

# JosÃ© M Angulo

## List of Publications by Year in descending order

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87  
papers

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430843

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91  
docs citations

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times ranked

624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infinite-Dimensional Divergence Information Analysis. <i>Studies in Systems, Decision and Control</i> , 2023, , 147-157.	1.0	1
2	A Spatially Correlated Model with Generalized Autoregressive Conditionally Heteroskedastic Structure for Counts of Crimes. <i>Entropy</i> , 2022, 24, 892.	2.2	3
3	Information and complexity analysis of spatial data. <i>Spatial Statistics</i> , 2021, 42, 100462.	1.9	6
4	Structural Complexity and Informational Transfer in Spatial Log-Gaussian Cox Processes. <i>Entropy</i> , 2021, 23, 1135.	2.2	1
5	Divergence-Based Risk Measures: A Discussion on Sensitivities and Extensions. <i>Entropy</i> , 2019, 21, 634.	2.2	3
6	Quantile-based spatiotemporal risk assessment of exceedances. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2275-2291.	4.0	4
7	Stability analysis in nonstationary spatial covariance estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 815-828.	4.0	5
8	Multifractal complexity analysis in space-time based on the generalized dimensions derivatives. <i>Spatial Statistics</i> , 2017, 22, 469-480.	1.9	7
9	Space-Time Metric Determination in Environmental Modeling. <i>Journal of Environmental Informatics</i> , 2017, , .	6.0	4
10	Dependence Assessment Based on Generalized Relative Complexity: Application to Sampling Network Design. <i>Methodology and Computing in Applied Probability</i> , 2016, 18, 921-933.	1.2	4
11	Point Pattern Analysis of Spatial Deformation and Blurring Effects on Exceedances. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016, 21, 512-530.	1.4	3
12	New compactly supported spatiotemporal covariance functions from SPDEs. <i>Statistical Methods and Applications</i> , 2016, 25, 125-141.	1.2	4
13	Non-extensive analysis of the seismic activity involving the 2011 volcanic eruption in El Hierro. <i>Spatial Statistics</i> , 2015, 14, 208-221.	1.9	5
14	Multifractal Dimensional Dependence Assessment Based on Tsallis Mutual Information. <i>Entropy</i> , 2015, 17, 5382-5401.	2.2	21
15	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.	5.7	71
16	Least-Squares Estimation of Multifractional Random Fields in a Hilbert-Valued Context. <i>Journal of Optimization Theory and Applications</i> , 2015, 167, 888-911.	1.5	2
17	An online spatiotemporal prediction model for dengue fever epidemic in $K$ ( $T$ aiwan). <i>Biometrical Journal</i> , 2014, 56, 428-440.	1.0	21
18	A deformation/blurring-based spatio-temporal model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1061-1073.	4.0	4

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19	Structural complexity in space-time seismic event data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1187-1206.	4.0	12
20	Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 815-831.	2.7	14
21	Spatiotemporal Infectious Disease Modeling: A BME-SIR Approach. <i>PLoS ONE</i> , 2013, 8, e72168.	2.5	33
22	Effect of Data Transformations on Predictive Risk Indicators. <i>Methodology and Computing in Applied Probability</i> , 2012, 14, 705-716.	1.2	2
23	Modeling of space-time infectious disease spread under conditions of uncertainty. <i>International Journal of Geographical Information Science</i> , 2012, 26, 1751-1772.	4.8	22
24	Random Fields with Multifractional Regularity Order on Heterogenous Fractal Domains. <i>Stochastic Analysis and Applications</i> , 2012, 30, 849-864.	1.5	1
25	Spatial threshold exceedance analysis through marked point processes. <i>Environmetrics</i> , 2012, 23, 108-118.	1.4	7
26	Entropy-based correlated shrinkage of spatial random processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011, 25, 389-402.	4.0	3
27	Multifractional Random Systems on Fractal Domains. <i>Understanding Complex Systems</i> , 2011, , 357-378.	0.6	0
28	Structural analysis of spatio-temporal threshold exceedances. <i>Environmetrics</i> , 2010, 21, 415-438.	1.4	11
29	The effect of nested grid sampling on the parameter estimation of a spatial Compertz diffusion. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 539-546.	4.0	1
30	Multifractional Markov Processes in Heterogeneous Domains. <i>Stochastic Analysis and Applications</i> , 2010, 29, 15-47.	1.5	6
31	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.	4.0	56
32	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.	4.0	18
33	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	0
34	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.	4.0	18
35	Spatio-temporal modeling of environmental and health processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 1-2.	4.0	13
36	Multifractality in space-time statistical models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 81-86.	4.0	14

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37	Spatiotemporal random fields associated with stochastic fractional Helmholtz and heat equations. Stochastic Environmental Research and Risk Assessment, 2008, 22, 3-13.	4.0	8
38	Semiparametric estimation of spatial long-range dependence. Journal of Statistical Planning and Inference, 2008, 138, 1479-1495.	0.6	13
39	Parameter Estimation of Self-Similar Spatial Covariogram Models. Communications in Statistics - Theory and Methods, 2008, 37, 1011-1023.	1.0	2
40	Spectral-Marginal-Based Estimation of Spatiotemporal Long-Range Dependence. Communications in Statistics - Theory and Methods, 2008, 38, 103-114.	1.0	6
41	Functional estimation of spatiotemporal heterogeneities. Environmetrics, 2007, 18, 775-792.	1.4	7
42	Kalman filtering from POP-based diagonalization of ARH(1). Computational Statistics and Data Analysis, 2007, 51, 4994-5008.	1.2	11
43	Prediction and Conditional Simulation of a 2D Lognormal Diffusion Random Field. Methodology and Computing in Applied Probability, 2007, 9, 413-423.	1.2	3
44	Wavelet-vaguelette decomposition of spatiotemporal random fields. Stochastic Environmental Research and Risk Assessment, 2007, 21, 273-281.	4.0	7
45	Wavelet orthogonal approximation of fractional generalized random fields on bounded domains. Theory of Probability and Mathematical Statistics, 2007, 73, 1-17.	0.5	1
46	Likelihood Ratio Tests and Applications in 2D Lognormal Diffusions. , 2007, , .		0
47	Estimation of intrinsic processes affected by additive fractal noise. Journal of Multivariate Analysis, 2006, 97, 1361-1381.	1.0	10
48	Synthesis of image deformation strategies. Image and Vision Computing, 2006, 24, 1-12.	4.5	10
49	Spatiotemporal generation of long-range dependence models and estimation. Environmetrics, 2006, 17, 139-146.	1.4	8
50	Spatial and Spatiotemporal Karhunen-Loève-Type Representations on Fractal Domains. Stochastic Analysis and Applications, 2006, 24, 195-219.	1.5	7
51	Multifractional Probabilistic Laws. , 2006, , 143-153.		0
52	Fractional kinetic equations driven by Gaussian or infinitely divisible noise. Advances in Applied Probability, 2005, 37, 366-392.	0.7	19
53	Diffusion on multifractals. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, e2043-e2056.	1.1	16
54	A study on sensitivity of spatial sampling designs to a priori discretization schemes. Environmental Modelling and Software, 2005, 20, 891-902.	4.5	5

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55	Generalized approaches to spatial sampling design. <i>Environmetrics</i> , 2005, 16, 523-534.	1.4	13
56	Joint estimation of spatial deformation and blurring in environmental data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 1-7.	4.0	8
57	Estimation and prediction of a 2D lognormal diffusion random field. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 258-265.	4.0	6
58	Fractional Generalized Random Fields of Variable Order. <i>Stochastic Analysis and Applications</i> , 2004, 22, 775-799.	1.5	57
59	FRACTIONAL RANDOM FIELDS ON DOMAINS WITH FRACTAL BOUNDARY. <i>Infinite Dimensional Analysis, Quantum Probability and Related Topics</i> , 2004, 07, 395-417.	0.5	15
60	Wavelet-based functional reconstruction and extrapolation of fractional random fields. <i>Test</i> , 2004, 13, 417-444.	1.1	3
61	Fractional-order regularization and wavelet approximation to the inverse estimation problem for random fields. <i>Journal of Multivariate Analysis</i> , 2003, 85, 192-216.	1.0	24
62	Functional stochastic modeling and prediction of spatiotemporal processes. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	8
63	Fractional Generalized Random Fields on Bounded Domains. <i>Stochastic Analysis and Applications</i> , 2003, 21, 465-492.	1.5	44
64	Multiscale estimation of processes related to the fractional Black-Scholes equation. <i>Computational Statistics</i> , 2003, 18, 401-415.	1.5	1
65	Spatio-temporal filtering using wavelets. <i>Stochastic Environmental Research and Risk Assessment</i> , 2002, 16, 241-266.	4.0	19
66	DIFFERENTIAL REPRESENTATION AND MARKOV PROPERTY OF GENERALIZED RANDOM FIELDS. <i>Stochastic Analysis and Applications</i> , 2001, 19, 481-498.	1.5	4
67	Stochastic fractional-order differential models with fractal boundary conditions. <i>Statistics and Probability Letters</i> , 2001, 54, 47-60.	0.7	25
68	Scaling limit solution of a fractional Burgers equation. <i>Stochastic Processes and Their Applications</i> , 2001, 93, 285-300.	0.9	23
69	Random perturbation methods applied to multivariate spatial sampling design. <i>Environmetrics</i> , 2001, 12, 631-646.	1.4	30
70	Application of Hilbert-Space Methods to Random Field Modelling and Estimation. <i>American Journal of Mathematical and Management Sciences</i> , 2001, 21, 263-282.	0.9	0
71	Fractional diffusion and fractional heat equation. , 2000, 32, 1077-1099.		47
72	Fractional diffusion and fractional heat equation. <i>Advances in Applied Probability</i> , 2000, 32, 1077-1099.	0.7	57

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73	The Wiener-Hopf integral equation for fractional Riesz-Bessel motion. ANZIAM Journal, 2000, 42, 41-54.	0.2	2
74	Covariance factorisation and abstract representation of generalised random fields. Bulletin of the Australian Mathematical Society, 2000, 62, 319-334.	0.5	9
75	A study on sampling design for optimal prediction of space-time stochastic processes. Stochastic Environmental Research and Risk Assessment, 2000, 14, 412-427.	4.0	20
76	Estimation and filtering of fractional generalised random fields. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 2000, 69, 336-361.	0.3	17
77	Optimal Spatial Sampling Design in a Multivariate Framework. Mathematical Geosciences, 1999, 31, 507-525.	0.9	24
78	Multi-resolution approximation to the stochastic inverse problem. Advances in Applied Probability, 1999, 31, 1039-1057.	0.7	2
79	Multi-resolution approximation to the stochastic inverse problem. Advances in Applied Probability, 1999, 31, 1039-1057.	0.7	22
80	Criteria for Multivariate Spatial Sampling Design Based on Covariance Matrix Perturbation. Quantitative Geology and Geostatistics, 1999, , 491-502.	0.1	3
81	A state-space model approach to optimum spatial sampling design based on entropy. Environmental and Ecological Statistics, 1998, 5, 29-44.	3.5	39
82	Semi-parametric statistical approaches for space-time process prediction. Environmental and Ecological Statistics, 1998, 5, 297-316.	3.5	17
83	Long-range dependence and second-order intermittency of two dimensional turbulence. Environmental Modelling and Software, 1998, 13, 233-238.	4.5	10
84	A series expansion approach to the inverse problem. Journal of Applied Probability, 1998, 35, 371-382.	0.7	3
85	A series expansion approach to the inverse problem. Journal of Applied Probability, 1998, 35, 371-382.	0.7	5
86	The Gaussian distribution revisited. Advances in Applied Probability, 1996, 28, 500-524.	0.7	12
87	Inference in lognormal multidimensional diffusion processes with exogenous factors: Application to modelling in economics. Applied Stochastic Models and Data Analysis, 1991, 7, 295-316.	0.4	14