

# William F Christensen

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,790  
citations

331642

21  
h-index

276858

41  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Dimensionality in Dichotomous Items When Many Subjects Have All-Zero Responses: An Example From Psychiatry and a Solution Using Mixture Models. <i>Applied Psychological Measurement</i> , 2022, 46, 167-184.	1.0	1
2	Accurate Prediction of Knee Angles during Open-Chain Rehabilitation Exercises Using a Wearable Array of Nanocomposite Stretch Sensors. <i>Sensors</i> , 2022, 22, 2499.	3.8	6
3	Temporal and Spatial Factors Influence Native Forb Emergence More Than Sowing Depth. <i>Rangeland Ecology and Management</i> , 2022, 83, 41-49.	2.3	1
4	To play or not to play? The relationship between active video game play and electrophysiological indices of food-related inhibitory control in adolescents. <i>European Journal of Neuroscience</i> , 2021, 53, 876-894.	2.6	5
5	Does basin wildrye ( <i>Leymus cinereus</i> ) show local adaptation when deployed according to generalized provisional seed zones in the Central Basin and Range ecoregion?. <i>Native Plants Journal</i> , 2021, 22, 112-122.	0.2	0
6	The impact of exercise intensity on neurophysiological indices of food-related inhibitory control and cognitive control: A randomized crossover event-related potential (ERP) study. <i>NeuroImage</i> , 2021, 237, 118162.	4.2	11
7	Modeling sea-level processes on the U.S. Atlantic Coast. <i>Environmetrics</i> , 2020, 31, e2609.	1.4	1
8	Predicting vertical ground reaction force during running using novel piezoresponsive sensors and accelerometry. <i>Journal of Sports Sciences</i> , 2020, 38, 1844-1858.	2.0	14
9	A case study exploring associations between popular media attention of scientific research and scientific citations. <i>PLoS ONE</i> , 2020, 15, e0234912.	2.5	15
10	Evaluating Relationships Between Sleep and Next-Day Physical Activity in Young Women. <i>Journal of Physical Activity and Health</i> , 2020, 17, 874-880.	2.0	2
11	A model for Antarctic surface mass balance and ice core site selection. <i>Environmetrics</i> , 2019, 30, e2579.	1.4	4
12	Connectivity of two species with contrasting dispersal abilities: a test of the isolated tributary hypothesis. <i>Freshwater Science</i> , 2019, 38, 142-155.	1.8	8
13	Functional Data Analyses of Gait Data Measured Using In-Shoe Sensors. <i>Statistics in Biosciences</i> , 2019, 11, 288-313.	1.2	1
14	PETE Teacher Candidates™ Preferred Teaching Styles. <i>Physical Educator: A Magazine for the Profession</i> , 2019, 76, 1247-1265.	0.2	3
15	Using germination prediction to inform seeding potential: II. comparison of germination predictions for cheatgrass and potential revegetation species in the Great Basin, USA. <i>Journal of Arid Environments</i> , 2018, 150, 82-91.	2.4	12
16	Using germination prediction to inform seeding potential: I. Temperature range validation of germination prediction models for the Great Basin, USA. <i>Journal of Arid Environments</i> , 2018, 150, 71-81.	2.4	11
17	A Novel Method to Characterize Walking and Running Energy Expenditure. <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 100-107.	0.8	2
18	Nonstationary Gaussian Process Models Using Spatial Hierarchical Clustering from Finite Differences. <i>Technometrics</i> , 2017, 59, 93-101.	1.9	30

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19	Estimation of 3D Ground Reaction Force Using Nanocomposite Piezo-Responsive Foam Sensors During Walking. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2122-2134.	2.5	28
20	Disparity in neural and subjective responses to food images in women with obesity and normal-weight women. <i>Obesity</i> , 2017, 25, 384-390.	3.0	17
21	Nano-Composite Foam Sensor System in Football Helmets. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2742-2749.	2.5	13
22	Optimally smoothed maps of pollution source potential via particle back-trajectories and filtered kriging. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 153, 1-8.	3.5	1
23	Relationships Between Health-Related Fitness Knowledge, Perceived Competence, Self-Determination, and Physical Activity Behaviors of High School Students. <i>Journal of Teaching in Physical Education</i> , 2016, 35, 27-37.	1.2	18
24	Modeling 3D Ground Reaction Forces During Walking Using Nanocomposite Piezo-Responsive Foam Sensors. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 799.	0.4	0
25	The effects of dating uncertainties on net accumulation estimates from firn cores. <i>Journal of Glaciology</i> , 2015, 61, 163-172.	2.2	5
26	The Second Course in Statistics: Design and Analysis of Experiments?. <i>American Statistician</i> , 2015, 69, 326-333.	1.6	5
27	Objectively Measured Sleep Patterns in Young Adult Women and the Relationship to Adiposity. <i>American Journal of Health Promotion</i> , 2014, 29, 46-54.	1.7	40
28	A Bayesian spatial factor analysis approach for combining climate model ensembles. <i>Environmetrics</i> , 2014, 25, 483-497.	1.4	7
29	An observed negative trend in West Antarctic accumulation rates from 1975 to 2010: Evidence from new observed and simulated records. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4205-4216.	3.3	22
30	Latent Variable Modeling for Integrating Output from Multiple Climate Models. <i>Mathematical Geosciences</i> , 2012, 44, 395-410.	2.4	10
31	Characterizing the statistical properties and interhemispheric distribution of Dansgaard-Oeschger events. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	5
32	Filtered Kriging for Spatial Data with Heterogeneous Measurement Error Variances. <i>Biometrics</i> , 2011, 67, 947-957.	1.4	31
33	Pollution source direction identification: embedding dispersion models to solve an inverse problem. <i>Environmetrics</i> , 2011, 22, 962-974.	1.4	10
34	Incorporating Time-Dependent Source Profiles Using the Dirichlet Distribution in Multivariate Receptor Models. <i>Technometrics</i> , 2010, 52, 67-79.	1.9	10
35	Dirichlet based Bayesian multivariate receptor modeling. <i>Environmetrics</i> , 2008, 19, 618-629.	1.4	32
36	Quantifying and manipulating species influence in positive matrix factorization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 94, 140-148.	3.5	9

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37	Predicting Presidential and Other Multistage Election Outcomes Using State-Level Pre-Election Polls. <i>American Statistician</i> , 2008, 62, 1-10.	1.6	44
38	Apportionment of Ambient Primary and Secondary Fine Particulate Matter at the Pittsburgh National Energy Laboratory Particulate Matter Characterization Site Using Positive Matrix Factorization and a Potential Source Contributions Function Analysis. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 357-368.	1.9	16
39	Impact of Species Uncertainty Perturbation on the Solution Stability of Positive Matrix Factorization of Atmospheric Particulate Matter Data. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6015-6021.	10.0	20
40	Clustering composition vectors using uncertainty information. <i>Environmetrics</i> , 2007, 18, 859-869.	1.4	4
41	Pollution source apportionment using a priori information and positive matrix factorization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 87, 281-294.	3.5	19
42	Predicting local biological characteristics in streams: a comparison of landscape classifications. <i>Freshwater Biology</i> , 2007, 52, 1302-1321.	2.4	33
43	PM source apportionment and health effects: 1. Intercomparison of source apportionment results. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2006, 16, 275-286.	3.9	188
44	PM source apportionment and health effects: 2. An investigation of intermethod variability in associations between source-apportioned fine particle mass and daily mortality in Washington, DC. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2006, 16, 300-310.	3.9	131
45	Iterated confirmatory factor analysis for pollution source apportionment. <i>Environmetrics</i> , 2006, 17, 663-681.	1.4	22
46	A quantitative method for clustering size distributions of elements. <i>Atmospheric Environment</i> , 2005, 39, 1525-1537.	4.1	51
47	Spatio-temporal analysis of auditory cortex activation as detected with silent event related fMRI. <i>Statistics in Medicine</i> , 2005, 24, 2539-2556.	1.6	4
48	Workgroup Report: Workshop on Source Apportionment of Particulate Matter Health Effects—Intercomparison of Results and Implications. <i>Environmental Health Perspectives</i> , 2005, 113, 1768-1774.	6.0	143
49	Silent Functional Magnetic Resonance Imaging (fMRI) of Tonotopicity and Stimulus Intensity Coding in Human Primary Auditory Cortex. <i>Laryngoscope</i> , 2004, 114, 512-518.	2.0	23
50	Measurement error models in chemical mass balance analysis of air quality data. <i>Atmospheric Environment</i> , 2004, 38, 733-744.	4.1	36
51	Chemical mass balance analysis of air quality data when unknown pollution sources are present. <i>Atmospheric Environment</i> , 2004, 38, 4305-4317.	4.1	26
52	Estimating Pollution Source Contributions from Temporally Correlated Air Quality Observations. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2004, 33, 1039-1060.	1.2	0
53	Modeling and prediction for multivariate spatial factor analysis. <i>Journal of Statistical Planning and Inference</i> , 2003, 115, 543-564.	0.6	21
54	Evaluation of auditory cortex activation by using silent FMRI. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2003, 24, 281-289.	1.3	16

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55	Evaluation of cardiac function in active and hibernating grizzly bears. Journal of the American Veterinary Medical Association, 2003, 223, 1170-1175.	0.5	36
56	Accounting for Dependence in a Flexible Multivariate Receptor Model. Technometrics, 2002, 44, 328-337.	1.9	20
57	Latent Variable Analysis of Multivariate Spatial Data. Journal of the American Statistical Association, 2002, 97, 302-317.	3.1	46
58	Echocardiographic and Radiographic Changes Associated with Systemic Hypertension in Cats. Journal of Veterinary Internal Medicine, 2002, 16, 418-425.	1.6	46
59	Generalized Shifted-Factor Analysis Method for Multivariate Geo-Referenced Data. Mathematical Geosciences, 2001, 33, 801-824.	0.9	12
60	Effects of Dietary Potassium Supplementation for Growing Turkeys on Leg Weakness, Plasma Potassium Concentration, and Selected Blood Variables. Poultry Science, 2000, 79, 1120-1126.	3.4	7
61	A comparison of type i error rates and power levels for seven solutions to the multivariate behrens-fisher problem. Communications in Statistics Part B: Simulation and Computation, 1997, 26, 1251-1273.	1.2	29
62	When Your Permutation Test is Doomed to Fail. American Statistician, 0, , 1-11.	1.6	2