

# Fred Godtliebsen

## List of Publications by Year in descending order

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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	Data-Driven Robust Control Using Reinforcement Learning. Applied Sciences (Switzerland), 2022, 12, 2262.	2.5	0
2	Curve-Based Classification Approach for Hyperspectral Dermatologic Data Processing. Sensors, 2021, 21, 680.	3.8	2
3	Challenges and opportunities beyond structured data in analysis of electronic health records. Wiley Interdisciplinary Reviews: Computational Statistics, 2021, 13, e1549.	3.9	82
4	Machine Learning in Chronic Pain Research: A Scoping Review. Applied Sciences (Switzerland), 2021, 11, 3205.	2.5	18
5	Instance Segmentation of Microscopic Foraminifera. Applied Sciences (Switzerland), 2021, 11, 6543.	2.5	3
6	Recent advances in hyperspectral imaging for melanoma detection. Wiley Interdisciplinary Reviews: Computational Statistics, 2020, 12, e1465.	3.9	31
7	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
8	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
9	A Probabilistic Bag-to-Class Approach to Multiple-Instance Learning. Data, 2020, 5, 56.	2.3	0
10	Reinforcement learning application in diabetes blood glucose control: A systematic review. Artificial Intelligence in Medicine, 2020, 104, 101836.	6.5	80
11	Early Detection of Change by Applying Scale-Space Methodology to Hyperspectral Images. Applied Sciences (Switzerland), 2020, 10, 2298.	2.5	0
12	Hyperspectral Imaging for the Detection of Glioblastoma Tumor Cells in H&E Slides Using Convolutional Neural Networks. Sensors, 2020, 20, 1911.	3.8	53
13	Soft thresholding schemes for multiple signal classification algorithm. Optics Express, 2020, 28, 34434.	3.4	13
14	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
15	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
16	CONTROLLING BLOOD GLUCOSE LEVELS IN PATIENTS WITH TYPE 1 DIABETES USING FITTED Q-ITERATIONS AND FUNCTIONAL FEATURES. , 2018, , .		5
17	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
18	Comparison of computer systems and ranking criteria for automatic melanoma detection in dermoscopic images. PLoS ONE, 2017, 12, e0190112.	2.5	11

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19	Predicting colorectal surgical complications using heterogeneous clinical data and kernel methods. <i>Journal of Biomedical Informatics</i> , 2016, 61, 87-96.	4.3	57
20	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
21	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
22	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
23	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
24	Power law approximations of movement network data for modeling infectious disease spread. <i>Biometrical Journal</i> , 2014, 56, 363-382.	1.0	18
25	Bootstrap resampling feature selection and Support Vector Machine for early detection of Anastomosis Leakage. , 2014, , .		4
26	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
27	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
28	Baseline benthic foraminiferal assemblages and habitat conditions in a sub-Arctic region of increasing petroleum development. <i>Marine Environmental Research</i> , 2013, 92, 178-196.	2.5	12
29	Mobile patient applications within diabetes - from few and easy to advanced functionalities. <i>Studies in Health Technology and Informatics</i> , 2013, 192, 1010.	0.3	3
30	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
31	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
32	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
33	On hybrid classification using model assisted posterior estimates. <i>Pattern Recognition</i> , 2012, 45, 2288-2298.	8.1	3
34	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
35	Causality in Scale Space as an Approach to Change Detection. <i>PLoS ONE</i> , 2012, 7, e52253.	2.5	11
36	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

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37	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
38	Sun-induced migraine attacks in an Arctic population. <i>Cephalalgia</i> , 2011, 31, 992-998.	3.9	13
39	Unsupervised segmentation for digital dermoscopic images. <i>Skin Research and Technology</i> , 2010, 16, 401-407.	1.6	19
40	A computer aided diagnostic system for malignant melanomas. , 2010, , .		10
41	Ridge detection with application to automatic fish fillet inspection. <i>Journal of Food Engineering</i> , 2009, 90, 317-324.	5.2	51
42	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
43	A Scale-space Approach for Detecting Non-stationarities in Time Series. <i>Scandinavian Journal of Statistics</i> , 2008, 35, 119-138.	1.4	9
44	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
45	Visualization and inference based on wavelet coefficients, SiZer and SiNos. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 5994-6012.	1.2	17
46	Bayesian multiscale analysis for time series data. <i>Computational Statistics and Data Analysis</i> , 2006, 51, 1719-1730.	1.2	23
47	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
48	A visual display device for significant features in complicated signals. <i>Computational Statistics and Data Analysis</i> , 2005, 48, 317-343.	1.2	27
49	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
50	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
51	M-Smoother with local Linear Fit. <i>Journal of Nonparametric Statistics</i> , 2002, 14, 155-168.	0.9	24
52	Finite sample properties of an adaptive density estimator. <i>Journal of Nonparametric Statistics</i> , 2002, 14, 383-398.	0.9	1
53	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
54	On the use of Gibbs priors for Bayesian image restoration. <i>Signal Processing</i> , 1997, 56, 111-118.	3.7	15

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55	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
56	Combined Perfusion and Diffusion-Weighted Magnetic Resonance Imaging in a Rat Model of Reversible Middle Cerebral Artery Occlusion. Stroke, 1995, 26, 451-458.	2.0	75
57	Statistical methods for noisy images with discontinuities. Journal of Applied Statistics, 1994, 21, 459-477.	1.3	16
58	Comparison of statistical methods in MR imaging. International Journal of Imaging Systems and Technology, 1991, 3, 33-39.	4.1	14