

# William S Cleveland

## List of Publications by Year in descending order

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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	Robust Locally Weighted Regression and Smoothing Scatterplots. Journal of the American Statistical Association, 1979, 74, 829-836.	3.1	8,341
2	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
3	Robust Locally Weighted Regression and Smoothing Scatterplots. Journal of the American Statistical Association, 1979, 74, 829.	3.1	1,564
4	Graphical Perception: Theory, Experimentation, and Application to the Development of Graphical Methods. Journal of the American Statistical Association, 1984, 79, 531-554.	3.1	1,140
5	Locally Weighted Regression: An Approach to Regression Analysis by Local Fitting. Journal of the American Statistical Association, 1988, 83, 596.	3.1	632
6	Regression by local fitting. Journal of Econometrics, 1988, 37, 87-114.	6.5	499
7	Brushing Scatterplots. Technometrics, 1987, 29, 127-142.	1.9	461
8	Graphical Perception: Theory, Experimentation, and Application to the Development of Graphical Methods. Journal of the American Statistical Association, 1984, 79, 531.	3.1	322
9	Computational methods for local regression. Statistics and Computing, 1991, 1, 47-62.	1.5	268
10	Smoothing by Local Regression: Principles and Methods. Contributions To Statistics, 1996, , 10-49.	0.2	221
11	The Many Faces of a Scatterplot. Journal of the American Statistical Association, 1984, 79, 807-822.	3.1	188
12	Dynamic Graphics for Data Analysis. Statistical Science, 1987, 2, 355.	2.8	163
13	The Visual Design and Control of Trellis Display. Journal of Computational and Graphical Statistics, 1996, 5, 123.	1.7	153
14	The Visual Design and Control of Trellis Display. Journal of Computational and Graphical Statistics, 1996, 5, 123-155.	1.7	149
15	The Inverse Autocorrelations of a Time Series and Their Applications. Technometrics, 1972, 14, 277-293.	1.9	137
16	Graphical Perception: The Visual Decoding of Quantitative Information on Graphical Displays of Data. Journal of the Royal Statistical Society Series A (General), 1987, 150, 192.	0.6	129
17	An experiment in graphical perception. International Journal of Man-Machine Studies, 1986, 25, 491-500.	0.7	122
18	On the nonstationarity of Internet traffic. , 2001, , .		111

#	ARTICLE	IF	CITATIONS
19	A Visual Analytics Approach to Understanding Spatiotemporal Hotspots. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 205-220.	4.4	105
20	Graphs in Scientific Publications. American Statistician, 1984, 38, 261.	1.6	96
21	The seasonal component of atmospheric CO <sub>2</sub> : Information from new approaches to the decomposition of seasonal time series. Journal of Geophysical Research, 1983, 88, 10934-10946.	3.3	86
22	Large complex data: divide and recombine (D&R) with RHIPE. Stat, 2012, 1, 53-67.	0.4	76
23	Graphs in Scientific Publications. American Statistician, 1984, 38, 261-269.	1.6	68
24	Calendar Effects in Monthly Time Series: Detection by Spectrum Analysis and Graphical Methods. Journal of the American Statistical Association, 1980, 75, 487-496.	3.1	67
25	The Shape Parameter of a Two-Variable Graph. Journal of the American Statistical Association, 1988, 83, 289-300.	3.1	66
26	Graphical Methods for Data Presentation: Full Scale Breaks, Dot Charts, and Multibased Logging. American Statistician, 1984, 38, 270-280.	1.6	63
27	Research in Statistical Graphics. Journal of the American Statistical Association, 1987, 82, 419-423.	3.1	47
28	Visualizing Incomplete and Partially Ranked Data. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1356-1363.	4.4	46
29	A Model for Studying Display Methods of Statistical Graphics. Journal of Computational and Graphical Statistics, 1993, 2, 323-343.	1.7	45
30	The Many Faces of a Scatterplot. Journal of the American Statistical Association, 1984, 79, 807.	3.1	44
31	Calendar Effects in Monthly Time Series: Modeling and Adjustment. Journal of the American Statistical Association, 1982, 77, 520-528.	3.1	40
32	On the nonstationarity of Internet traffic. Performance Evaluation Review, 2001, 29, 102-112.	0.6	39
33	Graphical Methods for Seasonal Adjustment. Journal of the American Statistical Association, 1982, 77, 52-62.	3.1	37
34	Syndromic surveillance: STL for modeling, visualizing, and monitoring disease counts. BMC Medical Informatics and Decision Making, 2009, 9, 21.	3.0	35
35	IP packet generation. , 2000, , .		33
36	The Inverse Autocorrelations of a Time Series and Their Applications. Technometrics, 1972, 14, 277.	1.9	27

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37	Automated Box-Cox Transformations for Improved Visual Encoding. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 130-140.	4.4	26
38	Internet Traffic Data. Journal of the American Statistical Association, 2000, 95, 979-985.	3.1	24
39	Coplots, nonparametric regression, and conditionally parametric fits. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1994, 24, 21-36.	1.0	22
40	Calendar Effects in Monthly Time Series: Detection by Spectrum Analysis and Graphical Methods. Journal of the American Statistical Association, 1980, 75, 487.	3.1	21
41	Fitting Time Series Models for Prediction. Technometrics, 1971, 13, 713-723.	1.9	15
42	Divide and recombine (D&R): Data science for large complex data. Statistical Analysis and Data Mining, 2014, 7, 425-433.	2.8	15
43	A Model for Studying Display Methods of Statistical Graphics. Journal of Computational and Graphical Statistics, 1993, 2, 323.	1.7	14
44	Understanding syndromic hotspots - a visual analytics approach. , 2008, , .		14
45	ATS Methods: Nonparametric Regression for Non-Gaussian Data. Journal of the American Statistical Association, 1993, 88, 821-835.	3.1	13
46	Statistical analysis and modeling of Internet VoIP traffic for network engineering. Electronic Journal of Statistics, 2010, 4, .	0.7	13
47	Data science: An action plan for expanding the technical areas of the field of statistics. Statistical Analysis and Data Mining, 2014, 7, 414-417.	2.8	13
48	Seasonal and calendar adjustment. Handbook of Statistics, 1983, 3, 39-72.	0.6	11
49	Trelliscope: A system for detailed visualization in the deep analysis of large complex data. , 2013, , .		10
50	Bandwidth Estimation for Best-Effort Internet Traffic. Statistical Science, 2004, 19, 518.	2.8	6
51	Trellis display for modeling data from designed experiments. Statistical Analysis and Data Mining, 2011, 4, 133-145.	2.8	6
52	Multifractal and Gaussian fractional sum-difference models for Internet traffic. Performance Evaluation, 2017, 107, 1-33.	1.2	5
53	IP packet generation. Performance Evaluation Review, 2000, 28, 166-177.	0.6	5
54	Divide and recombine (D&R) data science projects for deep analysis of big data and high computational complexity. Japanese Journal of Statistics and Data Science, 2018, 1, 139-156.	1.2	4

#	ARTICLE	IF	CITATIONS
55	The S-Net System for Internet Packet Streams: Strategies for Stream Analysis and System Architecture. Journal of Computational and Graphical Statistics, 2003, 12, 865-892.	1.7	3
56	Internet Traffic Data. Journal of the American Statistical Association, 2000, 95, 979.	3.1	3
57	In Search of the Optimal Atmospheric River Index for US Precipitation: A Multifactorial Analysis. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033667.	3.3	2
58	Fitting Time Series Models for Prediction. Technometrics, 1971, 13, 713.	1.9	2
59	Discussion of Extreme Values from a Nonstationary Stochastic Process: Application to Air Quality Analysis. Technometrics, 1980, 22, 479.	1.9	1
60	A Reader's Guide to Smoothing Scatterplots and Graphical Methods for Regression. , 1982, , 37-43.		1