

# Hsin-Cheng Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,635  
citations

361045

20  
h-index

315357

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classes of Nonseparable, Spatio-Temporal Stationary Covariance Functions. Journal of the American Statistical Association, 1999, 94, 1330-1339.	1.8	470
2	Spatio-temporal prediction of snow water equivalent using the Kalman filter. Computational Statistics and Data Analysis, 1996, 22, 159-175.	0.7	118
3	Classes of Nonseparable, Spatio-Temporal Stationary Covariance Functions. , 0, .		100
4	Grouping Pursuit Through a Regularization Solution Surface. Journal of the American Statistical Association, 2010, 105, 727-739.	1.8	90
5	Fast, Resolution-Consistent Spatial Prediction of Global Processes From Satellite Data. Journal of Computational and Graphical Statistics, 2002, 11, 63-88.	0.9	81
6	Modeling spatial-temporal binary data using Markov random fields. Journal of Agricultural, Biological, and Environmental Statistics, 2005, 10, 212-225.	0.7	58
7	Optimal Model Assessment, Selection, and Combination. Journal of the American Statistical Association, 2006, 101, 554-568.	1.8	52
8	CONTRIBUTION OF ENDOTOXIN IN MACROPHAGE CYTOKINE RESPONSE TO AMBIENT PARTICLES IN VITRO. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2002, 65, 1261-1272.	1.1	51
9	Nonparametric Hypothesis Testing for a Spatial Signal. Journal of the American Statistical Association, 2002, 97, 1122-1140.	1.8	51
10	On Selection of Spatial Linear Models for Lattice Data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2010, 72, 389-402.	1.1	45
11	Inference After Model Selection. Journal of the American Statistical Association, 2004, 99, 751-762.	1.8	44
12	Optimal Geostatistical Model Selection. Journal of the American Statistical Association, 2007, 102, 1009-1024.	1.8	42
13	Dynamic multi-resolution spatial models. Environmental and Ecological Statistics, 2007, 14, 5-25.	1.9	41
14	Modeling transport effects on ground-level ozone using a non-stationary space-time model. Environmetrics, 2004, 15, 251-268.	0.6	34
15	Resolution Adaptive Fixed Rank Kriging. Technometrics, 2018, 60, 198-208.	1.3	34
16	Deterministic/Stochastic Wavelet Decomposition for Recovery of Signal From Noisy Data. Technometrics, 2000, 42, 262-276.	1.3	33
17	Spatial Lasso With Applications to GIS Model Selection. Journal of Computational and Graphical Statistics, 2010, 19, 963-983.	0.9	30
18	Simultaneous supervised clustering and feature selection over a graph. Biometrika, 2012, 99, 899-914.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Adaptive Model Selection and Assessment for Exponential Family Distributions. <i>Technometrics</i> , 2004, 46, 306-317.	1.3	27
20	Model comparison and selection for stationary space-time models. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 4577-4596.	0.7	27
21	A Fast, Optimal Spatial-Prediction Method for Massive Datasets. <i>Journal of the American Statistical Association</i> , 2005, 100, 1343-1357.	1.8	22
22	Regularized Principal Component Analysis for Spatial Data. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 14-25.	0.9	19
23	A new approach for selecting the number of factors. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 2990-2998.	0.7	15
24	Semiparametric Estimation and Selection for Nonstationary Spatial Covariance Functions. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 117-139.	0.9	15
25	Multiscale Graphical Modeling in Space: Applications to Command and Control. <i>Lecture Notes in Statistics</i> , 2001, , 83-113.	0.1	13
26	Data Adaptive Median Filters for Signal and Image Denoising Using a Generalized SURE Criterion. <i>IEEE Signal Processing Letters</i> , 2006, 13, 561-564.	2.1	12
27	Fixed and random effects selection in nonparametric additive mixed models. <i>Electronic Journal of Statistics</i> , 2012, 6, .	0.4	11
28	Geostatistical model averaging based on conditional information criteria. <i>Environmental and Ecological Statistics</i> , 2012, 19, 23-35.	1.9	11
29	A group lasso approach for nonstationary spatial-temporal covariance estimation. <i>Environmetrics</i> , 2012, 23, 12-23.	0.6	11
30	Real-time PM <sub>2.5</sub> mapping and anomaly detection from AirBoxes in Taiwan. <i>Environmetrics</i> , 2018, 29, e2537.	0.6	11
31	An improved Cp criterion for spline smoothing. <i>Journal of Statistical Planning and Inference</i> , 2011, 141, 445-452.	0.4	8
32	Mixed domain asymptotics for a stochastic process model with time trend and measurement error. <i>Bernoulli</i> , 2017, 23, .	0.7	8
33	Asymptotic theory of generalized information criterion for geostatistical regression model selection. <i>Annals of Statistics</i> , 2014, 42, .	1.4	6
34	Matrix Autoregressive Spatio-Temporal Models. <i>Journal of Computational and Graphical Statistics</i> , 2021, 30, 1143-1155.	0.9	3
35	Regularized spatial maximum covariance analysis. <i>Environmetrics</i> , 2018, 29, e2481.	0.6	2
36	Vector Autoregressive Models with Spatially Structured Coefficients for Time Series on a Spatial Grid. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2021, 26, 387-408.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Spatially varying coefficient models using reduced-rank thin-plate splines. <i>Spatial Statistics</i> , 2022, 51, 100654.	0.9	2
38	Inference of random effects for linear mixed-effects models with a fixed number of clusters. <i>Annals of the Institute of Statistical Mathematics</i> , 2022, 74, 1143-1161.	0.5	2
39	Stabilized thresholding with generalized sure for image denoising. , 2010, , .		1
40	Testing Independence Between Two Spatial Random Fields. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2021, 26, 161-179.	0.7	1
41	High-dimensional covariance estimation under the presence of outliers. <i>Statistics and Its Interface</i> , 2016, 9, 461-468.	0.2	1
42	Discussion of "From Fixed-X to Random-X Regression: Bias-Variance Decompositions, Covariance Penalties, and Prediction Error Estimation" Journal of the American Statistical Association, 2020, 115, 152-156.	1.8	0
43	False Discovery Rates to Detect Signals from Incomplete Spatially Aggregated Data. <i>Journal of Computational and Graphical Statistics</i> , 0, , 1-14.	0.9	0
44	Nonstationary Spatial Modeling Using Penalized Likelihood. <i>Statistica Sinica</i> , 2013, , .	0.2	0
45	Non-stationary Multivariate Spatial Covariance Estimation via Low-Rank Regularization. <i>Statistica Sinica</i> , 2014, , .	0.2	0
46	Intensity estimation of spatial point processes based on area-aggregated data. <i>Japanese Journal of Statistics and Data Science</i> , 2020, 3, 413-428.	0.7	0