

# Stephen L Hillis

## List of Publications by Year in descending order

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106  
papers

4,814  
citations

94433

37  
h-index

98798

67  
g-index

107  
all docs

107  
docs citations

107  
times ranked

5449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between Obuchowskiâ€™Rocketteâ€™Hillis and Gallas methods for analyzing multi-reader diagnostic imaging data with empirical AUC as the reader performance measure. <i>Biostatistics and Epidemiology</i> , 2023, 7, .	0.4	3
2	MATLAB toolbox for ROC analysis of multi-reader multi-case diagnostic imaging studies. , 2022, , .		1
3	Identical-test Roe and Metz simulation model for validating multi-reader methods of analysis for comparing different radiologic imaging modalities. , 2022, , .		1
4	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. <i>Journal of Medical Imaging</i> , 2022, 9, .	1.5	1
5	Development and preclinical evaluation of a patientâ€™specific high energy x-ray phase sensitive breast tomosynthesis system. <i>Medical Physics</i> , 2021, 48, 2511-2520.	3.0	5
6	A phase sensitive x-ray breast tomosynthesis system: Preliminary patient images with cancer lesions. <i>Physics in Medicine and Biology</i> , 2021, 66, 21LT01.	3.0	4
7	Telereporting in Breast Imaging Involving More Than 1 Country Requires Careful Consideration. <i>Radiologic Technology</i> , 2021, 92, 345-353.	0.1	0
8	Multi-reader multi-case analysis of variance software for diagnostic performance comparison of imaging modalities. , 2020, 11316, .		11
9	Interpretation time for screening mammography as a function of the number of computer-aided detection marks. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	1.5	2
10	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
11	Estimating latent reader-performance variability using the Obuchowski-Rockette method. , 2019, 10952, .		0
12	Comparing senior residents performance to radiologists in lung cancer detection. , 2019, , .		0
13	Relationship between Roe and Metz simulation model for multireader diagnostic data and Obuchowskiâ€™Rockette model parameters. <i>Statistics in Medicine</i> , 2018, 37, 2067-2093.	1.6	10
14	Multireader ROC Analysis. , 2018, , 245-262.		0
15	Severe pain during wound care procedures: A crossâ€™sectional study protocol. <i>Journal of Advanced Nursing</i> , 2018, 74, 1964-1974.	3.3	5
16	Multireader sample size program for diagnostic studies: demonstration and methodology. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	11
17	<scp>ROC</scp> or <scp>FROC</scp>? It depends on the research question. <i>Medical Physics</i> , 2017, 44, 1603-1606.	3.0	9
18	Implementing smoking cessation guidelines for hospitalized Veterans: Cessation results from the VA-BEST trial. <i>Journal of Substance Abuse Treatment</i> , 2017, 77, 79-88.	2.8	4

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19	Longitudinal associations between mental health conditions and overactive bladder in women veterans. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 430.e1-430.e8.	1.3	41
20	Temporal Stability in Chronic Wound Microbiota Is Associated With Poor Healing. <i>Journal of Investigative Dermatology</i> , 2017, 137, 237-244.	0.7	196
21	Equivalence of binormal likelihood ratio and bias-corrected squared ROC curve models. <i>Statistics in Medicine</i> , 2016, 35, 2031-2057.	1.6	7
22	Effect of a Behavioral Self-Regulation Intervention on Patient Adherence to Fluid-Intake Restrictions in Hemodialysis: a Randomized Controlled Trial. <i>Annals of Behavioral Medicine</i> , 2016, 50, 167-176.	2.9	34
23	Varying performance in mammographic interpretation across two countries: Do results indicate reader or population variances?. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
24	Demonstration of multi- and single-reader sample size program for diagnostic studies software. , 2015, 9416, .		2
25	Generalized Roe and Metz receiver operating characteristic model: analytic link between simulated decision scores and empirical AUC variances and covariances. <i>Journal of Medical Imaging</i> , 2014, 1, 031006.	1.5	17
26	A marginal mean ANOVA approach for analyzing multireader multicase radiological imaging data. <i>Statistics in Medicine</i> , 2014, 33, 330-360.	1.6	26
27	Cultures of Diabetic Foot Ulcers Without Clinical Signs of Infection Do Not Predict Outcomes. <i>Diabetes Care</i> , 2014, 37, 2693-2701.	8.6	59
28	HI-TENS Reduces Moderate-to-Severe Pain Associated With Most Wound Care Procedures. <i>Biological Research for Nursing</i> , 2014, 16, 310-319.	1.9	15
29	Overactive Bladder and Mental Health Symptoms in Recently Deployed Female Veterans. <i>Journal of Urology</i> , 2014, 191, 1327-1332.	0.4	44
30	Implementing Best Evidence in Smoking Cessation Treatment for Hospitalized Veterans: Results from the VA-BEST Trial. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2014, 40, 493-AP1.	0.7	12
31	A Closer Look at the Recommended Criteria for Disclosing Genetic Results: Perspectives of Medical Genetic Specialists, Genomic Researchers, and Institutional Review Board Chairs. <i>Journal of Genetic Counseling</i> , 2013, 22, 544-553.	1.6	30
32	Implementing Smoking Cessation Guidelines for Hospitalized Veterans: Effects on Nurse Attitudes and Performance. <i>Journal of General Internal Medicine</i> , 2013, 28, 1420-1429.	2.6	20
33	The Neuropathic Diabetic Foot Ulcer Microbiome Is Associated With Clinical Factors. <i>Diabetes</i> , 2013, 62, 923-930.	0.6	249
34	A novel impaction technique to create experimental articular fractures in large animal joints. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 200-208.	1.3	16
35	Weight Gain among Men and Women Who Have a Child Enter Their Home. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2013, 113, 1504-1510.	0.8	30
36	Satisfaction and Emergency Department Revisits in Patients With Possible Acute Coronary Syndrome. <i>Journal of Emergency Medicine</i> , 2013, 45, 947-957.	0.7	13

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37	The Emergency Department Action in Smoking Cessation (EDASC) Trial: Impact on Cessation Outcomes. Nicotine and Tobacco Research, 2013, 15, 1032-1043.	2.6	16
38	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
39	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
40	An Analytic Expression for the Binormal Partial Area under the ROC Curve. Academic Radiology, 2012, 19, 1491-1498.	2.5	12
41	Simulation of Unequal-Variance Binormal Multireader ROC Decision Data. Academic Radiology, 2012, 19, 1518-1528.	2.5	17
42	Multi-reader ROC Studies with Split-plot Designs. Academic Radiology, 2012, 19, 1508-1517.	2.5	42
43	Changes in Diet Behavior when Adults Become Parents. Journal of the Academy of Nutrition and Dietetics, 2012, 112, 832-839.	0.8	33
44	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
45	Volume Measures Using a Digital Image Analysis System are Reliable in Diabetic Foot Ulcers. Wounds, 2012, 24, 146-51.	0.5	11
46	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
47	Power Estimation for Multireader ROC Methods. Academic Radiology, 2011, 18, 129-142.	2.5	47
48	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
49	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
50	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
51	Sample Size Tables for Computer-Aided Detection Studies. American Journal of Roentgenology, 2011, 197, W821-W828.	2.2	11
52	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
53	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
54	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

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55	Patient and Physician Beliefs About Control over Health: Association of Symmetrical Beliefs with Medication Regimen Adherence. <i>Journal of General Internal Medicine</i> , 2010, 25, 397-402.	2.6	60
56	Patient internet use surrounding cancer clinical trials: Clinician perceptions and responses. <i>Contemporary Clinical Trials</i> , 2010, 31, 229-234.	1.8	6
57	Clinical Signs of Infection in Diabetic Foot Ulcers With High Microbial Load. <i>Biological Research for Nursing</i> , 2009, 11, 119-128.	1.9	97
58	Automated Objective Scoring of Histologically Apparent Cartilage Degeneration Using a Custom Image Analysis Program. <i>Journal of Orthopaedic Research</i> , 2009, 27, 522-528.	2.3	38
59	A before-after implementation trial of smoking cessation guidelines in hospitalized veterans. <i>Implementation Science</i> , 2009, 4, 58.	6.9	13
60	Health Beliefs toward Cardiovascular Risk Reduction in Patients Admitted to Chest Pain Observation Units. <i>Academic Emergency Medicine</i> , 2009, 16, 379-387.	1.8	21
61	Gleason score and laterality concordance between prostate biopsy and prostatectomy specimens. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2009, 35, 559-564.	1.5	15
62	Do Emergency Department Patients With Possible Acute Coronary Syndrome Have Better Outcomes When Admitted to Cardiology Versus Other Services?. <i>Annals of Emergency Medicine</i> , 2008, 51, 561-570.e1.	0.6	9
63	Prevalence of Delayed Clinician Response to Elevated Prostate-Specific Antigen Values. <i>Mayo Clinic Proceedings</i> , 2008, 83, 439-445.	3.0	19
64	Recent Developments in the Dorfman-Berbaum-Metz Procedure for Multireader ROC Study Analysis. <i>Academic Radiology</i> , 2008, 15, 647-661.	2.5	184
65	Impact of Functional Limitations and Medical Comorbidity on Subsequent Weight Changes and Increased Depressive Symptoms in Older Adults. <i>Journal of Aging and Health</i> , 2008, 20, 367-384.	1.7	16
66	Retirement and Weight Changes Among Men and Women in the Health and Retirement Study. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2008, 63, S146-S153.	3.9	40
67	Weight and Depressive Symptoms in Older Adults: Direction of Influence?. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2007, 62, S43-S51.	3.9	62
68	Health Perceptions in Patients Who Undergo Screening and Workup for Prostate Cancer. <i>Urology</i> , 2007, 69, 215-220.	1.0	52
69	A comparison of denominator degrees of freedom methods for multiple observer ROC analysis. <i>Statistics in Medicine</i> , 2007, 26, 596-619.	1.6	135
70	Patient and physician attitudes in the health care context: Attitudinal symmetry predicts patient satisfaction and adherence. <i>Annals of Behavioral Medicine</i> , 2007, 33, 262-268.	2.9	61
71	Diagnostic Validity of Semiquantitative Swab Cultures. <i>Wounds</i> , 2007, 19, 31-8.	0.5	20
72	Diagnostic validity of three swab techniques for identifying chronic wound infection. <i>Wound Repair and Regeneration</i> , 2006, 14, 548-557.	3.0	142

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73	An empirically derived taxonomy of factors affecting physicians'™ willingness to disclose medical errors. <i>Journal of General Internal Medicine</i> , 2006, 21, 942-948.	2.6	111
74	An empirically derived taxonomy of factors affecting physicians' willingness to disclose medical errors. <i>Journal of General Internal Medicine</i> , 2006, 21, 942-8.	2.6	51
75	A comparison of the Dorfman'Berbaum'™ Metz and Obuchowski'™ Rockette methods for receiver operating characteristic (ROC) data. <i>Statistics in Medicine</i> , 2005, 24, 1579-1607.	1.6	137
76	Prevalence and Correlates of Illness Worry in the General Population. <i>Psychosomatics</i> , 2005, 46, 529-539.	2.5	61
77	Monte Carlo Validation of the Dorfman-Berbaum-Metz Method Using Normalized Pseudovalues and Less Data-Based Model Simplification1. <i>Academic Radiology</i> , 2005, 12, 1534-1541.	2.5	73
78	The Role of the Interosseous Talocalcaneal Ligament in Subtalar Joint Stability. <i>Foot and Ankle International</i> , 2004, 25, 588-596.	2.3	77
79	Hepatitis C virus-infected patients report communication problems with physicians. <i>Hepatology</i> , 2004, 39, 999-1007.	7.3	115
80	Multireader, multicase receiver operating characteristic analysis:. <i>Academic Radiology</i> , 2004, 11, 980-995.	2.5	55
81	Power estimation for the Dorfman-Berbaum-Metz method1. <i>Academic Radiology</i> , 2004, 11, 1260-1273.	2.5	69
82	Effects of weekend admission and hospital teaching status on in-hospital mortality. <i>American Journal of Medicine</i> , 2004, 117, 151-157.	1.5	313
83	4.5-GRAM MONOFILAMENT SENSATION BENEATH BOTH FIRST METATARSAL HEADS INDICATES PROTECTIVE FOOT SENSATION IN DIABETIC PATIENTS. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 717-723.	3.0	35
84	Measuring Edge Effects on Nest Predation in Forest Fragments: Do Finch and Quail Eggs Tell Different Stories?. <i>American Midland Naturalist</i> , 2003, 149, 335-343.	0.4	9
85	Primary tooth fluorosis and fluoride intake during the first year of life. <i>Community Dentistry and Oral Epidemiology</i> , 2002, 30, 286-295.	1.9	41
86	Deciduous canine and permanent lateral incisor differential root resorption. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2001, 120, 339-347.	1.7	6
87	Clinical assessment of high-strength all-ceramic crowns. <i>Journal of Prosthetic Dentistry</i> , 2000, 83, 396-401.	2.8	107
88	The Impact of the Transcendental Meditation Program on Government Payments to Physicians in Quebec: An Update. <i>American Journal of Health Promotion</i> , 2000, 14, 284-291.	1.7	38
89	Mandibular bone density and fractal dimension in rabbits with induced osteoporosis. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2000, 89, 244-249.	1.4	48
90	Norms and nurse management of conflicts: Keys to understanding nurse-physician collaboration. <i>Research in Nursing and Health</i> , 1998, 21, 59-72.	1.6	57

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91	Prediction of mandibular growth rotation: Assessment of the Skieller, Björk, and Linde-Hansen method. American Journal of Orthodontics and Dentofacial Orthopedics, 1998, 114, 659-667.	1.7	36
92	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
93	Emotional Reactivity to Everyday Problems, Affective Inertia, and Neuroticism. Personality and Social Psychology Bulletin, 1998, 24, 127-136.	3.0	295
94	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
95	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
96	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
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	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
99	Residual plots for the censored data linear regression model. Statistics in Medicine, 1995, 14, 2023-2036.	1.6	10
100	A Simple Justification of the Iterative Fitting Procedure for Generalized Linear Models. American Statistician, 1994, 48, 288-289.	1.6	4
101	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
102	A Simple Justification of the Iterative Fitting Procedure for Generalized Linear Models. American Statistician, 1994, 48, 288.	1.6	3
103	?States-of-mind? analysis of the articulated thoughts of exsmokers. Cognitive Therapy and Research, 1993, 17, 427-439.	1.9	26
104	A Comparison of Three Buckley-James Variance Estimators. Communications in Statistics Part B: Simulation and Computation, 1993, 22, 955-973.	1.2	9
105	The equivalence of two buckley-james variance estimators. Communications in Statistics - Theory and Methods, 1993, 22, 479-484.	1.0	0
106	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