

George Christakos

List of Publications by Year in descending order

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187
papers

7,015
citations

81889

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docs citations

196
times ranked

4645
citing authors

#	ARTICLE	IF	CITATIONS
1	Geographical Detectors-Based Health Risk Assessment and its Application in the Neural Tube Defects Study of the Heshun Region, China. <i>International Journal of Geographical Information Science</i> , 2010, 24, 107-127.	4.8	1,510
2	Multiphase flow and transport modeling in heterogeneous porous media: challenges and approaches. <i>Advances in Water Resources</i> , 1998, 21, 77-120.	3.8	263
3	A Bayesian/maximum-entropy view to the spatial estimation problem. <i>Mathematical Geosciences</i> , 1990, 22, 763-777.	0.9	261
4	On the Problem of Permissible Covariance and Variogram Models. <i>Water Resources Research</i> , 1984, 20, 251-265.	4.2	218
5	Space-time quantitative source apportionment of soil heavy metal concentration increments. <i>Environmental Pollution</i> , 2017, 223, 560-566.	7.5	121
6	Methods for generating non-separable spatiotemporal covariance models with potential environmental applications. <i>Advances in Water Resources</i> , 2004, 27, 815-830.	3.8	119
7	BME analysis of spatiotemporal particulate matter distributions in North Carolina. <i>Atmospheric Environment</i> , 2000, 34, 3393-3406.	4.1	116
8	Bayesian Maximum Entropy Analysis and Mapping: A Farewell to Kriging Estimators?. <i>Mathematical Geosciences</i> , 1998, 30, 435-462.	0.9	108
9	Hand, foot and mouth disease: spatiotemporal transmission and climate. <i>International Journal of Health Geographics</i> , 2011, 10, 25.	2.5	101
10	Modern geostatistics: computational BME analysis in the light of uncertain physical knowledge - the Equus Beds study. <i>Stochastic Environmental Research and Risk Assessment</i> , 1999, 13, 1-26.	4.0	99
11	Interactive spatiotemporal modelling of health systems: the SEKS GUI framework. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007, 21, 555-572.	4.0	95
12	Improved heavy metal mapping and pollution source apportionment in Shanghai City soils using auxiliary information. <i>Science of the Total Environment</i> , 2019, 661, 168-177.	8.0	94
13	Influence of planting patterns on fluoroquinolone residues in the soil of an intensive vegetable cultivation area in northern China. <i>Science of the Total Environment</i> , 2013, 458-460, 63-69.	8.0	91
14	Beyond mere pollution source identification: Determination of land covers emitting soil heavy metals by combining PCA/APCS, GeoDetector and GIS analysis. <i>Catena</i> , 2020, 185, 104297.	5.0	87
15	A spatio-temporal climate-based model of early dengue fever warning in southern Taiwan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011, 25, 485-494.	4.0	85
16	Estimation of Citywide Air Pollution in Beijing. <i>PLoS ONE</i> , 2013, 8, e53400.	2.5	84
17	Spatial analysis and mapping of sexually transmitted diseases to optimise intervention and prevention strategies. <i>Sexually Transmitted Infections</i> , 2004, 80, 294-299.	1.9	83
18	Assessment of soil heavy metal pollution using stochastic site indicators. <i>Geoderma</i> , 2019, 337, 359-367.	5.1	83

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19	Spatiotemporal Environmental Health Modelling: A Tractatus Stochasticus. , 1998, , .		78
20	Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 4167-4174.	6.3	76
21	On certain classes of spatiotemporal random fields with applications to space-time data processing. IEEE Transactions on Systems, Man, and Cybernetics, 1991, 21, 861-875.	0.9	75
22	Recent results on the spatiotemporal modelling and comparative analysis of Black Death and bubonic plague epidemics. Public Health, 2007, 121, 700-720.	2.9	72
23	Spatiotemporal information systems in soil and environmental sciences. Geoderma, 1998, 85, 141-179.	5.1	67
24	On the assimilation of uncertain physical knowledge bases: Bayesian and non-Bayesian techniques. Advances in Water Resources, 2002, 25, 1257-1274.	3.8	61
25	Spatiotemporal Characterization of Ambient PM _{2.5} Concentrations in Shandong Province (China). Environmental Science & Technology, 2015, 49, 13431-13438.	10.0	59
26	An Application of the Holistochastic Human Exposure Methodology to Naturally Occurring Arsenic in Bangladesh Drinking Water. Risk Analysis, 2003, 23, 515-528.	2.7	55
27	The association between heavy metal soil pollution and stomach cancer: a case study in Hangzhou City, China. Environmental Geochemistry and Health, 2018, 40, 2481-2490.	3.4	55
28	Space-time chlorophyll-a retrieval in optically complex waters that accounts for remote sensing and modeling uncertainties and improves remote estimation accuracy. Water Research, 2020, 171, 115403.	11.3	54
29	Spatiotemporal modelling of ozone distribution in the State of California. Atmospheric Environment, 2009, 43, 2471-2480.	4.1	53
30	BME Estimation of Residential Exposure to Ambient PM ₁₀ and Ozone at Multiple Time Scales. Environmental Health Perspectives, 2009, 117, 537-544.	6.0	52
31	Quasi-arithmetic means of covariance functions with potential applications to space-time data. Journal of Multivariate Analysis, 2009, 100, 1830-1844.	1.0	52
32	Total ozone mapping by integrating databases from remote sensing instruments and empirical models. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 991-1008.	6.3	51
33	Spatial estimation of antibiotic residues in surface soils in a typical intensive vegetable cultivation area in China. Science of the Total Environment, 2012, 430, 126-131.	8.0	51
34	High-resolution spatiotemporal mapping of PM _{2.5} concentrations at Mainland China using a combined BME-GWR technique. Atmospheric Environment, 2018, 173, 295-305.	4.1	50
35	BME representation of particulate matter distributions in the state of California on the basis of uncertain measurements. Journal of Geophysical Research, 2001, 106, 9717-9731.	3.3	48
36	Computational Bayesian maximum entropy solution of a stochastic advection-reaction equation in the light of site-specific information. Water Resources Research, 2002, 38, 54-1-54-17.	4.2	48

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37	Urban-Rural Disparity of Breast Cancer and Socioeconomic Risk Factors in China. PLoS ONE, 2015, 10, e0117572.	2.5	48
38	An extended Birnbaum's Saunders model and its application in the study of environmental quality in Santiago, Chile. Stochastic Environmental Research and Risk Assessment, 2010, 24, 771-782.	4.0	45
39	Application of the BME approach to soil texture mapping. Stochastic Environmental Research and Risk Assessment, 2001, 15, 87-100.	4.0	42
40	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. Science of the Total Environment, 2020, 747, 141447.	8.0	42
41	Spatiotemporal analysis and mapping of sulfate deposition data over Eastern U.S.A.. Atmospheric Environment, 1997, 31, 3623-3633.	4.1	41
42	Renormalization group analysis of permeability upscaling. Stochastic Environmental Research and Risk Assessment, 1999, 13, 131-161.	4.0	40
43	Sampling design for classifying contaminant level using annealing search algorithms. Water Resources Research, 1993, 29, 4063-4076.	4.2	39
44	Heavy metal contamination assessment of surface sediments of the East Zhejiang coastal area during 2012-2015. Ecotoxicology and Environmental Safety, 2018, 163, 444-455.	6.0	39
45	Comparative spatiotemporal analysis of fine particulate matter pollution. Environmetrics, 2010, 21, 305-317.	1.4	38
46	Spatiotemporal variation of the association between climate dynamics and HFRS outbreaks in Eastern China during 2005-2016 and its geographic determinants. PLoS Neglected Tropical Diseases, 2018, 12, e0006554.	3.0	38
47	Prediction of soil heavy metal distribution using Spatiotemporal Kriging with trend model. Ecological Indicators, 2015, 56, 125-133.	6.3	37
48	Multi-Perspective Analysis and Spatiotemporal Mapping of Air Pollution Monitoring Data. Environmental Science & Technology, 2010, 44, 6738-6744.	10.0	36
49	Area Disease Estimation Based on Sentinel Hospital Records. PLoS ONE, 2011, 6, e23428.	2.5	36
50	A composite space/time approach to studying ozone distribution over eastern united states. Atmospheric Environment, 1998, 32, 2845-2857.	4.1	35
51	Spatiotemporal analysis of environmental exposure's health effect associations. Journal of Exposure Science and Environmental Epidemiology, 2000, 10, 168-187.	3.9	35
52	Stochastic Diagrammatic Analysis of Groundwater Flow in Heterogeneous Porous Media. Water Resources Research, 1995, 31, 1687-1703.	4.2	33
53	Variational calculation of the effective fluid permeability of heterogeneous media. Physical Review E, 1997, 55, 7288-7298.	2.1	33
54	Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. BMC Public Health, 2010, 10, 52.	2.9	33

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55	Spatiotemporal Infectious Disease Modeling: A BME-SIR Approach. PLoS ONE, 2013, 8, e72168.	2.5	33
56	Sampling design for spatially distributed hydrogeologic and environmental processes. Advances in Water Resources, 1992, 15, 219-237.	3.8	32
57	Space-time PM2.5 mapping in the severe haze region of Jing-Jin-Ji (China) using a synthetic approach. Environmental Pollution, 2018, 240, 319-329.	7.5	32
58	Monitoring urban environmental pollution by bivariate control charts: New methodology and case study in Santiago, Chile. Environmetrics, 2019, 30, e2551.	1.4	32
59	Spatial statistics of clustered data. Stochastic Environmental Research and Risk Assessment, 2004, 18, 147-166.	4.0	31
60	BME-based uncertainty assessment of the Chernobyl fallout. Geoderma, 2005, 128, 312-324.	5.1	31
61	On the physical geometry concept at the basis of space/time geostatistical hydrology. Advances in Water Resources, 2000, 23, 799-810.	3.8	29
62	A BME solution of the inverse problem for saturated groundwater flow. Stochastic Environmental Research and Risk Assessment, 2003, 17, 354-369.	4.0	28
63	Data-driven exploration of "spatial pattern-time process-driving forces" associations of SARS epidemic in Beijing, China. Journal of Public Health, 2008, 30, 234-244.	1.8	28
64	Space-time mapping of ground-level PM2.5 and NO2 concentrations in heavily polluted northern China during winter using the Bayesian maximum entropy technique with satellite data. Air Quality, Atmosphere and Health, 2018, 11, 23-33.	3.3	28
65	A study of the breast cancer dynamics in North Carolina. Social Science and Medicine, 1997, 45, 1503-1517.	3.8	27
66	Duration of Urban Mortality for the 14th-Century Black Death Epidemic. Human Biology, 2005, 77, 291-303.	0.2	27
67	El Niño effects on influenza mortality risks in the state of California. Public Health, 2006, 120, 505-516.	2.9	26
68	A study of the spatiotemporal health impacts of ozone exposure. Journal of Exposure Science and Environmental Epidemiology, 1999, 9, 322-335.	3.9	25
69	Title is missing!. Mathematical Geosciences, 2001, 33, 543-568.	0.9	25
70	Spatiotemporal Transmission and Determinants of Typhoid and Paratyphoid Fever in Hongta District, Yunnan Province, China. PLoS Neglected Tropical Diseases, 2013, 7, e2112.	3.0	25
71	The decade long achievements of China's marine ecological civilization construction (2006-2016). Journal of Environmental Management, 2020, 272, 111077.	7.8	25
72	Sampling and Kriging Spatial Means: Efficiency and Conditions. Sensors, 2009, 9, 5224-5240.	3.8	24

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73	Assessing the severe eutrophication status and spatial trend in the coastal waters of Zhejiang province (China). <i>Limnology and Oceanography</i> , 2019, 64, 3-17.	3.1	24
74	Probabilistic logic analysis of the highly heterogeneous spatiotemporal HFRS incidence distribution in Heilongjiang province (China) during 2005-2013. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007091.	3.0	24
75	Spatiotemporal analysis of spring water ion processes derived from measurements at the Dyle basin in Belgium. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1996, 34, 626-642.	6.3	23
76	Efficient mapping of California mortality fields at different spatial scales. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 120-133.	3.9	23
77	Spatiotemporal characterization and mapping of PM _{2.5} concentrations in southern Jiangsu Province, China. <i>Environmental Pollution</i> , 2018, 234, 794-803.	7.5	23
78	Modern statistical analysis and optimal estimation of geotechnical data. <i>Engineering Geology</i> , 1985, 22, 175-200.	6.3	22
79	Stochastic simulation of spatially correlated geo-processes. <i>Mathematical Geosciences</i> , 1987, 19, 807-831.	0.9	22
80	Stochastic perturbation analysis of groundwater flow. <i>Spatially variable soils, semi-infinite domains and large fluctuations. Stochastic Hydrology & Hydraulics</i> , 1993, 7, 213-239.	0.5	22
81	Spatiotemporal analysis and processing of thermometric data over Belgium. <i>Journal of Geophysical Research</i> , 1997, 102, 25831-25846.	3.3	22
82	Spatiotemporal modelling and mapping of the bubonic plague epidemic in India. , 2006, 5, 12.		22
83	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
84	An online spatiotemporal prediction model for dengue fever epidemic in <sc>K</sc>aohsiung (<sc>T</sc>aiwan). <i>Biometrical Journal</i> , 2014, 56, 428-440.	1.0	21
85	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. <i>Atmosphere</i> , 2015, 6, 1307-1326.	2.3	21
86	Boundary condition sensitivity analysis of the stochastic flow equation. <i>Advances in Water Resources</i> , 1996, 19, 109-120.	3.8	20
87	New space-time perspectives on the propagation characteristics of the Black Death epidemic and its relation to bubonic plague. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 307-314.	4.0	19
88	A Space-Time Study of Hemorrhagic Fever with Renal Syndrome (HFRS) and Its Climatic Associations in Heilongjiang Province, China. <i>Frontiers in Applied Mathematics and Statistics</i> , 2017, 3, .	1.3	19
89	Comparative Performance of the LUR, ANN, and BME Techniques in the Multiscale Spatiotemporal Mapping of PM _{2.5} Concentrations in North China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1734-1747.	4.9	19
90	Some Applications of the Bayesian, Maximum-Entropy Concept in Geostatistics. , 1991, , 215-229.		19

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91	Norm-dependent covariance permissibility of weakly homogeneous spatial random fields and its consequences in spatial statistics. <i>Stochastic Environmental Research and Risk Assessment</i> , 2000, 14, 471-478.	4.0	18
92	Recursive parameter estimation with applications in earth sciences. <i>Journal of the International Association for Mathematical Geology</i> , 1985, 17, 489-515.	0.8	17
93	Stochastic analysis of spatiotemporal solute content measurements using a regression model. <i>Stochastic Hydrology & Hydraulics</i> , 1997, 11, 267-295.	0.5	17
94	Uncertainty assessment of heavy metal soil contamination mapping using spatiotemporal sequential indicator simulation with multi-temporal sampling points. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 571.	2.7	17
95	Dynamic stochastic estimation of physical variables. <i>Mathematical Geosciences</i> , 1996, 28, 341-365.	0.9	16
96	Contribution of industrial density and socioeconomic status to the spatial distribution of thyroid cancer risk in Hangzhou, China. <i>Science of the Total Environment</i> , 2018, 613-614, 679-686.	8.0	16
97	Spatiotemporal BME characterization and mapping of sea surface chlorophyll in Chesapeake Bay (USA) using auxiliary sea surface temperature data. <i>Science of the Total Environment</i> , 2021, 794, 148670.	8.0	16
98	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China. <i>Science of the Total Environment</i> , 2022, 817, 152887.	8.0	16
99	Characterization of atmospheric pollution by means of stochastic indicator parameters. <i>Atmospheric Environment</i> , 1996, 30, 3811-3823.	4.1	15
100	Critical Conceptualism in Environmental Modeling and Prediction. <i>Environmental Science & Technology</i> , 2003, 37, 4685-4693.	10.0	15
101	METHODOLOGICAL DEVELOPMENTS IN GEOPHYSICAL ASSIMILATION MODELING. <i>Reviews of Geophysics</i> , 2005, 43, .	23.0	15
102	A traveling epidemic model of space-time disease spread. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 305-314.	4.0	15
103	Stochastic indicator analysis of contaminated sites. <i>Journal of Applied Probability</i> , 1997, 34, 988-1008.	0.7	14
104	Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 815-831.	2.7	14
105	A Geographic Analysis about the Spatiotemporal Pattern of Breast Cancer in Hangzhou from 2008 to 2012. <i>PLoS ONE</i> , 2016, 11, e0147866.	2.5	14
106	A multiple-objective optimal exploration strategy. <i>Mathematical and Computer Modelling</i> , 1988, 11, 413-418.	2.0	13
107	The intrinsic random field model in the study of sulfate deposition processes. <i>Atmospheric Environment Part A General Topics</i> , 1993, 27, 1521-1540.	1.3	13
108	Stochastic Indicators for Waste Site Characterization. <i>Water Resources Research</i> , 1996, 32, 2563-2578.	4.2	13

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109	Space transformation methods in the representation of geophysical random fields. IEEE Transactions on Geoscience and Remote Sensing, 1992, 30, 55-70.	6.3	12
110	A novel method for studying population health impacts of spatiotemporal ozone distribution. Social Science and Medicine, 1998, 47, 1051-1066.	3.8	12
111	An AHP-based regional COVID-19 vulnerability model and its application in China. Modeling Earth Systems and Environment, 2022, 8, 2525-2538.	3.4	12
112	The development of stochastic space transformation and diagrammatic perturbation techniques in subsurface hydrology. Stochastic Hydrology & Hydraulics, 1993, 7, 14-32.	0.5	11
113	Diagrammatic solutions for hydraulic head moments in 1-D and 2-D bounded domains. Stochastic Hydrology & Hydraulics, 1995, 9, 269-296.	0.5	11
114	Diagrammatic theory of effective hydraulic conductivity. Stochastic Hydrology & Hydraulics, 1997, 11, 369-395.	0.5	11
115	The space transformation in the simulation of multidimensional random fields. Mathematics and Computers in Simulation, 1987, 29, 313-319.	4.4	10
116	An analysis of hydraulic conductivity upscaling. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 4979-4984.	1.1	10
117	Assimilation of fuzzy data by the BME method. Stochastic Environmental Research and Risk Assessment, 2004, 18, 79-90.	4.0	10
118	Fitting negative spatial covariances to geothermal field temperatures in Nea Kessani (Greece). Environmetrics, 2007, 18, 759-773.	1.4	10
119	Climate: patterns, changes, and impacts. Stochastic Environmental Research and Risk Assessment, 2011, 25, 443-444.	4.0	10
120	Spatiotemporal Co-existence of Female Thyroid and Breast Cancers in Hangzhou, China. Scientific Reports, 2016, 6, 28524.	3.3	10
121	Space-Time Characterization and Risk Assessment of Nutrient Pollutant Concentrations in China's Near Seas. Journal of Geophysical Research: Oceans, 2019, 124, 4449-4463.	2.6	10
122	Improved space-time sea surface salinity mapping in Western Pacific ocean using contingency modeling. Stochastic Environmental Research and Risk Assessment, 2020, 34, 355-368.	4.0	10
123	A stochastic approach in modelling and estimating geotechnical data. International Journal for Numerical and Analytical Methods in Geomechanics, 1987, 11, 79-102.	3.3	9
124	Stochastic indicator analysis of contaminated sites. Journal of Applied Probability, 1997, 34, 988-1008.	0.7	9
125	Multiphase flow in heterogeneous porous media from a stochastic differential geometry viewpoint. Water Resources Research, 1998, 34, 93-102.	4.2	9
126	A sociological approach to the state of stochastic hydrogeology. Stochastic Environmental Research and Risk Assessment, 2004, 18, 274.	4.0	9

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127	Revisiting Prior distributions, Part I: Priors based on a physical invariance principle. Stochastic Environmental Research and Risk Assessment, 2007, 21, 427-434.	4.0	9
128	Probabilistic assessment of high concentrations of particulate matter (PM 10) in Beijing, China. Atmospheric Pollution Research, 2017, 8, 1143-1150.	3.8	9
129	Integrative Problem-Solving in a Time of Decadence. , 2011, , .		9
130	Stochastic Radon operators in porous media hydrodynamics. Quarterly of Applied Mathematics, 1997, 55, 89-112.	0.7	8
131	Title is missing!. Mathematical Geosciences, 1998, 30, 57-76.	0.9	8
132	Soil behaviour under dynamic loading conditions: experimental procedures and statistical trends. Stochastic Environmental Research and Risk Assessment, 2003, 17, 175-190.	4.0	8
133	Modeling and Estimation of Heterogeneous Spatiotemporal Attributes Under Conditions of Uncertainty. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 366-376.	6.3	8
134	Uncertainty assessment of PM2.5 contamination mapping using spatiotemporal sequential indicator simulations and multi-temporal monitoring data. Scientific Reports, 2016, 6, 24335.	3.3	8
135	Ocean pollution assessment by integrating physical law and site-specific data. Environmetrics, 2019, 30, e2547.	1.4	8
136	Spatiotemporal Random Fields. , 2017, , 39-81.		8
137	Space transformations in the study of multidimensional functions in the hydrologic sciences. Advances in Water Resources, 1986, 9, 42-48.	3.8	7
138	On-line estimation of nonlinear physical systems. Mathematical Geosciences, 1988, 20, 111-133.	0.9	7
139	Another look at the conceptual fundamentals of porous media upscaling. Stochastic Environmental Research and Risk Assessment, 2003, 17, 276-290.	4.0	7
140	Optimal estimation of nonlinear state nonlinear observation systems. Journal of Optimization Theory and Applications, 1989, 62, 29-48.	1.5	6
141	Porous Media Upscaling in Terms of Mathematical Epistemic Cognition. SIAM Journal on Applied Mathematics, 2005, 66, 433-446.	1.8	6
142	A composite solution method for physical equations and its application in the Nea Kessani geothermal field (Greece). Journal of Geophysical Research, 2007, 112, .	3.3	6
143	Improving Spatiotemporal Breast Cancer Assessment and Prediction in Hangzhou City, China. Scientific Reports, 2017, 7, 3188.	3.3	6
144	Space-Time Ground-Level PM2.5 Distribution at the Yangtze River Delta: A Comparison of Kriging, LUR, and Combined BME-LUR Techniques. Journal of Environmental Informatics, 0, , .	6.0	6

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145	Stochastic space transforms in subsurface hydrology – Part 2: Generalized spectral decompositions and plancherel representations. <i>Stochastic Hydrology & Hydraulics</i> , 1994, 8, 117-138.	0.5	5
146	Revisiting prior distributions, Part II: Implications of the physical prior in maximum entropy analysis. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007, 21, 435-446.	4.0	5
147	Estimating spatial attribute means in a GIS environment. <i>Science China Earth Sciences</i> , 2010, 53, 181-188.	5.2	5
148	Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. <i>International Journal of Geographical Information Science</i> , 2021, 35, 466-489.	4.8	5
149	Powering an Egyptian Air Quality Information System with the Bayesian Maximum Entropy Space/Time Analysis Toolbox: Results From the Cairo Baseline Year Study. <i>Quantitative Geology and Geostatistics</i> , 2001, , 91-100.	0.1	5
150	Distribution, accumulation and health risk assessment of trace elements in Sargassum fusiforme. <i>Marine Pollution Bulletin</i> , 2022, 174, 113155.	5.0	5
151	Contamination Assessment and Source Apportionment of Metals and Metalloids Pollution in Agricultural Soil: A Comparison of the APCA-MLR and APCA-GWR Models. <i>Sustainability</i> , 2022, 14, 783.	3.2	5
152	Bayesian maximum entropy interpolation of sea surface temperature data: A comparative assessment. <i>International Journal of Remote Sensing</i> , 2022, 43, 148-166.	2.9	5
153	Changes of Wiang Nong Lom and Nong Luang Wetlands in Chiang Saen Valley (Chiang Rai Province,) <i>Tj ETQq1 1 0.784314 rgBT /Over and Remote Sensing</i> , 2019, 12, 4224-4238.	4.9	4
154	Spatial variability assessment of La and Nd concentrations in coastal China soils following 1000 years of land reclamation. <i>Journal of Soils and Sediments</i> , 2020, 20, 1651-1661.	3.0	4
155	Soft Data Space/Time Mapping of Coarse Particulate Matter Annual Arithmetic Average Over the U.S. , 2004, , 115-126.		4
156	Certain results on spatiotemporal random fields and their applications in environmental research. , 1992, , 287-322.		4
157	On the functional optimization of a certain class of nonstationary spatial functions. <i>Journal of Optimization Theory and Applications</i> , 1987, 52, 191-208.	1.5	3
158	Numerical Implementation of a Space-Transformation Approach for Solving the Three-Dimensional Flow Equation. <i>SIAM Journal of Scientific Computing</i> , 1998, 20, 619-647.	2.8	3
159	Stochastic Flowpath Analysis of Multiphase Flow in Random Porous Media. <i>SIAM Journal on Applied Mathematics</i> , 2000, 60, 1520-1542.	1.8	3
160	The cognitive basis of physical modelling. <i>Developments in Water Science</i> , 2004, , 661-669.	0.1	3
161	Medical geography as a science of interdisciplinary knowledge synthesis under conditions of uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007, 21, 459-460.	4.0	3
162	Wetland changes and their impacts on livelihoods in Chiang Saen Valley, Chiang Rai Province, Thailand. <i>Regional Environmental Change</i> , 2021, 21, 1.	2.9	3

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163	Bayesian Maximum Entropy. Encyclopedia of Earth Sciences Series, 2021, , 1-9.	0.1	3
164	Spatial Distribution of Cadmium and Zinc in Soils of Northern North Dakota. Agronomy Journal, 2018, 110, 1666-1680.	1.8	2
165	Dealing with Spatiotemporal Heterogeneity: The Generalized BME Model. Advances in Spatial Science, 2010, , 75-91.	0.6	2
166	Cleopatra's Nose and the Diagrammatic Approach to Flow Modelling in Random Porous Media. Quantitative Geology and Geostatistics, 1994, , 341-358.	0.1	2
167	Spatiotemporal variation of the association between sea surface temperature and chlorophyll in global ocean during 2002-2019 based on a novel WCA-BME approach. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102620.	2.8	2
168	Stochastic flow modelling in terms of interactive perturbation, Feynman diagrams and graph theory. , 0, , .		1
169	Stochastic Reasoning. , 2010, , 243-300.		1
170	Spatiotemporal Analysis of PM2.5 Exposure in Taipei (Taiwan) by Integrating PM10 and TSP Observations. , 2011, , 473-492.		1
171	Storm Characterization Using a BME Approach. Contributions To Statistics, 2019, , 271-284.	0.2	1
172	Classical geostatistics. , 2022, , 149-211.		1
173	A simple approach to nonlinear estimation of physical systems. Mathematical and Computer Modelling, 1988, 11, 583-588.	2.0	0
174	Uncertainty, Modeling with Spatial and Temporal. , 2008, , 1189-1194.		0
175	Emergence of Epibrainmatics. , 2010, , 149-204.		0
176	On Model-Choice. , 2010, , 397-425.		0
177	Space-Time and Uncertainty. , 2010, , 205-242.		0
178	The Pursuit of Knowledge. , 2010, , 1-110.		0
179	Operational Epibrainmatics. , 2010, , 337-396.		0
180	Uncertainty, Modeling with Spatial and Temporal. , 2016, , 1-7.		0

#	ARTICLE	IF	CITATIONS
181	Uncertainty, Modeling with Spatial and Temporal. , 2017, , 2354-2360.		0
182	New Results in Computational Porous Media Upscaling. , 2019, , 107-109.		0
183	Chrono-geographic statistics. , 2022, , 101-148.		0
184	CTDA methodology. , 2022, , 57-100.		0
185	Chronotopologic krigology. , 2022, , 293-344.		0
186	Modern geostatistics. , 2022, , 213-266.		0
187	Chronotopologic BME estimation. , 2022, , 345-383.		0