

# J S Marron

## List of Publications by Year in descending order

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118  
papers

8,897  
citations

61945

43  
h-index

43868

91  
g-index

120  
all docs

120  
docs citations

120  
times ranked

7118  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Brief Survey of Bandwidth Selection for Density Estimation. Journal of the American Statistical Association, 1996, 91, 401-407.	1.8	929
2	Exact Mean Integrated Squared Error. Annals of Statistics, 1992, 20, 712.	1.4	565
3	SiZer for Exploration of Structures in Curves. Journal of the American Statistical Association, 1999, 94, 807-823.	1.8	464
4	Joint and individual variation explained (JIVE) for integrated analysis of multiple data types. Annals of Applied Statistics, 2013, 7, 523-542.	0.5	367
5	Adjustment of systematic microarray data biases. Bioinformatics, 2004, 20, 105-114.	1.8	360
6	Comparison of Data-Driven Bandwidth Selectors. Journal of the American Statistical Association, 1990, 85, 66-72.	1.8	342
7	Geometric representation of high dimension, low sample size data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2005, 67, 427-444.	1.1	330
8	Robust principal component analysis for functional data. Test, 1999, 8, 1-73.	0.7	284
9	How Far are Automatically Chosen Regression Smoothing Parameters from their Optimum?. Journal of the American Statistical Association, 1988, 83, 86-95.	1.8	268
10	Kernel Quantile Estimators. Journal of the American Statistical Association, 1990, 85, 410-416.	1.8	241
11	Transformations in Density Estimation. Journal of the American Statistical Association, 1991, 86, 343-353.	1.8	219
12	Statistical Significance of Clustering for High-Dimension, Low Sample Size Data. Journal of the American Statistical Association, 2008, 103, 1281-1293.	1.8	215
13	A Brief Survey of Bandwidth Selection for Density Estimation. Journal of the American Statistical Association, 1996, 91, 401.	1.8	207
14	Distance-Weighted Discrimination. Journal of the American Statistical Association, 2007, 102, 1267-1271.	1.8	203
15	On automatic boundary corrections. Annals of Statistics, 1997, 25, 1691.	1.4	177
16	Scale space view of curve estimation. Annals of Statistics, 2000, 28, 408.	1.4	174
17	Persistent homology analysis of brain artery trees. Annals of Applied Statistics, 2016, 10, 198-218.	0.5	160
18	SiZer for Exploration of Structures in Curves. Journal of the American Statistical Association, 1999, 94, 807.	1.8	137

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19	Choosing a Kernel Regression Estimator. <i>Statistical Science</i> , 1991, 6, 404.	1.6	123
20	Comparison of Data-Driven Bandwidth Selectors. <i>Journal of the American Statistical Association</i> , 1990, 85, 66.	1.8	118
21	Overview of object oriented data analysis. <i>Biometrical Journal</i> , 2014, 56, 732-753.	0.6	116
22	Edge-Preserving Smoothers for Image Processing. <i>Journal of the American Statistical Association</i> , 1998, 93, 526-541.	1.8	113
23	Object oriented data analysis: Sets of trees. <i>Annals of Statistics</i> , 2007, 35, .	1.4	108
24	Asymptotically Optimal Bandwidth Selection for Kernel Density Estimators from Randomly Right-Censored Samples. <i>Annals of Statistics</i> , 1987, 15, 1520.	1.4	105
25	Analysis of principal nested spheres. <i>Biometrika</i> , 2012, 99, 551-568.	1.3	99
26	Significance in Scale Space for Bivariate Density Estimation. <i>Journal of Computational and Graphical Statistics</i> , 2002, 11, 1-21.	0.9	97
27	Weighted Distance Weighted Discrimination and Its Asymptotic Properties. <i>Journal of the American Statistical Association</i> , 2010, 105, 401-414.	1.8	84
28	A Comparison of Cross-Validation Techniques in Density Estimation. <i>Annals of Statistics</i> , 1987, 15, 152.	1.4	80
29	Equivalence of Smoothing Parameter Selectors in Density and Intensity Estimation. <i>Journal of the American Statistical Association</i> , 1988, 83, 793-800.	1.8	80
30	3D osteoarthritic changes in TMJ condylar morphology correlates with specific systemic and local biomarkers of disease. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1657-1667.	0.6	80
31	Transformations in Density Estimation. <i>Journal of the American Statistical Association</i> , 1991, 86, 343.	1.8	74
32	On the Amount of Noise Inherent in Bandwidth Selection for a Kernel Density Estimator. <i>Annals of Statistics</i> , 1987, 15, .	1.4	71
33	Some asymptotics for multimodality tests based on kernel density estimates. <i>Probability Theory and Related Fields</i> , 1992, 91, 115-132.	0.9	70
34	Advanced Distribution Theory for SiZer. <i>Journal of the American Statistical Association</i> , 2006, 101, 484-499.	1.8	68
35	Universal smoothing factor selection in density estimation: theory and practice. <i>Test</i> , 1997, 6, 223-320.	0.7	67
36	Visual Error Criteria for Qualitative Smoothing. <i>Journal of the American Statistical Association</i> , 1995, 90, 499-507.	1.8	66

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37	A machine learning approach to knee osteoarthritis phenotyping: data from the FNHI Biomarkers Consortium. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 994-1001.	0.6	65
38	Regression Smoothing Parameters that are not Far from their Optimum. <i>Journal of the American Statistical Association</i> , 1992, 87, 227-233.	1.8	57
39	Angle-based joint and individual variation explained. <i>Journal of Multivariate Analysis</i> , 2018, 166, 241-265.	0.5	54
40	The maximal data piling direction for discrimination. <i>Biometrika</i> , 2010, 97, 254-259.	1.3	52
41	Kernel Quantile Estimators. <i>Journal of the American Statistical Association</i> , 1990, 85, 410.	1.8	52
42	Sticky central limit theorems on open books. <i>Annals of Applied Probability</i> , 2013, 23, .	0.6	49
43	Edge-Preserving Smoothers for Image Processing. <i>Journal of the American Statistical Association</i> , 1998, 93, 526.	1.8	48
44	Bootstrap Selection of the Smoothing Parameter in Nonparametric Hazard Rate Estimation. <i>Journal of the American Statistical Association</i> , 1996, 91, 1130-1140.	1.8	47
45	Fire or ice: anticorrelation of volcanism and glaciation in California over the past 800,000 years. <i>Geophysical Research Letters</i> , 1999, 26, 1759-1762.	1.5	45
46	Statistical Significance of Clustering Using Soft Thresholding. <i>Journal of Computational and Graphical Statistics</i> , 2015, 24, 975-993.	0.9	45
47	Bandwidth Choice for Average Derivative Estimation. <i>Journal of the American Statistical Association</i> , 1992, 87, 218-226.	1.8	42
48	A principal component analysis for trees. <i>Annals of Applied Statistics</i> , 2009, 3, .	0.5	41
49	Principal arc analysis on direct product manifolds. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	39
50	Direction-Projection-Permutation for High-Dimensional Hypothesis Tests. <i>Journal of Computational and Graphical Statistics</i> , 2016, 25, 549-569.	0.9	39
51	A nonlinear gaussian filter applied to images with discontinuities. <i>Journal of Nonparametric Statistics</i> , 1997, 8, 21-43.	0.4	36
52	Dependent SiZer: Goodness-of-Fit Tests for Time Series Models. <i>Journal of Applied Statistics</i> , 2004, 31, 999-1017.	0.6	35
53	R/DWD: distance-weighted discrimination for classification, visualization and batch adjustment. <i>Bioinformatics</i> , 2012, 28, 1182-1183.	1.8	35
54	Nested Sphere Statistics of Skeletal Models. <i>Mathematics and Visualization</i> , 2013, , 93-115.	0.4	35

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55	Long-range dependence analysis of Internet traffic. <i>Journal of Applied Statistics</i> , 2011, 38, 1407-1433.	0.6	33
56	Asymptotic nonequivalence of some bandwidth selectors in nonparametric regression. <i>Biometrika</i> , 1985, 72, 481-484.	1.3	31
57	Exact Risk Analysis of Wavelet Regression. <i>Journal of Computational and Graphical Statistics</i> , 1998, 7, 278-309.	0.9	31
58	Mixed-Model Functional ANOVA for Studying Human Tactile Perception. <i>Journal of the American Statistical Association</i> , 2003, 98, 263-272.	1.8	30
59	Partitioned cross-validation. <i>Econometric Reviews</i> , 1987, 6, 271-283.	0.5	29
60	EXTREMAL DEPENDENCE: INTERNET TRAFFIC APPLICATIONS. <i>Stochastic Models</i> , 2005, 21, 1-35.	0.3	29
61	Singular Value Decomposition and Its Visualization. <i>Journal of Computational and Graphical Statistics</i> , 2007, 16, 833-854.	0.9	28
62	JIVE integration of imaging and behavioral data. <i>NeuroImage</i> , 2017, 152, 38-49.	2.1	28
63	A survey of high dimension low sample size asymptotics. <i>Australian and New Zealand Journal of Statistics</i> , 2018, 60, 4-19.	0.4	27
64	SiZer for smoothing splines. <i>Computational Statistics</i> , 2005, 20, 481-502.	0.8	25
65	Appearance normalization of histology slides. <i>Computerized Medical Imaging and Graphics</i> , 2015, 43, 89-98.	3.5	25
66	Data science vs. statistics: two cultures?. <i>Japanese Journal of Statistics and Data Science</i> , 2018, 1, 117-138.	0.7	25
67	Backwards Principal Component Analysis and Principal Nested Relations. <i>Journal of Mathematical Imaging and Vision</i> , 2014, 50, 107-114.	0.8	24
68	Novel statistical methodology reveals that hip shape is associated with incident radiographic hip osteoarthritis among African American women. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 640-646.	0.6	23
69	Visual Error Criteria for Qualitative Smoothing. <i>Journal of the American Statistical Association</i> , 1995, 90, 499.	1.8	23
70	SiZer for jump detection. <i>Journal of Nonparametric Statistics</i> , 2006, 18, 13-20.	0.4	21
71	Tree-Oriented Analysis of Brain Artery Structure. <i>Journal of Mathematical Imaging and Vision</i> , 2014, 50, 126-143.	0.8	19
72	Non-Euclidean classification of medically imaged objects via s-reps. <i>Medical Image Analysis</i> , 2016, 31, 37-45.	7.0	19

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73	Fast Algorithms for Large-Scale Generalized Distance Weighted Discrimination. Journal of Computational and Graphical Statistics, 2018, 27, 368-379.	0.9	19
74	Equivalence of Smoothing Parameter Selectors in Density and Intensity Estimation. , 0, .		18
75	Scale measures for bandwidth selection. Journal of Nonparametric Statistics, 1995, 5, 359-380.	0.4	17
76	SigFuge: single gene clustering of RNA-seq reveals differential isoform usage among cancer samples. Nucleic Acids Research, 2014, 42, e113-e113.	6.5	17
77	Analysis of Rotational Deformations From Directional Data. Journal of Computational and Graphical Statistics, 2015, 24, 539-560.	0.9	17
78	Visual Understanding of Higher-Order Kernels. Journal of Computational and Graphical Statistics, 1994, 3, 447-458.	0.9	16
79	Multiclass Distance-Weighted Discrimination. Journal of Computational and Graphical Statistics, 2013, 22, 953-969.	0.9	16
80	Functional Data Analysis of Tree Data Objects. Journal of Computational and Graphical Statistics, 2014, 23, 418-438.	0.9	16
81	Non-linear Hypothesis Testing of Geometric Object Properties of Shapes Applied to Hippocampi. Journal of Mathematical Imaging and Vision, 2016, 54, 15-34.	0.8	16
82	MultiK: an automated tool to determine optimal cluster numbers in single-cell RNA sequencing data. Genome Biology, 2021, 22, 232.	3.8	16
83	Presentation of smoothers: the family approach. Computational Statistics, 2001, 16, 195-207.	0.8	15
84	Direct deconvolution density estimation of a mixture distribution motivated by mutation effects distribution. Journal of Nonparametric Statistics, 2010, 22, 1-22.	0.4	14
85	Curve estimation when the design density is low. Annals of Statistics, 1997, 25, .	1.4	12
86	A Nonparametric Regression Model With Tree-Structured Response. Journal of the American Statistical Association, 2012, 107, 1272-1285.	1.8	11
87	A note on automatic data transformation. Stat, 2016, 5, 82-87.	0.3	10
88	SCISSOR: a framework for identifying structural changes in RNA transcripts. Nature Communications, 2021, 12, 286.	5.8	10
89	Automatic Smoothing Parameter Selection: A Survey. , 1989, , 65-86.		10
90	Bidirectional discrimination with application to data visualization. Biometrika, 2012, 99, 851-864.	1.3	9

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91	Distance-weighted discrimination. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 109-114.	2.1	9
92	Speculation on the generality of the backward stepwise view of PCA. , 2010, , .		6
93	Principal Nested Spheres for Time-Warped Functional Data Analysis. Journal of Computational and Graphical Statistics, 2017, 26, 144-151.	0.9	6
94	Eigenvalue Significance Testing for Genetic Association. Biometrics, 2018, 74, 439-447.	0.8	6
95	Root N Bandwidth Selection. , 1991, , 251-260.		6
96	Detection of bone loss via subchondral bone analysis. , 2018, 10578, .		5
97	Visualization of Cross-Platform Microarray Normalization. , 0, , 167-181.		4
98	Big Data in context and robustness against heterogeneity. Econometrics and Statistics, 2017, 2, 73-80.	0.4	4
99	On Optimal Data-Based Bandwidth Selection in Kernel Density Estimation. Biometrika, 1991, 78, 263.	1.3	4
100	Multiresolution anomaly detection method for fractional Gaussian noise. Journal of Applied Statistics, 2014, 41, 769-784.	0.6	3
101	Object-Oriented Data Analysis of Cell Images. Journal of the American Statistical Association, 2014, 109, 548-559.	1.8	3
102	Least squares sieve estimation of mixture distributions with boundary effects. Journal of the Korean Statistical Society, 2015, 44, 187-201.	0.3	3
103	Bump hunting by topological data analysis. Stat, 2017, 6, 462-471.	0.3	3
104	Relative Optimality Conditions and Algorithms for Treespace Fréchet Means. SIAM Journal on Optimization, 2018, 28, 959-988.	1.2	3
105	Multi-Resolution Anomaly Detection for the internet. , 2008, , .		2
106	Activity prediction and identification of mis-annotated chemical compounds using extreme descriptors. Journal of Chemometrics, 2016, 30, 99-108.	0.7	2
107	Distance-weighted discrimination of face images for gender classification. Stat, 2017, 6, 231-240.	0.3	2
108	Effective writing in mathematical statistics. Statistica Neerlandica, 1999, 53, 68-75.	0.9	1

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109	Rejoinder to the discussion of: Overview of object-oriented data analysis. Biometrical Journal, 2014, 56, 790-791.	0.6	1
110	Nested nonnegative cone analysis. Computational Statistics and Data Analysis, 2015, 88, 100-110.	0.7	1
111	Visualization of robust L1PCA. Stat, 2016, 5, 173-184.	0.3	1
112	Methods for quantitative characterization of bone injury from computed-tomography images. , 2019, 10953, .		1
113	Advanced statistical analysis to classify high dimensionality textural probability-distribution matrices. , 2019, 10953, .		1
114	The limits of multiplexing. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 394-399.	2.1	0
115	Large-margin classification with multiple decision rules. Statistical Analysis and Data Mining, 2016, 9, 89-105.	1.4	0
116	Discussion: A Spatial Modeling Approach for Linguistic Object Data: Analysing Dialect Sound Variations Across Great Britain, by Shahin Tavakoli etAl.. Journal of the American Statistical Association, 2019, 114, 1102-1102.	1.8	0
117	Comments on: Data science, big data and statistics. Test, 2019, 28, 342-344.	0.7	0
118	Significance analysis for pairwise variable selection in classification. Statistics and Its Interface, 2014, 7, 263-274.	0.2	0