Tim Swartz

List of Publications by Year
in descending order

62 papers	**699** citations	567247 **15** h-index	642715 **23** g-index
62 all docs	**62** docs citations	**62** times ranked	**631** citing authors

#	Article	IF	Citations
1	The fundamental association between mental health and life satisfaction: results from successive waves of a Canadian national survey. BMC Public Health, 2018, 18, 342.	2.9	146
2	Statistical analyses for round robin interaction data. Canadian Journal of Statistics, 2001, 29, 321-331.	0.9	43
3	Locally Sparse Estimator for Functional Linear Regression Models. Journal of Computational and Graphical Statistics, 2017, 26, 306-318.	1.7	41
4	Bayesian identifiability and misclassification in multinomial data. Canadian Journal of Statistics, 2004, 32, 285-302.	0.9	33
5	Modelling and simulation for one‑day cricket. Canadian Journal of Statistics, 2009, 37, 143-160.	0.9	29
6	Strategies for Pulling the Goalie in Hockey. American Statistician, 2010, 64, 197-204.	1.6	27
7	Normal and pathological dynamics of platelets in humans. Journal of Mathematical Biology, 2017, 75, 1411-1462.	1.9	27
8	A Simulator for Twenty20 Cricket. Australian and New Zealand Journal of Statistics, 2015, 57, 55-71.	0.9	26
9	Interpretable Functional Principal Component Analysis. Biometrics, 2016, 72, 846-854.	1.4	26
10	Optimal lineups in Twenty20 cricket. Journal of Statistical Computation and Simulation, 2016, 86, 2888-2900.	1.2	19
11	Supervised functional principal component analysis. Statistics and Computing, 2018, 28, 713-723.	1.5	19
12	Functional principal component analysis of glomerular filtration rate curves after kidney transplant. Statistical Methods in Medical Research, 2018, 27, 3785-3796.	1.5	19
13	An Annealed Sequential Monte Carlo Method for Bayesian Phylogenetics. Systematic Biology, 2020, 69, 155-183.	5.6	19
14	Optimally and computations for relative surprise inferences. Canadian Journal of Statistics, 2006, 34, 113-129.	0.9	17
15	Parametric Functional Principal Component Analysis. Biometrics, 2017, 73, 802-810.	1.4	17
16	New Insights Involving the Home Team Advantage. International Journal of Sports Science and Coaching, 2014, 9, 681-692.	1.4	15
17	Estimating Time-Varying Directed Gene Regulation Networks. Biometrics, 2017, 73, 1231-1242.	1.4	12
18	Bayesian analysis of mark‑recapture data with travel time‑dependent survival probabilities. Canadian Journal of Statistics, 2008, 36, 5-21.	0.9	11

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19	Assessing the impact of fielding in Twenty20 cricket. Journal of the Operational Research Society, 2018, 69, 1335-1343.	3.4	11
20	A Stylometric Analysis of King Alfred's Literary Works. Journal of Applied Statistics, 2007, 34, 1251-1258.	1.3	10
21	Functional principal component analysis for longitudinal data with informative dropout. Statistics in Medicine, 2021, 40, 712-724.	1.6	10
22	Cox Regression with Covariates Missing Not atÂRandom. Statistics in Biosciences, 2011, 3, 208-222.	1.2	8
23	Where Should I Publish My Sports Paper?. American Statistician, 2020, 74, 103-108.	1.6	8
24	Quarterback evaluation in the national football league using tracking data. AStA Advances in Statistical Analysis, 2023, 107, 327-342.	0.9	8
25	Analysis of substitution times in soccer. Journal of Quantitative Analysis in Sports, 2016, 12, .	1.0	7
26	A computationally intensive ranking system for paired comparison data. Operations Research Perspectives, 2018, 5, 105-112.	2.1	7
27	Efficient computation of the kinship coefficients. Bioinformatics, 2019, 35, 1002-1008.	4.1	7
28	Issues Related to Sports Gambling. Australian and New Zealand Journal of Statistics, 2004, 46, 219-232.	0.9	6
29	The Prediction of Batting Averages in Major League Baseball. Stats, 2020, 3, 84-93.	0.9	6
30	Estimating Genetic Similarity Matrices Using Phylogenies. Journal of Computational Biology, 2021, 28, 587-600.	1.6	6
31	Bayesian Analysis of Ordinal Survey Data Using the Dirichlet Process to Account for Respondent Personality Traits. Communications in Statistics Part B: Simulation and Computation, 2014, 43, 82-98.	1.2	5
32	Biased penalty calls in the National Hockey League. Statistical Analysis and Data Mining, 2016, 9, 365-372.	2.8	4
33	Particle Gibbs sampling for Bayesian phylogenetic inference. Bioinformatics, 2021, 37, 642-649.	4.1	4
34	A contextual analysis of crossing the ball in soccer. Journal of Quantitative Analysis in Sports, 2021, 17, 57-66.	1.0	4
35	Two-Dimensional Functional Principal Component Analysis for Image Feature Extraction. Journal of Computational and Graphical Statistics, 2022, 31, 1127-1140.	1.7	4
36	In-game win probabilities for the National Rugby League. Annals of Applied Statistics, 2022, 16, .	1.1	4

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37	Declaration guidelines in test cricket. Journal of Quantitative Analysis in Sports, 2014, 10, .	1.0	3
38	Modified Kelly criteria. Journal of Quantitative Analysis in Sports, 2018, 14, 1-11.	1.0	3
39	Joint modelling for organ transplantation outcomes for patients with diabetes and the end-stage renal disease. Statistical Methods in Medical Research, 2019, 28, 2724-2737.	1.5	3
40	Spectral dynamic causal modelling of resting-state fMRI: an exploratory study relating effective brain connectivity in the default mode network to genetics. Statistical Applications in Genetics and Molecular Biology, 2020, 19, .	0.6	3
41	Bayesian Modeling and Computations in Final-Offer Arbitration. Journal of Business and Economic Statistics, 2003, 21, 74-79.	2.9	2
42	Tests Concerning Equicorrelation Matrices with Grouped Normal Data. Communications in Statistics - Theory and Methods, 2005, 34, 857-873.	1.0	2
43	Functional Mapping of Multiple Dynamic Traits. Journal of Agricultural, Biological, and Environmental Statistics, 2017, 22, 60-75.	1.4	2
44	The Quality of Pitches in Major League Baseball. American Statistician, 2017, 71, 148-154.	1.6	2
45	Bayesian estimation of ordinary differential equation models when the likelihood has multiple local modes. Monte Carlo Methods and Applications, 2018, 24, 117-127.	0.8	2
46	A Bayesian spatial model for imaging genetics. Biometrics, 2022, 78, 742-753.	1.4	2
47	Foul accumulation in the NBA. Journal of Quantitative Analysis in Sports, 2020, 16, 301-309.	1.0	2
48	The analysis of serve decisions in tennis using Bayesian hierarchical models. Annals of Operations Research, 0, , 1.	4.1	2
49	Bayesian clustering with priors on partitions. Statistica Neerlandica, 2011, 65, 371-386.	1.6	1
50	The evaluation of pace of play in hockey. Journal of Sports Analytics, 2018, 4, 145-151.	0.8	1
51	A characterization of the degree of weak and strong links in doubles sports. Journal of Quantitative Analysis in Sports, 2019, 15, 155-162.	1.0	1
52	Pattern discovery of health curves using an ordered probit model with Bayesian smoothing and functional principal component analysis. Statistical Methods in Medical Research, 2021, 30, 458-472.	1.5	1
53	Adaptive Semiparametric Bayesian Differential Equations Via Sequential Monte Carlo. Journal of Computational and Graphical Statistics, 2022, 31, 600-613.	1.7	1
54	Bayesian approaches for critical velocity modelling of data from intermittent efforts. International Journal of Sports Science and Coaching, 2022, 17, 868-879.	1.4	1

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55	On the probability of a model. Test, 2002, 11, 413-438.	1.1	0
56	Rejoinder to Myers (2016). Journal of Quantitative Analysis in Sports, 2016, 12, .	1.0	0
57	Bayesian treatment of non-standard problems in test analysis. Metron, 2019, 77, 227-238.	1.2	0
58	Inference for misclassified multinomial data with covariates. Canadian Journal of Statistics, 2020, 48, 655-669.	0.9	0
59	Semiparametric Mixed-Effects Ordinary Differential Equation Models with Heavy-Tailed Distributions. Journal of Agricultural, Biological, and Environmental Statistics, 2021, 26, 428-445.	1.4	0
60	Long time frames to detect the impact of changing COVID-19 measures, Canada, March to July 2020. Eurosurveillance, 2021, 26, .	7.0	0
61	Online Bayesian learning for mixtures of spatial spline regressions with mixed effects. Journal of Statistical Computation and Simulation, 0, , 1-37.	1.2	0
62	Moment matching adaptive importance sampling with skew-student proposals. Monte Carlo Methods and Applications, 2022, 28, 149-162.	0.8	0