

Jos M Angulo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

906
citations

17
h-index

25
g-index

91
ext. papers

997
ext. citations

1.9
avg, IF

4.06
L-index

#	Paper	IF	Citations
84	InfiniteDimensional Divergence Information Analysis. <i>Studies in Systems, Decision and Control</i> , 2023 , 147-157	0.8	
83	Information and complexity analysis of spatial data. <i>Spatial Statistics</i> , 2021 , 42, 100462	2.2	2
82	Divergence-Based Risk Measures: A Discussion on Sensitivities and Extensions. <i>Entropy</i> , 2019 , 21,	2.8	2
81	Quantile-based spatiotemporal risk assessment of exceedances. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 2275-2291	3.5	2
80	Stability analysis in nonstationary spatial covariance estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 815-828	3.5	3
79	Multifractal complexity analysis in space-time based on the generalized dimensions derivatives. <i>Spatial Statistics</i> , 2017 , 22, 469-480	2.2	3
78	Space-Time Metric Determination in Environmental Modeling. <i>Journal of Environmental Informatics</i> , 2017 ,	3	2
77	New compactly supported spatiotemporal covariance functions from SPDEs. <i>Statistical Methods and Applications</i> , 2016 , 25, 125-141	0.8	2
76	Dependence Assessment Based on Generalized Relative Complexity: Application to Sampling Network Design. <i>Methodology and Computing in Applied Probability</i> , 2016 , 18, 921-933	0.6	3
75	Point Pattern Analysis of Spatial Deformation and Blurring Effects on Exceedances. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016 , 21, 512-530	1.9	2
74	Least-Squares Estimation of Multifractional Random Fields in a Hilbert-Valued Context. <i>Journal of Optimization Theory and Applications</i> , 2015 , 167, 888-911	1.6	1
73	Non-extensive analysis of the seismic activity involving the 2011 volcanic eruption in El Hierro. <i>Spatial Statistics</i> , 2015 , 14, 208-221	2.2	5
72	Multifractal Dimensional Dependence Assessment Based on Tsallis Mutual Information. <i>Entropy</i> , 2015 , 17, 5382-5401	2.8	19
71	A multi-criteria Police Districting Problem for the efficient and effective design of patrol sector. <i>European Journal of Operational Research</i> , 2015 , 246, 674-684	5.6	49
70	A deformation/blurring-based spatio-temporal model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1061-1073	3.5	3
69	Structural complexity in space-time seismic event data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1187-1206	3.5	10
68	An online spatiotemporal prediction model for dengue fever epidemic in Kaohsiung (Taiwan). <i>Biometrical Journal</i> , 2014 , 56, 428-40	1.5	16

67	Statistical Complexity Analysis of Spatiotemporal Dynamics. <i>Lecture Notes in Earth System Sciences</i> , 2014 , 185-188	0.4	
66	Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 815-31	3.1	12
65	Spatiotemporal infectious disease modeling: a BME-SIR approach. <i>PLoS ONE</i> , 2013 , 8, e72168	3.7	27
64	Spatial threshold exceedance analysis through marked point processes. <i>Environmetrics</i> , 2012 , 23, 108-118	3.3	5
63	Effect of Data Transformations on Predictive Risk Indicators. <i>Methodology and Computing in Applied Probability</i> , 2012 , 14, 705-716	0.6	2
62	Modeling of space-time infectious disease spread under conditions of uncertainty. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1751-1772	4.1	17
61	Random Fields with Multifractional Regularity Order on Heterogenous Fractal Domains. <i>Stochastic Analysis and Applications</i> , 2012 , 30, 849-864	1.1	1
60	Entropy-based correlated shrinkage of spatial random processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 389-402	3.5	3
59	Multifractional Random Systems on Fractal Domains. <i>Understanding Complex Systems</i> , 2011 , 357-378	0.4	
58	Multifractional Markov Processes in Heterogeneous Domains. <i>Stochastic Analysis and Applications</i> , 2010 , 29, 15-47	1.1	6
57	The effect of nested grid sampling on the parameter estimation of a spatial Gompertz diffusion. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 539-546	3.5	1
56	Structural analysis of spatio-temporal threshold exceedances. <i>Environmetrics</i> , 2009 , 21, 415-438	1.3	7
55	A length-biased version of the Birnbaum-Saunders distribution with application in water quality. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 299-307	3.5	50
54	A latent class MDS model with spatial constraints for non-stationary spatial covariance estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 769-779	3.5	14
53	Parameter Estimation of Self-Similar Spatial Covariogram Models. <i>Communications in Statistics - Theory and Methods</i> , 2008 , 37, 1011-1023	0.5	2
52	Spectral-Marginal-Based Estimation of Spatiotemporal Long-Range Dependence. <i>Communications in Statistics - Theory and Methods</i> , 2008 , 38, 103-114	0.5	5
51	Comments on: Assessing probabilistic forecasts of multivariate quantities, with an application to ensemble predictions of surface winds. <i>Test</i> , 2008 , 17, 236-237	1.1	
50	Non-stationary spatial covariance structure estimation in oversampled domains by cluster differences scaling with spatial constraints. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008 , 22, 95-106	3.5	16

49	Multifractality in space-time statistical models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008 , 22, 81-86	3.5	13
48	Spatiotemporal random fields associated with stochastic fractional Helmholtz and heat equations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008 , 22, 3-13	3.5	6
47	Semiparametric estimation of spatial long-range dependence. <i>Journal of Statistical Planning and Inference</i> , 2008 , 138, 1479-1495	0.8	12
46	Functional estimation of spatiotemporal heterogeneities. <i>Environmetrics</i> , 2007 , 18, 775-792	1.3	6
45	Kalman filtering from POP-based diagonalization of ARH(1). <i>Computational Statistics and Data Analysis</i> , 2007 , 51, 4994-5008	1.6	9
44	Prediction and Conditional Simulation of a 2D Lognormal Diffusion Random Field. <i>Methodology and Computing in Applied Probability</i> , 2007 , 9, 413-423	0.6	2
43	Wavelet-vaguelette decomposition of spatiotemporal random fields. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007 , 21, 273-281	3.5	5
42	Synthesis of image deformation strategies. <i>Image and Vision Computing</i> , 2006 , 24, 1-12	3.7	5
41	Spatiotemporal generation of long-range dependence models and estimation. <i>Environmetrics</i> , 2006 , 17, 139-146	1.3	7
40	Spatial and Spatiotemporal Karhunen-Loève-Type Representations on Fractal Domains. <i>Stochastic Analysis and Applications</i> , 2006 , 24, 195-219	1.1	6
39	Estimation of intrinsic processes affected by additive fractal noise. <i>Journal of Multivariate Analysis</i> , 2006 , 97, 1361-1381	1.4	7
38	Multifractional Probabilistic Laws 2006 , 143-153		
37	Fractional kinetic equations driven by Gaussian or infinitely divisible noise. <i>Advances in Applied Probability</i> , 2005 , 37, 366-392	0.7	15
36	Diffusion on multifractals. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005 , 63, e2043-e2056	1.3	12
35	A study on sensitivity of spatial sampling designs to a priori discretization schemes. <i>Environmental Modelling and Software</i> , 2005 , 20, 891-902	5.2	3
34	Generalized approaches to spatial sampling design. <i>Environmetrics</i> , 2005 , 16, 523-534	1.3	11
33	Joint estimation of spatial deformation and blurring in environmental data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005 , 19, 1-7	3.5	7
32	Estimation and prediction of a 2D lognormal diffusion random field. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005 , 19, 258-265	3.5	4

31	Fractional Generalized Random Fields of Variable Order. <i>Stochastic Analysis and Applications</i> , 2004 , 22, 775-799	1.1	46
30	FRACTIONAL RANDOM FIELDS ON DOMAINS WITH FRACTAL BOUNDARY. <i>Infinite Dimensional Analysis, Quantum Probability and Related Topics</i> , 2004 , 07, 395-417	0.6	14
29	Wavelet-based functional reconstruction and extrapolation of fractional random fields. <i>Test</i> , 2004 , 13, 417-444	1.1	3
28	Multiscale estimation of processes related to the fractional Black-Scholes equation. <i>Computational Statistics</i> , 2003 , 18, 401-415	1	1
27	Fractional-order regularization and wavelet approximation to the inverse estimation problem for random fields. <i>Journal of Multivariate Analysis</i> , 2003 , 85, 192-216	1.4	19
26	Functional stochastic modeling and prediction of spatiotemporal processes. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		8
25	Fractional Generalized Random Fields on Bounded Domains. <i>Stochastic Analysis and Applications</i> , 2003 , 21, 465-492	1.1	41
24	Spatio-temporal filtering using wavelets. <i>Stochastic Environmental Research and Risk Assessment</i> , 2002 , 16, 241-266	3.5	17
23	Stochastic fractional-order differential models with fractal boundary conditions. <i>Statistics and Probability Letters</i> , 2001 , 54, 47-60	0.6	20
22	Scaling limit solution of a fractional Burgers equation. <i>Stochastic Processes and Their Applications</i> , 2001 , 93, 285-300	1.1	20
21	Random perturbation methods applied to multivariate spatial sampling design. <i>Environmetrics</i> , 2001 , 12, 631-646	1.3	26
20	Application of Hilbert-Space Methods to Random Field Modelling and Estimation. <i>American Journal of Mathematical and Management Sciences</i> , 2001 , 21, 263-282	0.6	
19	DIFFERENTIAL REPRESENTATION AND MARKOV PROPERTY OF GENERALIZED RANDOM FIELDS. <i>Stochastic Analysis and Applications</i> , 2001 , 19, 481-498	1.1	4
18	Fractional diffusion and fractional heat equation. <i>Advances in Applied Probability</i> , 2000 , 32, 1077-1099	0.7	47
17	The Wiener-Hopf integral equation for fractional Riesz-Bessel motion. <i>ANZIAM Journal</i> , 2000 , 42, 41-54	0.5	1
16	Covariance factorisation and abstract representation of generalised random fields. <i>Bulletin of the Australian Mathematical Society</i> , 2000 , 62, 319-334	0.4	8
15	A study on sampling design for optimal prediction of space-time stochastic processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2000 , 14, 412-427	3.5	19
14	Estimation and filtering of fractional generalised random fields. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 2000 , 69, 336-361		16

13	Fractional diffusion and fractional heat equation 2000 , 32, 1077-1099		36
12	Optimal Spatial Sampling Design in a Multivariate Framework. <i>Mathematical Geosciences</i> , 1999 , 31, 507-525		17
11	Multi-resolution approximation to the stochastic inverse problem. <i>Advances in Applied Probability</i> , 1999 , 31, 1039-1057	0.7	2
10	Multi-resolution approximation to the stochastic inverse problem. <i>Advances in Applied Probability</i> , 1999 , 31, 1039-1057	0.7	18
9	Criteria for Multivariate Spatial Sampling Design Based on Covariance Matrix Perturbation. <i>Quantitative Geology and Geostatistics</i> , 1999 , 491-502		2
8	A state-space model approach to optimum spatial sampling design based on entropy. <i>Environmental and Ecological Statistics</i> , 1998 , 5, 29-44	2.2	34
7	Semi-parametric statistical approaches for space-time process prediction. <i>Environmental and Ecological Statistics</i> , 1998 , 5, 297-316	2.2	15
6	Long-range dependence and second-order intermittency of two dimensional turbulence. <i>Environmental Modelling and Software</i> , 1998 , 13, 233-238	5.2	9
5	A series expansion approach to the inverse problem. <i>Journal of Applied Probability</i> , 1998 , 35, 371-382	0.8	2
4	A series expansion approach to the inverse problem. <i>Journal of Applied Probability</i> , 1998 , 35, 371-382	0.8	2
3	The Gaussian distribution revisited. <i>Advances in Applied Probability</i> , 1996 , 28, 500-524	0.7	11
2	Inference in lognormal multidimensional diffusion processes with exogenous factors: Application to modelling in economics. <i>Applied Stochastic Models and Data Analysis</i> , 1991 , 7, 295-316		13
1	Space-Time Adaptive Sampling and Data Transformations 231-248		