

# Fred Godtliebsen

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,496  
citations

304743

22  
h-index

345221

36  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1882  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene paleoceanography and glacial history of the West Spitsbergen area, Euro-Arctic margin. <i>Quaternary Science Reviews</i> , 2004, 23, 2075-2088.	3.0	128
2	Challenges and opportunities beyond structured data in analysis of electronic health records. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2021, 13, e1549.	3.9	82
3	Reinforcement learning application in diabetes blood glucose control: A systematic review. <i>Artificial Intelligence in Medicine</i> , 2020, 104, 101836.	6.5	80
4	Thousand years of winter surface air temperature variations in Svalbard and northern Norway reconstructed from ice-core data. <i>Polar Research</i> , 2011, 30, 7379.	1.6	78
5	Combined Perfusion and Diffusion-Weighted Magnetic Resonance Imaging in a Rat Model of Reversible Middle Cerebral Artery Occlusion. <i>Stroke</i> , 1995, 26, 451-458.	2.0	75
6	Automatic nematode detection in cod fillets ( <i>Gadus morhua</i> L.) by hyperspectral imaging. <i>Journal of Food Engineering</i> , 2012, 111, 675-681.	5.2	63
7	Support Vector Feature Selection for Early Detection of Anastomosis Leakage From Bag-of-Words in Electronic Health Records. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 1404-1415.	6.3	60
8	Multicentennial Variability of the Sea Surface Temperature Gradient across the Subpolar North Atlantic over the Last 2.8 kyr*,+. <i>Journal of Climate</i> , 2012, 25, 4205-4219.	3.2	58
9	Predicting colorectal surgical complications using heterogeneous clinical data and kernel methods. <i>Journal of Biomedical Informatics</i> , 2016, 61, 87-96.	4.3	57
10	EM-estimation and modeling of heavy-tailed processes with the multivariate normal inverse Gaussian distribution. <i>Signal Processing</i> , 2005, 85, 1655-1673.	3.7	54
11	Hyperspectral Imaging for the Detection of Glioblastoma Tumor Cells in H&E Slides Using Convolutional Neural Networks. <i>Sensors</i> , 2020, 20, 1911.	3.8	53
12	Ridge detection with application to automatic fish fillet inspection. <i>Journal of Food Engineering</i> , 2009, 90, 317-324.	5.2	51
13	Performance of a dermoscopy-based computer vision system for the diagnosis of pigmented skin lesions compared with visual evaluation by experienced dermatologists. <i>Artificial Intelligence in Medicine</i> , 2014, 60, 13-26.	6.5	46
14	Mobile Phone-Based Pattern Recognition and Data Analysis for Patients with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 1098-1104.	4.4	39
15	Data-Driven Personalized Feedback to Patients with Type 1 Diabetes: A Randomized Trial. <i>Diabetes Technology and Therapeutics</i> , 2015, 17, 482-489.	4.4	38
16	North Atlantic sea surface temperatures and their relation to the North Atlantic Oscillation during the last 2300 years. <i>Climate Dynamics</i> , 2011, 36, 533-543.	3.8	36
17	Recent advances in hyperspectral imaging for melanoma detection. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2020, 12, e1465.	3.9	31
18	Accumulation variability derived from an ice core from coastal Dronning Maud Land, Antarctica. <i>Annals of Glaciology</i> , 2004, 39, 339-345.	1.4	28

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19	A visual display device for significant features in complicated signals. <i>Computational Statistics and Data Analysis</i> , 2005, 48, 317-343.	1.2	27
20	M-Smoother with local Linear Fit. <i>Journal of Nonparametric Statistics</i> , 2002, 14, 155-168.	0.9	24
21	Sub sea surface temperatures in the Polar North Atlantic during the Holocene: Planktic foraminiferal Mg/Ca temperature reconstructions. <i>Holocene</i> , 2014, 24, 93-103.	1.7	24
22	Bayesian multiscale analysis for time series data. <i>Computational Statistics and Data Analysis</i> , 2006, 51, 1719-1730.	1.2	23
23	Unsupervised segmentation for digital dermoscopic images. <i>Skin Research and Technology</i> , 2010, 16, 401-407.	1.6	19
24	Multiscale spectral analysis for detecting short and long range change points in time series. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 3310-3330.	1.2	18
25	Power law approximations of movement network data for modeling infectious disease spread. <i>Biometrical Journal</i> , 2014, 56, 363-382.	1.0	18
26	Machine Learning in Chronic Pain Research: A Scoping Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3205.	2.5	18
27	Visualization and inference based on wavelet coefficients, SiZer and SiNos. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 5994-6012.	1.2	17
28	Statistical methods for noisy images with discontinuities. <i>Journal of Applied Statistics</i> , 1994, 21, 459-477.	1.3	16
29	A scale-space approach for detecting significant differences between models and observations using global albedo distributions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
30	Non-linear Hypothesis Testing of Geometric Object Properties of Shapes Applied to Hippocampi. <i>Journal of Mathematical Imaging and Vision</i> , 2016, 54, 15-34.	1.3	16
31	On the use of Gibbs priors for Bayesian image restoration. <i>Signal Processing</i> , 1997, 56, 111-118.	3.7	15
32	Assessment of potential transport of pollutants into the Barents Sea via sea ice—an observational approach. <i>Marine Pollution Bulletin</i> , 2002, 44, 861-869.	5.0	15
33	Computer-Aided Decision Support for Melanoma Detection Applied on Melanocytic and Nonmelanocytic Skin Lesions: A Comparison of Two Systems Based on Automatic Analysis of Dermoscopic Images. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	15
34	Comparison of statistical methods in MR imaging. <i>International Journal of Imaging Systems and Technology</i> , 1991, 3, 33-39.	4.1	14
35	Sun-induced migraine attacks in an Arctic population. <i>Cephalalgia</i> , 2011, 31, 992-998.	3.9	13
36	Bayesian multiscale analysis of images modeled as Gaussian Markov random fields. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 49-61.	1.2	13

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37	Soft thresholding schemes for multiple signal classification algorithm. Optics Express, 2020, 28, 34434.	3.4	13
38	Baseline benthic foraminiferal assemblages and habitat conditions in a sub-Arctic region of increasing petroleum development. Marine Environmental Research, 2013, 92, 178-196.	2.5	12
39	Comparison of computer systems and ranking criteria for automatic melanoma detection in dermoscopic images. PLoS ONE, 2017, 12, e0190112.	2.5	11
40	Causality in Scale Space as an Approach to Change Detection. PLoS ONE, 2012, 7, e52253.	2.5	11
41	A computer aided diagnostic system for malignant melanomas. , 2010, , .		10
42	Using anchors from free text in electronic health records to diagnose postoperative delirium. Computer Methods and Programs in Biomedicine, 2017, 152, 105-114.	4.7	10
43	A Scale-space Approach for Detecting Non-stationarities in Time Series. Scandinavian Journal of Statistics, 2008, 35, 119-138.	1.4	9
44	In-Silico Evaluation of Glucose Regulation Using Policy Gradient Reinforcement Learning for Patients with Type 1 Diabetes Mellitus. Applied Sciences (Switzerland), 2020, 10, 6350.	2.5	8
45	The effects of terlipressin and direct portacaval shunting on liver hemodynamics following 80% hepatectomy in the pig. Clinical Science, 2019, 133, 153-166.	4.3	7
46	CONTROLLING BLOOD GLUCOSE LEVELS IN PATIENTS WITH TYPE 1 DIABETES USING FITTED Q-ITERATIONS AND FUNCTIONAL FEATURES. , 2018, , .		5
47	Estimation of the Number of True Gray Levels, Their Values, and Relative Frequencies in a Noisy Image. Journal of the American Statistical Association, 1995, 90, 890-899.	3.1	4
48	Bootstrap resampling feature selection and Support Vector Machine for early detection of Anastomosis Leakage. , 2014, , .		4
49	On hybrid classification using model assisted posterior estimates. Pattern Recognition, 2012, 45, 2288-2298.	8.1	3
50	Instance Segmentation of Microscopic Foraminifera. Applied Sciences (Switzerland), 2021, 11, 6543.	2.5	3
51	Mobile patient applications within diabetes - from few and easy to advanced functionalities. Studies in Health Technology and Informatics, 2013, 192, 1010.	0.3	3
52	Curve-Based Classification Approach for Hyperspectral Dermatologic Data Processing. Sensors, 2021, 21, 680.	3.8	2
53	Finite sample properties of an adaptive density estimator. Journal of Nonparametric Statistics, 2002, 14, 383-398.	0.9	1
54	A novel scale-space approach for multinormality testing and the k-sample problem in the high dimension low sample size scenario. PLoS ONE, 2019, 14, e0211044.	2.5	1

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55	Risk-Averse Food Recommendation Using Bayesian Feedforward Neural Networks for Patients with Type 1 Diabetes Doing Physical Activities. Applied Sciences (Switzerland), 2020, 10, 8037.	2.5	1
56	A Probabilistic Bag-to-Class Approach to Multiple-Instance Learning. Data, 2020, 5, 56.	2.3	0
57	Early Detection of Change by Applying Scale-Space Methodology to Hyperspectral Images. Applied Sciences (Switzerland), 2020, 10, 2298.	2.5	0
58	Data-Driven Robust Control Using Reinforcement Learning. Applied Sciences (Switzerland), 2022, 12, 2262.	2.5	0