

# Tim Swartz

## List of Publications by Year in Descending Order

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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.

56  
papers

420  
citations

14  
h-index

18  
g-index

62  
ext. papers

563  
ext. citations

2.1  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
56	A contextual analysis of crossing the ball in soccer. <i>Journal of Quantitative Analysis in Sports</i> , <b>2021</b> , 17, 57-66	1.2	1
55	Semiparametric Mixed-Effects Ordinary Differential Equation Models with Heavy-Tailed Distributions. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2021</b> , 26, 1-18	1.9	
54	Estimating Genetic Similarity Matrices Using Phylogenies. <i>Journal of Computational Biology</i> , <b>2021</b> , 28, 587-600	1.7	1
53	Pattern discovery of health curves using an ordered probit model with Bayesian smoothing and functional principal component analysis. <i>Statistical Methods in Medical Research</i> , <b>2021</b> , 30, 458-472	2.3	0
52	Particle Gibbs sampling for Bayesian phylogenetic inference. <i>Bioinformatics</i> , <b>2021</b> , 37, 642-649	7.2	0
51	Functional principal component analysis for longitudinal data with informative dropout. <i>Statistics in Medicine</i> , <b>2021</b> , 40, 712-724	2.3	4
50	Inference for misclassified multinomial data with covariates. <i>Canadian Journal of Statistics</i> , <b>2020</b> , 48, 655-669	0.4	
49	The Prediction of Batting Averages in Major League Baseball. <i>Stats</i> , <b>2020</b> , 3, 84-93	0.9	2
48	Foul accumulation in the NBA. <i>Journal of Quantitative Analysis in Sports</i> , <b>2020</b> , 16, 301-309	1.2	1
47	Where Should I Publish My Sports Paper?. <i>American Statistician</i> , <b>2020</b> , 74, 103-108	5	6
46	An Annealed Sequential Monte Carlo Method for Bayesian Phylogenetics. <i>Systematic Biology</i> , <b>2020</b> , 69, 155-183	8.4	14
45	Bayesian treatment of non-standard problems in test analysis. <i>Metron</i> , <b>2019</b> , 77, 227-238	0.5	
44	Joint modelling for organ transplantation outcomes for patients with diabetes and the end-stage renal disease. <i>Statistical Methods in Medical Research</i> , <b>2019</b> , 28, 2724-2737	2.3	3
43	A characterization of the degree of weak and strong links in doubles sports. <i>Journal of Quantitative Analysis in Sports</i> , <b>2019</b> , 15, 155-162	1.2	0
42	Efficient computation of the kinship coefficients. <i>Bioinformatics</i> , <b>2019</b> , 35, 1002-1008	7.2	2
41	Bayesian estimation of ordinary differential equation models when the likelihood has multiple local modes. <i>Monte Carlo Methods and Applications</i> , <b>2018</b> , 24, 117-127	0.4	1
40	Modified Kelly criteria. <i>Journal of Quantitative Analysis in Sports</i> , <b>2018</b> , 14, 1-11	1.2	2

39	Assessing the impact of fielding in Twenty20 cricket. <i>Journal of the Operational Research Society</i> , <b>2018</b> , 69, 1335-1343	2	5
38	Supervised functional principal component analysis. <i>Statistics and Computing</i> , <b>2018</b> , 28, 713-723	1.8	13
37	Functional principal component analysis of glomerular filtration rate curves after kidney transplant. <i>Statistical Methods in Medical Research</i> , <b>2018</b> , 27, 3785-3796	2.3	14
36	The fundamental association between mental health and life satisfaction: results from successive waves of a Canadian national survey. <i>BMC Public Health</i> , <b>2018</b> , 18, 342	4.1	63
35	A computationally intensive ranking system for paired comparison data. <i>Operations Research Perspectives</i> , <b>2018</b> , 5, 105-112	2.1	4
34	The evaluation of pace of play in hockey. <i>Journal of Sports Analytics</i> , <b>2018</b> , 4, 145-151	0.7	1
33	Locally Sparse Estimator for Functional Linear Regression Models. <i>Journal of Computational and Graphical Statistics</i> , <b>2017</b> , 26, 306-318	1.4	21
32	Parametric functional principal component analysis. <i>Biometrics</i> , <b>2017</b> , 73, 802-810	1.8	14
31	Normal and pathological dynamics of platelets in humans. <i>Journal of Mathematical Biology</i> , <b>2017</b> , 75, 1411-1462	2	19
30	Estimating time-varying directed gene regulation networks. <i>Biometrics</i> , <b>2017</b> , 73, 1231-1242	1.8	8
29	Functional Mapping of Multiple Dynamic Traits. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2017</b> , 22, 60-75	1.9	2
28	The Quality of Pitches in Major League Baseball. <i>American Statistician</i> , <b>2017</b> , 71, 148-154	5	1
27	Interpretable functional principal component analysis. <i>Biometrics</i> , <b>2016</b> , 72, 846-854	1.8	16
26	Optimal lineups in Twenty20 cricket. <i>Journal of Statistical Computation and Simulation</i> , <b>2016</b> , 86, 2888-2900	1.4	8
25	Biased penalty calls in the National Hockey League. <i>Statistical Analysis and Data Mining</i> , <b>2016</b> , 9, 365-372	1.4	3
24	Analysis of substitution times in soccer. <i>Journal of Quantitative Analysis in Sports</i> , <b>2016</b> , 12,	1.2	3
23	A Simulator for Twenty20 Cricket. <i>Australian and New Zealand Journal of Statistics</i> , <b>2015</b> , 57, 55-71	0.7	18
22	Bayesian Analysis of Ordinal Survey Data Using the Dirichlet Process to Account for Respondent Personality Traits. <i>Communications in Statistics Part B: Simulation and Computation</i> , <b>2014</b> , 43, 82-98	0.6	4

21	New Insights Involving the Home Team Advantage. <i>International Journal of Sports Science and Coaching</i> , <b>2014</b> , 9, 681-692	1.8	14
20	Declaration guidelines in test cricket. <i>Journal of Quantitative Analysis in Sports</i> , <b>2014</b> , 10,	1.2	3
19	Bayesian clustering with priors on partitions. <i>Statistica Neerlandica</i> , <b>2011</b> , 65, 371-386	0.9	1
18	Cox Regression with Covariates Missing Not at Random. <i>Statistics in Biosciences</i> , <b>2011</b> , 3, 208-222	1.5	8
17	Strategies for Pulling the Goalie in Hockey. <i>American Statistician</i> , <b>2010</b> , 64, 197-204	5	17
16	Modelling and simulation for one-day cricket. <i>Canadian Journal of Statistics</i> , <b>2009</b> , 37, 143-160	0.4	20
15	Bayesian analysis of mark-recapture data with travel time-dependent survival probabilities. <i>Canadian Journal of Statistics</i> , <b>2008</b> , 36, 5-21	0.4	7
14	A Stylometric Analysis of King Alfred's Literary Works. <i>Journal of Applied Statistics</i> , <b>2007</b> , 34, 1251-1258	1	7
13	Optimally and computations for relative surprise inferences. <i>Canadian Journal of Statistics</i> , <b>2006</b> , 34, 113-129	0.4	16
12	Tests Concerning Equicorrelation Matrices with Grouped Normal Data. <i>Communications in Statistics - Theory and Methods</i> , <b>2005</b> , 34, 857-873	0.5	2
11	Issues Related to Sports Gambling. <i>Australian and New Zealand Journal of Statistics</i> , <b>2004</b> , 46, 219-232	0.7	3
10	Bayesian identifiability and misclassification in multinomial data. <i>Canadian Journal of Statistics</i> , <b>2004</b> , 32, 285-302	0.4	28
9	Bayesian Modeling and Computations in Final-Offer Arbitration. <i>Journal of Business and Economic Statistics</i> , <b>2003</b> , 21, 74-79	3.8	2
8	On the probability of a model. <i>Test</i> , <b>2002</b> , 11, 413-438	1.1	
7	Statistical analyses for round robin interaction data. <i>Canadian Journal of Statistics</i> , <b>2001</b> , 29, 321-331	0.4	34
6	The analysis of serve decisions in tennis using Bayesian hierarchical models. <i>Annals of Operations Research</i> , 1	3.2	0
5	Two-Dimensional Functional Principal Component Analysis for Image Feature Extraction. <i>Journal of Computational and Graphical Statistics</i> , 1-26	1.4	
4	Online Bayesian learning for mixtures of spatial spline regressions with mixed effects. <i>Journal of Statistical Computation and Simulation</i> , 1-37	0.9	

3	Adaptive semiparametric Bayesian differential equations via sequential Monte Carlo. <i>Journal of Computational and Graphical Statistics</i> ,1-36	1.4	
2	Quarterback evaluation in the national football league using tracking data. <i>AStA Advances in Statistical Analysis</i> ,1	1	2
1	Bayesian approaches for critical velocity modelling of data from intermittent efforts. <i>International Journal of Sports Science and Coaching</i> ,174795412211003	1.8	0