women in the Health and Retirement Study. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2008, 63, S146-S153.	3.9	40
40	The Impact of the Transcendental Meditation Program on Government Payments to Physicians in Quebec: An Update. American Journal of Health Promotion, 2000, 14, 284-291.	1.7	38
41	Automated Objective Scoring of Histologically Apparent Cartilage Degeneration Using a Custom Image Analysis Program. Journal of Orthopaedic Research, 2009, 27, 522-528.	2.3	38
42	Prediction of mandibular growth rotation: Assessment of the Skieller, BjÃ¶rk, and Linde-Hansen method. American Journal of Orthodontics and Dentofacial Orthopedics, 1998, 114, 659-667.	1.7	36
43	4.5-GRAM MONOFILAMENT SENSATION BENEATH BOTH FIRST METATARSAL HEADS INDICATES PROTECTIVE FOOT SENSATION IN DIABETIC PATIENTS. Journal of Bone and Joint Surgery - Series A, 2004, 86, 717-723.	3.0	35
44	Effect of a Behavioral Self-Regulation Intervention on Patient Adherence to Fluid-Intake Restrictions in Hemodialysis: a Randomized Controlled Trial. Annals of Behavioral Medicine, 2016, 50, 167-176.	2.9	34
45	Changes in Diet Behavior when Adults Become Parents. Journal of the Academy of Nutrition and Dietetics, 2012, 112, 832-839.	0.8	33
46	A Prospective Study of the PUSH Tool in Diabetic Foot Ulcers. Journal of Wound, Ostomy and Continence Nursing, 2011, 38, 385-393.	1.0	31
47	Prediction of long-term polyethylene wear in total hip arthroplasty, based on early wear measurements made using digital image analysis. Journal of Orthopaedic Research, 1998, 16, 557-563.	2.3	30
48	A Closer Look at the Recommended Criteria for Disclosing Genetic Results: Perspectives of Medical Genetic Specialists, Genomic Researchers, and Institutional Review Board Chairs. Journal of Genetic Counseling, 2013, 22, 544-553.	1.6	30
49	Weight Gain among Men and Women Who Have a Child Enter Their Home. Journal of the Academy of Nutrition and Dietetics, 2013, 113, 1504-1510.	0.8	30
50	The Emergency Department Action in Smoking Cessation (EDASC) Trial: Impact on Delivery of Smoking Cessation Counseling. Academic Emergency Medicine, 2012, 19, 409-420.	1.8	27
51	?States-of-mind? analysis of the articulated thoughts of exsmokers. Cognitive Therapy and Research, 1993, 17, 427-439.	1.9	26
52	The Impact of the Transcendental Meditation Program on Government Payments to Physicians in Quebec. American Journal of Health Promotion, 1996, 10, 208-216.	1.7	26
53	A marginalâ€mean ANOVA approach for analyzing multireader multicase radiological imaging data. Statistics in Medicine, 2014, 33, 330-360.	1.6	26
54	Health Beliefs toward Cardiovascular Risk Reduction in Patients Admitted to Chest Pain Observation Units. Academic Emergency Medicine, 2009, 16, 379-387.	1.8	21

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55	Implementing Smoking Cessation Guidelines for Hospitalized Veterans: Effects on Nurse Attitudes and Performance. Journal of General Internal Medicine, 2013, 28, 1420-1429.	2.6	20
56	Diagnostic Validity of Semiquantitative Swab Cultures. Wounds, 2007, 19, 31-8.	0.5	20
57	Prevalence of Delayed Clinician Response to Elevated Prostate-Specific Antigen Values. Mayo Clinic Proceedings, 2008, 83, 439-445.	3.0	19
58	Organ-level histological and biomechanical responses from localized osteoarticular injury in the rabbit knee. Journal of Orthopaedic Research, 2011, 29, 340-346.	2.3	17
59	Simulation of Unequal-Variance Binormal Multireader ROC Decision Data. Academic Radiology, 2012, 19, 1518-1528.	2.5	17
60	Generalized Roe and Metz receiver operating characteristic model: analytic link between simulated decision scores and empirical AUC variances and covariances. Journal of Medical Imaging, 2014, 1, 031006.	1.5	17
61	Impact of Functional Limitations and Medical Comorbidity on Subsequent Weight Changes and Increased Depressive Symptoms in Older Adults. Journal of Aging and Health, 2008, 20, 367-384.	1.7	16
62	Using the Mean-to-Sigma Ratio as a Measure of the Improperness of Binormal ROC Curves. Academic Radiology, 2011, 18, 143-154.	2.5	16
63	A novel impaction technique to create experimental articular fractures in large animal joints. Osteoarthritis and Cartilage, 2013, 21, 200-208.	1.3	16
64	The Emergency Department Action in Smoking Cessation (EDASC) Trial: Impact on Cessation Outcomes. Nicotine and Tobacco Research, 2013, 15, 1032-1043.	2.6	16
65	HI-TENS Reduces Moderate-to-Severe Pain Associated With Most Wound Care Procedures. Biological Research for Nursing, 2014, 16, 310-319.	1.9	15
66	Gleason score and laterality concordance between prostate biopsy and prostatectomy specimens. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2009, 35, 559-564.	1.5	15
67	A before-after implementation trial of smoking cessation guidelines in hospitalized veterans. Implementation Science, 2009, 4, 58.	6.9	13
68	Satisfaction and Emergency Department Revisits in Patients With Possible Acute Coronary Syndrome. Journal of Emergency Medicine, 2013, 45, 947-957.	0.7	13
69	An Analytic Expression for the Binormal Partial Area under the ROC Curve. Academic Radiology, 2012, 19, 1491-1498.	2.5	12
70	Implementing Best Evidence in Smoking Cessation Treatment for Hospitalized Veterans: Results from the VA-BEST Trial. Joint Commission Journal on Quality and Patient Safety, 2014, 40, 493-AP1.	0.7	12
71	Sample Size Tables for Computer-Aided Detection Studies. American Journal of Roentgenology, 2011, 197, W821-W828.	2.2	11
72	Multireader sample size program for diagnostic studies: demonstration and methodology. Journal of Medical Imaging, 2018, 5, 1.	1.5	11

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73	Multi-reader multi-case analysis of variance software for diagnostic performance comparison of imaging modalities. , 2020, 11316, .		11
74	Volume Measures Using a Digital Image Analysis System are Reliable in Diabetic Foot Ulcers. Wounds, 2012, 24, 146-51.	0.5	11
75	Residual plots for the censored data linear regression model. Statistics in Medicine, 1995, 14, 2023-2036.	1.6	10
76	Correlation of free‐response and receiver‐operating‐characteristic area‐under‐the‐curve estimates: Results from independently conducted FROC/ROC studies in mammography. Medical Physics, 2012, 39, 5917-5929.	3.0	10
77	Relationship between Roe and Metz simulation model for multireader diagnostic data and Obuchowski‐Rockette model parameters. Statistics in Medicine, 2018, 37, 2067-2093.	1.6	10
78	Extending M-estimation to include censored data via james's method. Communications in Statistics Part B: Simulation and Computation, 1991, 20, 121-128.	1.2	9
79	A Comparison of Three Buckley-James Variance Estimators. Communications in Statistics Part B: Simulation and Computation, 1993, 22, 955-973.	1.2	9
80	Measuring Edge Effects on Nest Predation in Forest Fragments: Do Finch and Quail Eggs Tell Different Stories?. American Midland Naturalist, 2003, 149, 335-343.	0.4	9
81	Do Emergency Department Patients With Possible Acute Coronary Syndrome Have Better Outcomes When Admitted to Cardiology Versus Other Services?. Annals of Emergency Medicine, 2008, 51, 561-570.e1.	0.6	9
82	<scp>ROC</scp> or <scp>FROC</scp>? It depends on the research question. Medical Physics, 2017, 44, 1603-1606.	3.0	9
83	Equivalence of binormal likelihood‐ratio and bi‐chi‐squared ROC curve models. Statistics in Medicine, 2016, 35, 2031-2057.	1.6	7
84	Deciduous canine and permanent lateral incisor differential root resorption. American Journal of Orthodontics and Dentofacial Orthopedics, 2001, 120, 339-347.	1.7	6
85	Patient internet use surrounding cancer clinical trials: Clinician perceptions and responses. Contemporary Clinical Trials, 2010, 31, 229-234.	1.8	6
86	Severe pain during wound care procedures: A cross‐sectional study protocol. Journal of Advanced Nursing, 2018, 74, 1964-1974.	3.3	5
87	Development and preclinical evaluation of a patient‐specific high energy x‐ray phase sensitive breast tomosynthesis system. Medical Physics, 2021, 48, 2511-2520.	3.0	5
88	A Simple Justification of the Iterative Fitting Procedure for Generalized Linear Models. American Statistician, 1994, 48, 288-289.	1.6	4
89	Implementing smoking cessation guidelines for hospitalized Veterans: Cessation results from the VA-BEST trial. Journal of Substance Abuse Treatment, 2017, 77, 79-88.	2.8	4
90	A phase sensitive x-ray breast tomosynthesis system: Preliminary patient images with cancer lesions. Physics in Medicine and Biology, 2021, 66, 21LT01.	3.0	4

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91	A Simple Justification of the Iterative Fitting Procedure for Generalized Linear Models. American Statistician, 1994, 48, 288.	1.6	3
92	Relationship between Obuchowskiâ€"Rocketteâ€"Hillis and Gallas methods for analyzing multi-reader diagnostic imaging data with empirical AUC as the reader performance measure. Biostatistics and Epidemiology, 2023, 7, .	0.4	3
93	A heuristic generalization of smith's buckley james variance estimator. Communications in Statistics Part B: Simulation and Computation, 1994, 23, 813-831.	1.2	2
94	Demonstration ofmulti- and single-reader sample size program for diagnostic studiessoftware. , 2015, 9416, .		2
95	Varying performance in mammographic interpretation across two countries: Do results indicate reader or population variances?. Proceedings of SPIE, 2016, , .	0.8	2
96	Interpretation time for screening mammography as a function of the number of computer-aided detection marks. Journal of Medical Imaging, 2020, 7, 1.	1.5	2
97	An Iterative Weighted Least Squares Algorithm and Simulation Study for Censored Data M-Estimates. Communications in Statistics Part B: Simulation and Computation, 1996, 25, 247-262.	1.2	1
98	Determining Roe and Metz model parameters for simulating multireader multicase confidence-of-disease rating data based on read-data or conjectured Obuchowski-Rockette parameter estimates. , 2020, 11316, .		1
99	MATLAB toolbox for ROC analysis of multi-reader multi-case diagnostic imaging studies. , 2022, , .		1
100	Identical-test Roe and Metz simulation model for validating multi-reader methods of analysis for comparing different radiologic imaging modalities. , 2022, , .		1
101	Determining Roe and Metz model parameters for simulating multireader multicase confidence-of-disease rating data based on real-data or conjectured Obuchowskiâ€"Rockette parameter estimates. Journal of Medical Imaging, 2022, 9, .	1.5	1
102	The equivalence of two buckley-james variance estimators. Communications in Statistics - Theory and Methods, 1993, 22, 479-484.	1.0	0
103	Multireader ROC Analysis. , 2018, , 245-262.		0
104	Estimating latent reader-performance variability using the Obuchowski-Rockette method. , 2019, 10952, .		0
105	Comparing senior residents performance to radiologists in lung cancer detection. , 2019, , .		0
106	Telereporting in Breast Imaging Involving More Than 1 Country Requires Careful Consideration. Radiologic Technology, 2021, 92, 345-353.	0.1	0