

# William S Cleveland

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

20,109  
citations

126907

33  
h-index

155660

55  
g-index

61  
all docs

61  
docs citations

61  
times ranked

19519  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Search of the Optimal Atmospheric River Index for US Precipitation: A Multifactorial Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033667.	3.3	2
2	Divide and recombine (D&R) data science projects for deep analysis of big data and high computational complexity. <i>Japanese Journal of Statistics and Data Science</i> , 2018, 1, 139-156.	1.2	4
3	Multifractal and Gaussian fractional difference models for Internet traffic. <i>Performance Evaluation</i> , 2017, 107, 1-33.	1.2	5
4	Data science: An action plan for expanding the technical areas of the field of statistics. <i>Statistical Analysis and Data Mining</i> , 2014, 7, 414-417.	2.8	13
5	Divide and recombine (D&R): Data science for large complex data. <i>Statistical Analysis and Data Mining</i> , 2014, 7, 425-433.	2.8	15
6	Automated Box-Cox Transformations for Improved Visual Encoding. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2013, 19, 130-140.	4.4	26
7	Trelliscope: A system for detailed visualization in the deep analysis of large complex data. , 2013, , .		10
8	Large complex data: divide and recombine (D&R) with RHIFE. <i>Stat</i> , 2012, 1, 53-67.	0.4	76
9	Trellis display for modeling data from designed experiments. <i>Statistical Analysis and Data Mining</i> , 2011, 4, 133-145.	2.8	6
10	Statistical analysis and modeling of Internet VoIP traffic for network engineering. <i>Electronic Journal of Statistics</i> , 2010, 4, .	0.7	13
11	A Visual Analytics Approach to Understanding Spatiotemporal Hotspots. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010, 16, 205-220.	4.4	105
12	Syndromic surveillance: STL for modeling, visualizing, and monitoring disease counts. <i>BMC Medical Informatics and Decision Making</i> , 2009, 9, 21.	3.0	35
13	Visualizing Incomplete and Partially Ranked Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2008, 14, 1356-1363.	4.4	46
14	Understanding syndromic hotspots - a visual analytics approach. , 2008, , .		14
15	Bandwidth Estimation for Best-Effort Internet Traffic. <i>Statistical Science</i> , 2004, 19, 518.	2.8	6
16	The S-Net System for Internet Packet Streams: Strategies for Stream Analysis and System Architecture. <i>Journal of Computational and Graphical Statistics</i> , 2003, 12, 865-892.	1.7	3
17	On the nonstationarity of Internet traffic. , 2001, , .		111
18	On the nonstationarity of Internet traffic. <i>Performance Evaluation Review</i> , 2001, 29, 102-112.	0.6	39

#	ARTICLE	IF	CITATIONS
19	IP packet generation. , 2000, , .		33
20	Internet Traffic Data. Journal of the American Statistical Association, 2000, 95, 979-985.	3.1	24
21	IP packet generation. Performance Evaluation Review, 2000, 28, 166-177.	0.6	5
22	Internet Traffic Data. Journal of the American Statistical Association, 2000, 95, 979.	3.1	3
23	The Visual Design and Control of Trellis Display. Journal of Computational and Graphical Statistics, 1996, 5, 123-155.	1.7	149
24	Smoothing by Local Regression: Principles and Methods. Contributions To Statistics, 1996, , 10-49.	0.2	221
25	The Visual Design and Control of Trellis Display. Journal of Computational and Graphical Statistics, 1996, 5, 123.	1.7	153
26	Coplots, nonparametric regression, and conditionally parametric fits. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1994, 24, 21-36.	1.0	22
27	A Model for Studying Display Methods of Statistical Graphics. Journal of Computational and Graphical Statistics, 1993, 2, 323.	1.7	14
28	ATS Methods: Nonparametric Regression for Non-Gaussian Data. Journal of the American Statistical Association, 1993, 88, 821-835.	3.1	13
29	A Model for Studying Display Methods of Statistical Graphics. Journal of Computational and Graphical Statistics, 1993, 2, 323-343.	1.7	45
30	Computational methods for local regression. Statistics and Computing, 1991, 1, 47-62.	1.5	268
31	Regression by local fitting. Journal of Econometrics, 1988, 37, 87-114.	6.5	499
32	Locally Weighted Regression: An Approach to Regression Analysis by Local Fitting. Journal of the American Statistical Association, 1988, 83, 596-610.	3.1	4,240
33	The Shape Parameter of a Two-Variable Graph. Journal of the American Statistical Association, 1988, 83, 289-300.	3.1	66
34	Locally Weighted Regression: An Approach to Regression Analysis by Local Fitting. Journal of the American Statistical Association, 1988, 83, 596.	3.1	632
35	Brushing Scatterplots. Technometrics, 1987, 29, 127-142.	1.9	461
36	Research in Statistical Graphics. Journal of the American Statistical Association, 1987, 82, 419-423.	3.1	47

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37	Dynamic Graphics for Data Analysis. <i>Statistical Science</i> , 1987, 2, 355.	2.8	163
38	Graphical Perception: The Visual Decoding of Quantitative Information on Graphical Displays of Data. <i>Journal of the Royal Statistical Society Series A (General)</i> , 1987, 150, 192.	0.6	129
39	An experiment in graphical perception. <i>International Journal of Man-Machine Studies</i> , 1986, 25, 491-500.	0.7	122
40	The Many Faces of a Scatterplot. <i>Journal of the American Statistical Association</i> , 1984, 79, 807-822.	3.1	188
41	Graphical Perception: Theory, Experimentation, and Application to the Development of Graphical Methods. <i>Journal of the American Statistical Association</i> , 1984, 79, 531-554.	3.1	1,140
42	Graphs in Scientific Publications. <i>American Statistician</i> , 1984, 38, 261-269.	1.6	68
43	Graphical Methods for Data Presentation: Full Scale Breaks, Dot Charts, and Multibased Logging. <i>American Statistician</i> , 1984, 38, 270-280.	1.6	63
44	Graphs in Scientific Publications. <i>American Statistician</i> , 1984, 38, 261.	1.6	96
45	Graphical Perception: Theory, Experimentation, and Application to the Development of Graphical Methods. <i>Journal of the American Statistical Association</i> , 1984, 79, 531.	3.1	322
46	The Many Faces of a Scatterplot. <i>Journal of the American Statistical Association</i> , 1984, 79, 807.	3.1	44
47	The seasonal component of atmospheric CO <sub>2</sub> : Information from new approaches to the decomposition of seasonal time series. <i>Journal of Geophysical Research</i> , 1983, 88, 10934-10946.	3.3	86
48	Seasonal and calendar adjustment. <i>Handbook of Statistics</i> , 1983, 3, 39-72.	0.6	11
49	Graphical Methods for Seasonal Adjustment. <i>Journal of the American Statistical Association</i> , 1982, 77, 52-62.	3.1	37
50	Calendar Effects in Monthly Time Series: Modeling and Adjustment. <i>Journal of the American Statistical Association</i> , 1982, 77, 520-528.	3.1	40
51	A Reader's Guide to Smoothing Scatterplots and Graphical Methods for Regression. , 1982, , 37-43.		1
52	Discussion of Extreme Values from a Nonstationary Stochastic Process: Application to Air Quality Analysis. <i>Technometrics</i> , 1980, 22, 479.	1.9	1
53	Calendar Effects in Monthly Time Series: Detection by Spectrum Analysis and Graphical Methods. <i>Journal of the American Statistical Association</i> , 1980, 75, 487-496.	3.1	67
54	Calendar Effects in Monthly Time Series: Detection by Spectrum Analysis and Graphical Methods. <i>Journal of the American Statistical Association</i> , 1980, 75, 487.	3.1	21

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55	Robust Locally Weighted Regression and Smoothing Scatterplots. Journal of the American Statistical Association, 1979, 74, 829-836.	3.1	8,341
56	Robust Locally Weighted Regression and Smoothing Scatterplots. Journal of the American Statistical Association, 1979, 74, 829.	3.1	1,564
57	The Inverse Autocorrelations of a Time Series and Their Applications. Technometrics, 1972, 14, 277-293.	1.9	137
58	The Inverse Autocorrelations of a Time Series and Their Applications. Technometrics, 1972, 14, 277.	1.9	27
59	Fitting Time Series Models for Prediction. Technometrics, 1971, 13, 713-723.	1.9	15
60	Fitting Time Series Models for Prediction. Technometrics, 1971, 13, 713.	1.9	2