George Christakos

List of Publications by Year in Descending Order

187 papers	4,970 citations	36 h-index	63 g-index
196 ext. papers	5,936 ext. citations	4.8 avg, IF	5.87 L-index

#	Paper	IF	Citations
187	CTDA methodology **2022**, 57-100		
186	Chronotopologic krigology **2022**, 293-344		
185	Modern geostatistics **2022**, 213-266		
184	Chronotopologic BME estimation **2022**, 345-383		
183	Contamination Assessment and Source Apportionment of Metals and Metalloids Pollution in Agricultural Soil: A Comparison of the APCA-MLR and APCA-GWR Models. *Sustainability*, **2022**, 14, 783	3.6	1
182	Classical geostatistics **2022**, 149-211		0
181	Chrono-geographic statistics **2022**, 101-148		
180	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China.. *Science of the Total Environment*, **2022**, 817, 152887	10.2	3
179	Bayesian maximum entropy interpolation of sea surface temperature data: A comparative assessment. *International Journal of Remote Sensing*, **2022**, 43, 148-166	3.1	1
178	Distribution, accumulation and health risk assessment of trace elements in Sargassum fusiforme. *Marine Pollution Bulletin*, **2021**, 174, 113155	6.7	0
177	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	7.3	1
176	Wetland changes and their impacts on livelihoods in Chiang Saen Valley, Chiang Rai Province, Thailand. *Regional Environmental Change*, **2021**, 21, 1	4.3	0
175	Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. *International Journal of Geographical Information Science*, **2021**, 35, 466-489	4.1	0
174	An AHP-based regional COVID-19 vulnerability model and its application in China. *Modeling Earth Systems and Environment*, **2021**, 1-14	3.2	3
173	A Study of COVID-19 in the Wuhan, Beijing, Urumqi and Dalian Cities based on the Regional Disease Vulnerability Index. *Journal of Infection and Public Health*, **2021**,	7.4	1
172	Spatiotemporal BME characterization and mapping of sea surface chlorophyll in Chesapeake Bay (USA) using auxiliary sea surface temperature data. *Science of the Total Environment*, **2021**, 794, 148670	10.2	5
171	Bayesian Maximum Entropy. *Encyclopedia of Earth Sciences Series*, **2021**, 1-9		0

170	Improved space–time sea surface salinity mapping in Western Pacific ocean using contingogram modeling. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 355-368	3.5	7
169	Beyond mere pollution source identification: Determination of land covers emitting soil heavy metals by combining PCA/APCS, GeoDetector and GIS analysis. *Catena*, **2020**, 185, 104297	5.8	42
168	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	12.5	22
167	Spatial variability assessment of La and Nd concentrations in coastal China soils following 1000 years of land reclamation. *Journal of Soils and Sediments*, **2020**, 20, 1651-1661	3.4	1
166	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	10.2	32
165	The decade long achievements of China's marine ecological civilization construction (2006-2016). *Journal of Environmental Management*, **2020**, 272, 111077	7.9	7
164	Probabilistic logic analysis of the highly heterogeneous spatiotemporal HFRS incidence distribution in Heilongjiang province (China) during 2005-2013. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007091	4.8	15
163	Improved heavy metal mapping and pollution source apportionment in Shanghai City soils using auxiliary information. *Science of the Total Environment*, **2019**, 661, 168-177	10.2	53
162	Space-Time Characterization and Risk Assessment of Nutrient Pollutant Concentrations in China's Near Seas. *Journal of Geophysical Research: Oceans*, **2019**, 124, 4449-4463	3.3	4
161	Comparative Performance of the LUR, ANN, and BME Techniques in the Multiscale Spatiotemporal Mapping of PM2.5 Concentrations in North China. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 1734-1747	4.7	12
160	Assessing the severe eutrophication status and spatial trend in the coastal waters of Zhejiang province (China). *Limnology and Oceanography*, **2019**, 64, 3-17	4.8	15
159	Storm Characterization Using a BME Approach. *Contributions To Statistics*, **2019**, 271-284	0.1	0
158	New Results in Computational Porous Media Upscaling **2019**, 107-109		
157	Changes of Wiang Nong Lom and Nong Luang Wetlands in Chiang Saen Valley (Chiang Rai Province, Thailand) During the Period 1988–2017. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 4224-4238	4.7	3
156	Monitoring urban environmental pollution by bivariate control charts: New methodology and case study in Santiago, Chile. *Environmetrics*, **2019**, 30, e2551	1.3	26
155	Ocean pollution assessment by integrating physical law and site-specific data. *Environmetrics*, **2019**, 30, e2547	1.3	5
154	Assessment of soil heavy metal pollution using stochastic site indicators. *Geoderma*, **2019**, 337, 359-367	6.7	52
153	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	4.7	28

152	Spatiotemporal characterization and mapping of PM concentrations in southern Jiangsu Province, China. *Environmental Pollution*, **2018**, 234, 794-803	9.3	15
151	Contribution of industrial density and socioeconomic status to the spatial distribution of thyroid cancer risk in Hangzhou, China. *Science of the Total Environment*, **2018**, 613-614, 679-686	10.2	8
150	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	5.6	22
149	Spatial Distribution of Cadmium and Zinc in Soils of Northern North Dakota. *Agronomy Journal*, **2018**, 110, 1666-1680	2.2	1
148	Space-time PM mapping in the severe haze region of Jing-Jin-Ji (China) using a synthetic approach. *Environmental Pollution*, **2018**, 240, 319-329	9.3	22
147	Heavy metal contamination assessment of surface sediments of the East Zhejiang coastal area during 2012-2015. *Ecotoxicology and Environmental Safety*, **2018**, 163, 444-455	7	26
146	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	4.8	22
145	High-resolution spatiotemporal mapping of PM2.5 concentrations at Mainland China using a combined BME-GWR technique. *Atmospheric Environment*, **2018**, 173, 295-305	5.3	36
144	Space-time quantitative source apportionment of soil heavy metal concentration increments. *Environmental Pollution*, **2017**, 223, 560-566	9.3	90
143	Probabilistic assessment of high concentrations of particulate matter (PM10) in Beijing, China. *Atmospheric Pollution Research*, **2017**, 8, 1143-1150	4.5	7
142	Improving Spatiotemporal Breast Cancer Assessment and Prediction in Hangzhou City, China. *Scientific Reports*, **2017**, 7, 3188	4.9	3
141	A traveling epidemic model of space-time disease spread. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 305-314	3.5	10
140	A Space-Time Study of Hemorrhagic Fever with Renal Syndrome (HFRS) and Its Climatic Associations in Heilongjiang Province, China. *Frontiers in Applied Mathematics and Statistics*, **2017**, 3,	2.2	13
139	Spatiotemporal Random Fields **2017**, 39-81		5
138	A Geographic Analysis about the Spatiotemporal Pattern of Breast Cancer in Hangzhou from 2008 to 2012. *PLoS ONE*, **2016**, 11, e0147866	3.7	8
137	Uncertainty assessment of PM2.5 contamination mapping using spatiotemporal sequential indicator simulations and multi-temporal monitoring data. *Scientific Reports*, **2016**, 6, 24335	4.9	6
136	Spatiotemporal Co-existence of Female Thyroid and Breast Cancers in Hangzhou, China. *Scientific Reports*, **2016**, 6, 28524	4.9	8
135	Prediction of soil heavy metal distribution using Spatiotemporal Kriging with trend model. *Ecological Indicators*, **2015**, 56, 125-133	5.8	29

134	Spatiotemporal Characterization of Ambient PM2.5 Concentrations in Shandong Province (China). *Environmental Science & Technology*, **2015**, 49, 13431-8	10.3	46
133	Uncertainty assessment of heavy metal soil contamination mapping using spatiotemporal sequential indicator simulation with multi-temporal sampling points. *Environmental Monitoring and Assessment*, **2015**, 187, 571	3.1	12
132	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. *Atmosphere*, **2015**, 6, 1307-1326	2.7	15
131	Urban-rural disparity of breast cancer and socioeconomic risk factors in China. *PLoS ONE*, **2015**, 10, e0117572	3.7	30
130	An online spatiotemporal prediction model for dengue fever epidemic in Kaohsiung (Taiwan). *Biometrical Journal*, **2014**, 56, 428-40	1.5	16
129	Stochastic Medical Reasoning and Environmental Health Exposure **2014**,		5
128	Influence of planting patterns on fluoroquinolone residues in the soil of an intensive vegetable cultivation area in northern China. *Science of the Total Environment*, **2013**, 458-460, 63-9	10.2	73
127	Model-driven development of covariances for spatiotemporal environmental health assessment. *Environmental Monitoring and Assessment*, **2013**, 185, 815-31	3.1	12
126	Spatiotemporal transmission and determinants of typhoid and paratyphoid fever in Hongta District, Yunnan Province, China. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2112	4.8	21
125	Estimation of citywide air pollution in Beijing. *PLoS ONE*, **2013**, 8, e53400	3.7	70
124	Spatiotemporal infectious disease modeling: a BME-SIR approach. *PLoS ONE*, **2013**, 8, e72168	3.7	27
123	Spatial estimation of antibiotic residues in surface soils in a typical intensive vegetable cultivation area in China. *Science of the Total Environment*, **2012**, 430, 126-31	10.2	45
122	Modeling of space-time infectious disease spread under conditions of uncertainty. *International Journal of Geographical Information Science*, **2012**, 26, 1751-1772	4.1	17
121	Area disease estimation based on sentinel hospital records. *PLoS ONE*, **2011**, 6, e23428	3.7	28
120	A spatio-temporal climate-based model of early dengue fever warning in southern Taiwan. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 485-494	3.5	71
119	Hand, foot and mouth disease: spatiotemporal transmission and climate. *International Journal of Health Geographics*, **2011**, 10, 25	3.5	90
118	Modeling and Estimation of Heterogeneous Spatiotemporal Attributes Under Conditions of Uncertainty. *IEEE Transactions on Geoscience and Remote Sensing*, **2011**, 49, 366-376	8.1	5
117	Integrative Problem-Solving in a Time of Decadence **2011**,		7

98	Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. *IEEE Transactions on Geoscience and Remote Sensing*, **2009**, 47, 4167-4174	8.1	66
97	Data-driven exploration of 'spatial pattern-time process-driving forces' associations of SARS epidemic in Beijing, China. *Journal of Public Health*, **2008**, 30, 234-44	3.5	21
96	A composite solution method for physical equations and its application in the Nea Kessani geothermal field (Greece). *Journal of Geophysical Research*, **2007**, 112,		5
95	Fitting negative spatial covariances to geothermal field temperatures in Nea Kessani (Greece). *Environmetrics*, **2007**, 18, 759-773	1.3	10
94	Revisiting Prior distributions, Part I: Priors based on a physical invariance principle. *Stochastic Environmental Research and Risk Assessment*, **2007**, 21, 427-434	3.5	6
93	Revisiting prior distributions, Part II: Implications of the physical prior in maximum entropy analysis. *Stochastic Environmental Research and Risk Assessment*, **2007**, 21, 435-446	3.5	5
92	Interactive spatiotemporal modelling of health systems: the SEKS-GUI framework. *Stochastic Environmental Research and Risk Assessment*, **2007**, 21, 555-572	3.5	78
91	Recent results on the spatiotemporal modelling and comparative analysis of Black Death and bubonic plague epidemics. *Public Health*, **2007**, 121, 700-20	4	56
90	El Niño effects on influenza mortality risks in the state of California. *Public Health*, **2006**, 120, 505-16	4	18
89	Spatiotemporal modelling and mapping of the bubonic plague epidemic in India. *International Journal of Health Geographics*, **2006**, 5, 12	3.5	17
88	Porous Media Upscaling in Terms of Mathematical Epistemic Cognition. *SIAM Journal on Applied Mathematics*, **2005**, 66, 433-446	1.8	6
87	BME-based uncertainty assessment of the Chernobyl fallout. *Geoderma*, **2005**, 128, 312-324	6.7	25
86	METHODOLOGICAL DEVELOPMENTS IN GEOPHYSICAL ASSIMILATION MODELING. *Reviews of Geophysics*, **2005**, 43,	23.1	12
85	New space-time perspectives on the propagation characteristics of the Black Death epidemic and its relation to bubonic plague. *Stochastic Environmental Research and Risk Assessment*, **2005**, 19, 307-314	3.5	14
84	Duration of urban mortality for the 14th-century Black Death epidemic. *Human Biology*, **2005**, 77, 291-303	1.2	18
83	Spatial analysis and mapping of sexually transmitted diseases to optimise intervention and prevention strategies. *Sexually Transmitted Infections*, **2004**, 80, 294-9	2.8	70
82	Total ozone mapping by integrating databases from remote sensing instruments and empirical models. *IEEE Transactions on Geoscience and Remote Sensing*, **2004**, 42, 991-1008	8.1	36
81	Assimilation of fuzzy data by the BME method. *Stochastic Environmental Research and Risk Assessment*, **2004**, 18, 79-90	3.5	8

80	Spatial statistics of clustered data. *Stochastic Environmental Research and Risk Assessment*, **2004**, 18, 147-156	3.5	26
79	A sociological approach to the state of stochastic hydrogeology. *Stochastic Environmental Research and Risk Assessment*, **2004**, 18, 274	3.5	9
78	Methods for generating non-separable spatiotemporal covariance models with potential environmental applications. *Advances in Water Resources*, **2004**, 27, 815-830	4.7	99
77	The cognitive basis of physical modelling. *Developments in Water Science*, **2004**, 661-669		2
76	Soft Data Space/Time Mapping of Coarse Particulate Matter Annual Arithmetic Average Over the U.S **2004**, 115-126		3
75	Soil behaviour under dynamic loading conditions: experimental procedures and statistical trends. *Stochastic Environmental Research and Risk Assessment*, **2003**, 17, 175-190	3.5	7
74	Another look at the conceptual fundamentals of porous media upscaling. *Stochastic Environmental Research and Risk Assessment*, **2003**, 17, 276-290	3.5	7
73	A BME solution of the inverse problem for saturated groundwater flow. *Stochastic Environmental Research and Risk Assessment*, **2003**, 17, 354-369	3.5	27
72	Efficient mapping of California mortality fields at different spatial scales. *Journal of Exposure Science and Environmental Epidemiology*, **2003**, 13, 120-33	6.7	14
71	An application of the holistochastic human exposure methodology to naturally occurring arsenic in Bangladesh drinking water. *Risk Analysis*, **2003**, 23, 515-28	3.9	47
70	Critical conceptualism in environmental modeling and prediction. *Environmental Science & Technology*, **2003**, 37, 4685-93	10.3	12
69	On the assimilation of uncertain physical knowledge bases: Bayesian and non-Bayesian techniques. *Advances in Water Resources*, **2002**, 25, 1257-1274	4.7	49
68	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	5.4	39
67	Application of the BME approach to soil texture mapping. *Stochastic Environmental Research and Risk Assessment*, **2001**, 15, 87-100	3.5	36
66	Practical Calculation of Non-Gaussian Multivariate Moments in Spatiotemporal Bayesian Maximum Entropy Analysis. *Mathematical Geosciences*, **2001**, 33, 543-568		21
65	Temporal GIS **2001**,		44
64	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		40
63	Powering an Egyptian Air Quality Information System with the Bayesian Maximum Entropy Space/Time Analysis Toolbox: Results From the Cairo Baseline Year Study. *Quantitative Geology and Geostatistics*, **2001**, 91-100		1

62	On the physical geometry concept at the basis of space/time geostatistical hydrology. *Advances in Water Resources*, **2000**, 23, 799-810	4.7	23
61	Spatiotemporal analysis of environmental exposure-health effect associations. *Journal of Exposure Science and Environmental Epidemiology*, **2000**, 10, 168-87	6.7	28
60	BME analysis of spatiotemporal particulate matter distributions in North Carolina. *Atmospheric Environment*, **2000**, 34, 3393-3406	5.3	96
59	Norm-dependent covariance permissibility of weakly homogeneous spatial random fields and its consequences in spatial statistics. *Stochastic Environmental Research and Risk Assessment*, **2000**, 14, 471-478	3.5	13
58	Stochastic Flowpath Analysis of Multiphase Flow in Random Porous Media. *SIAM Journal on Applied Mathematics*, **2000**, 60, 1520-1542	1.8	3
57	A study of the spatiotemporal health impacts of ozone exposure. *Journal of Exposure Science and Environmental Epidemiology*, **1999**, 9, 322-35	6.7	19
56	Modern geostatistics: computational BME analysis in the light of uncertain physical knowledge – the Equus Beds study. *Stochastic Environmental Research and Risk Assessment*, **1999**, 13, 1-26	3.5	86
55	Renormalization group analysis of permeability upscaling. *Stochastic Environmental Research and Risk Assessment*, **1999**, 13, 131-161	3.5	34
54	Bayesian Maximum Entropy Analysis and Mapping: A Farewell to Kriging Estimators?. *Mathematical Geosciences*, **1998**, 30, 435-462		86
53	Analysis and Estimation of Natural Processes with Nonhomogeneous Spatial Variation Using Secondary Information. *Mathematical Geosciences*, **1998**, 30, 57-76		7
52	A composite space/time approach to studying ozone distribution over eastern united states. *Atmospheric Environment*, **1998**, 32, 2845-2857	5.3	31
51	A novel method for studying population health impacts of spatiotemporal ozone distribution. *Social Science and Medicine*, **1998**, 47, 1051-66	5.1	10
50	Multiphase flow and transport modeling in heterogeneous porous media: challenges and approaches. *Advances in Water Resources*, **1998**, 21, 77-120	4.7	225
49	Numerical Implementation of a Space-Transformation Approach for Solving the Three-Dimensional Flow Equation. *SIAM Journal of Scientific Computing*, **1998**, 20, 619-647	2.6	2
48	Spatiotemporal information systems in soil and environmental sciences. *Geoderma*, **1998**, 85, 141-179	6.7	53
47	Multiphase flow in heterogeneous porous media from a stochastic differential geometry viewpoint. *Water Resources Research*, **1998**, 34, 93-102	5.4	8
46	Spatiotemporal Environmental Health Modelling: A Tractatus Stochasticus **1998**,		59
45	Stochastic indicator analysis of contaminated sites. *Journal of Applied Probability*, **1997**, 34, 988-1008	0.8	12

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44	Spatiotemporal analysis and processing of thermometric data over Belgium. *Journal of Geophysical Research*, **1997**, 102, 25831-25846		17
43	Variational calculation of the effective fluid permeability of heterogeneous media. *Physical Review E*, **1997**, 55, 7288-7298	2.4	25
42	Stochastic indicator analysis of contaminated sites. *Journal of Applied Probability*, **1997**, 34, 988-1008	0.8	8
41	Stochastic Radon operators in porous media hydrodynamics. *Quarterly of Applied Mathematics*, **1997**, 55, 89-112	0.7	6
40	A study of the breast cancer dynamics in North Carolina. *Social Science and Medicine*, **1997**, 45, 1503-17	5.1	22
39	Spatiotemporal analysis and mapping of sulfate deposition data over Eastern U.S.A.. *Atmospheric Environment*, **1997**, 31, 3623-3633	5.3	34
38	Stochastic analysis of spatiotemporal solute content measurements using a regression model. *Stochastic Hydrology & Hydraulics*, **1997**, 11, 267-295		12
37	Diagrammatic theory of effective hydraulic conductivity. *Stochastic Hydrology & Hydraulics*, **1997**, 11, 369-395		9
36	An analysis of hydraulic conductivity upscaling. *Nonlinear Analysis: Theory, Methods & Applications*, **1997**, 30, 4979-4984	1.3	9
35	Stochastic Indicators for Waste Site Characterization. *Water Resources Research*, **1996**, 32, 2563-2578	5.4	12
34	Characterization of atmospheric pollution by means of stochastic indicator parameters. *Atmospheric Environment*, **1996**, 30, 3811-3823	5.3	12
33	Spatiotemporal analysis of spring water ion processes derived from measurements at the Dyle basin in Belgium. *IEEE Transactions on Geoscience and Remote Sensing*, **1996**, 34, 626-642	8.1	19
32	Dynamic stochastic estimation of physical variables. *Mathematical Geosciences*, **1996**, 28, 341-365		12
31	Boundary condition sensitivity analysis of the stochastic flow equation. *Advances in Water Resources*, **1996**, 19, 109-120	4.7	17
30	Diagrammatic solutions for hydraulic head moments in 1-D and 2-D bounded domains. *Stochastic Hydrology & Hydraulics*, **1995**, 9, 269-296		10
29	Stochastic Diagrammatic Analysis of Groundwater Flow in Heterogeneous Porous Media. *Water Resources Research*, **1995**, 31, 1687-1703	5.4	24
28	Stochastic space transforms in subsurface hydrology Part 2: Generalized spectral decompositions and plancherel representations. *Stochastic Hydrology & Hydraulics*, **1994**, 8, 117-138		4
27	Cleopatra's Nose and the Diagrammatic Approach to Flow Modelling in Random Porous Media. *Quantitative Geology and Geostatistics*, **1994**, 341-358		2

26	The intrinsic random field model in the study of sulfate deposition processes. *Atmospheric Environment Part A General Topics*, **1993**, 27, 1521-1540		12
25	Sampling design for classifying contaminant level using annealing search algorithms. *Water Resources Research*, **1993**, 29, 4063-4076	5.4	32
24	The development of stochastic space transformation and diagrammatic perturbation techniques in subsurface hydrology. *Stochastic Hydrology & Hydraulics*, **1993**, 7, 14-32		10
23	Stochastic perturbation analysis of groundwater flow. Spatially variable soils, semi-infinite domains and large fluctuations. *Stochastic Hydrology & Hydraulics*, **1993**, 7, 213-239		19
22	. *IEEE Transactions on Geoscience and Remote Sensing*, **1992**, 30, 55-70	8.1	7
21	Sampling design for spatially distributed hydrogeologic and environmental processes. *Advances in Water Resources*, **1992**, 15, 219-237	4.7	28
20	Certain results on spatiotemporal random fields and their applications in environmental research **1992**, 287-322		2
19	. *IEEE Transactions on Systems, Man, and Cybernetics*, **1991**, 21, 861-875		59
18	Some Applications of the Bayesian, Maximum-Entropy Concept in Geostatistics **1991**, 215-229		16
17	A Bayesian/maximum-entropy view to the spatial estimation problem. *Mathematical Geosciences*, **1990**, 22, 763-777		205
16	Optimal estimation of nonlinear state nonlinear observation systems. *Journal of Optimization Theory and Applications*, **1989**, 62, 29-48	1.6	3
15	On-line estimation of nonlinear physical systems. *Mathematical Geosciences*, **1988**, 20, 111-133		4
14	A multiple-objective optimal exploration strategy. *Mathematical and Computer Modelling*, **1988**, 11, 413-418		10
13	A simple approach to nonlinear estimation of physical systems. *Mathematical and Computer Modelling*, **1988**, 11, 583-588		
12	On the functional optimization of a certain class of nonstationary spatial functions. *Journal of Optimization Theory and Applications*, **1987**, 52, 191-208	1.6	1
11	Stochastic simulation of spatially correlated geo-processes. *Mathematical Geosciences*, **1987**, 19, 807-831		18
10	A stochastic approach in modelling and estimating geotechnical data. *International Journal for Numerical and Analytical Methods in Geomechanics*, **1987**, 11, 79-102	4	6
9	The space transformation in the simulation of multidimensional random fields. *Mathematics and Computers in Simulation*, **1987**, 29, 313-319	3.3	7

8	Space transformations in the study of multidimensional functions in the hydrologic sciences. *Advances in Water Resources*, **1986**, 9, 42-48	4.7	5
7	Recursive parameter estimation with applications in earth sciences. *Journal of the International Association for Mathematical Geology*, **1985**, 17, 489-515		13
6	Modern statistical analysis and optimal estimation of geotechnical data. *Engineering Geology*, **1985**, 22, 175-200	6	20
5	On the Problem of Permissible Covariance and Variogram Models. *Water Resources Research*, **1984**, 20, 251-265	5.4	162
4	Bayesian Maximum Entropy ⏺BME247-306		4
3			1
2	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*,	3	6
1	Comparative Analysis of COVID-19 Transmission Patterns in Three Chinese Regions vs. South Korea, Italy and Iran		4