

George Christakos

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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	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	4.1	758
186	Multiphase flow and transport modeling in heterogeneous porous media: challenges and approaches. <i>Advances in Water Resources</i> , 1998 , 21, 77-120	4.7	225
185	A Bayesian/maximum-entropy view to the spatial estimation problem. <i>Mathematical Geosciences</i> , 1990 , 22, 763-777		205
184	On the Problem of Permissible Covariance and Variogram Models. <i>Water Resources Research</i> , 1984 , 20, 251-265	5.4	162
183	Methods for generating non-separable spatiotemporal covariance models with potential environmental applications. <i>Advances in Water Resources</i> , 2004 , 27, 815-830	4.7	99
182	BME analysis of spatiotemporal particulate matter distributions in North Carolina. <i>Atmospheric Environment</i> , 2000 , 34, 3393-3406	5.3	96
181	Space-time quantitative source apportionment of soil heavy metal concentration increments. <i>Environmental Pollution</i> , 2017 , 223, 560-566	9.3	90
180	Hand, foot and mouth disease: spatiotemporal transmission and climate. <i>International Journal of Health Geographics</i> , 2011 , 10, 25	3.5	90
179	Bayesian Maximum Entropy Analysis and Mapping: A Farewell to Kriging Estimators?. <i>Mathematical Geosciences</i> , 1998 , 30, 435-462		86
178	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	3.5	86
177	Interactive spatiotemporal modelling of health systems: the SEKSUI framework. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007 , 21, 555-572	3.5	78
176	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, 63-9	10.2	73
175	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	3.5	71
174	Estimation of citywide air pollution in Beijing. <i>PLoS ONE</i> , 2013 , 8, e53400	3.7	70
173	Spatial analysis and mapping of sexually transmitted diseases to optimise intervention and prevention strategies. <i>Sexually Transmitted Infections</i> , 2004 , 80, 294-9	2.8	70
172	Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 4167-4174	8.1	66
171	. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1991 , 21, 861-875		59

170	Spatiotemporal Environmental Health Modelling: A Tractatus Stochasticus 1998 ,		59
169	Recent results on the spatiotemporal modelling and comparative analysis of Black Death and bubonic plague epidemics. <i>Public Health</i> , 2007 , 121, 700-20	4	56
168	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	10.2	53
167	Spatiotemporal information systems in soil and environmental sciences. <i>Geoderma</i> , 1998 , 85, 141-179	6.7	53
166	Assessment of soil heavy metal pollution using stochastic site indicators. <i>Geoderma</i> , 2019 , 337, 359-367	6.7	52
165	On the assimilation of uncertain physical knowledge bases: Bayesian and non-Bayesian techniques. <i>Advances in Water Resources</i> , 2002 , 25, 1257-1274	4.7	49
164	BME estimation of residential exposure to ambient PM10 and ozone at multiple time scales. <i>Environmental Health Perspectives</i> , 2009 , 117, 537-44	8.4	48
163	An application of the holistochastic human exposure methodology to naturally occurring arsenic in Bangladesh drinking water. <i>Risk Analysis</i> , 2003 , 23, 515-28	3.9	47
162	Spatiotemporal Characterization of Ambient PM2.5 Concentrations in Shandong Province (China). <i>Environmental Science & Technology</i> , 2015 , 49, 13431-8	10.3	46
161	Spatial estimation of antibiotic residues in surface soils in a typical intensive vegetable cultivation area in China. <i>Science of the Total Environment</i> , 2012 , 430, 126-31	10.2	45
160	Temporal GIS 2001 ,		44
159	Spatiotemporal modelling of ozone distribution in the State of California. <i>Atmospheric Environment</i> , 2009 , 43, 2471-2480	5.3	43
158	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	5.8	42
157	BME representation of particulate matter distributions in the state of California on the basis of uncertain measurements. <i>Journal of Geophysical Research</i> , 2001 , 106, 9717-9731		40
156	Computational Bayesian maximum entropy solution of a stochastic advection-reaction equation in the light of site-specific information. <i>Water Resources Research</i> , 2002 , 38, 54-1-54-17	5.4	39
155	An extended Birnbaum-Baunders model and its application in the study of environmental quality in Santiago, Chile. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 771-782	3.5	38
154	Total ozone mapping by integrating databases from remote sensing instruments and empirical models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 991-1008	8.1	36
153	Application of the BME approach to soil texture mapping. <i>Stochastic Environmental Research and Risk Assessment</i> , 2001 , 15, 87-100	3.5	36

152	High-resolution spatiotemporal mapping of PM2.5 concentrations at Mainland China using a combined BME-GWR technique. <i>Atmospheric Environment</i> , 2018 , 173, 295-305	5-3	36
151	Quasi-arithmetic means of covariance functions with potential applications to space-time data. <i>Journal of Multivariate Analysis</i> , 2009 , 100, 1830-1844	1-4	35
150	Spatiotemporal analysis and mapping of sulfate deposition data over Eastern U.S.A.. <i>Atmospheric Environment</i> , 1997 , 31, 3623-3633	5-3	34
149	Renormalization group analysis of permeability upscaling. <i>Stochastic Environmental Research and Risk Assessment</i> , 1999 , 13, 131-161	3-5	34
148	Comparative spatiotemporal analysis of fine particulate matter pollution. <i>Environmetrics</i> , 2009 , 21, 305-317		33
147	Sampling design for classifying contaminant level using annealing search algorithms. <i>Water Resources Research</i> , 1993 , 29, 4063-4076	5-4	32
146	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. <i>Science of the Total Environment</i> , 2020 , 747, 141447	10.2	32
145	A composite space/time approach to studying ozone distribution over eastern united states. <i>Atmospheric Environment</i> , 1998 , 32, 2845-2857	5-3	31
144	Urban-rural disparity of breast cancer and socioeconomic risk factors in China. <i>PLoS ONE</i> , 2015 , 10, e0113572	3-5	30
143	Prediction of soil heavy metal distribution using Spatiotemporal Kriging with trend model. <i>Ecological Indicators</i> , 2015 , 56, 125-133	5-8	29
142	The association between heavy metal soil pollution and stomach cancer: a case study in Hangzhou City, China. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 2481-2490	4-7	28
141	Area disease estimation based on sentinel hospital records. <i>PLoS ONE</i> , 2011 , 6, e23428	3-7	28
140	Multi-perspective analysis and spatiotemporal mapping of air pollution monitoring data. <i>Environmental Science & Technology</i> , 2010 , 44, 6738-44	10-3	28
139	Spatiotemporal analysis of environmental exposure-health effect associations. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000 , 10, 168-87	6-7	28
138	Sampling design for spatially distributed hydrogeologic and environmental processes. <i>Advances in Water Resources</i> , 1992 , 15, 219-237	4-7	28
137	Spatiotemporal infectious disease modeling: a BME-SIR approach. <i>PLoS ONE</i> , 2013 , 8, e72168	3-7	27
136	A BME solution of the inverse problem for saturated groundwater flow. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003 , 17, 354-369	3-5	27
135	Heavy metal contamination assessment of surface sediments of the East Zhejiang coastal area during 2012-2015. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 163, 444-455	7	26

134	Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. <i>BMC Public Health</i> , 2010 , 10, 52	4.1	26
133	Spatial statistics of clustered data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2004 , 18, 147-156	3.5	26
132	Monitoring urban environmental pollution by bivariate control charts: New methodology and case study in Santiago, Chile. <i>Environmetrics</i> , 2019 , 30, e2551	1.3	26
131	Variational calculation of the effective fluid permeability of heterogeneous media. <i>Physical Review E</i> , 1997 , 55, 7288-7298	2.4	25
130	BME-based uncertainty assessment of the Chernobyl fallout. <i>Geoderma</i> , 2005 , 128, 312-324	6.7	25
129	Stochastic Diagrammatic Analysis of Groundwater Flow in Heterogeneous Porous Media. <i>Water Resources Research</i> , 1995 , 31, 1687-1703	5.4	24
128	On the physical geometry concept at the basis of space/time geostatistical hydrology. <i>Advances in Water Resources</i> , 2000 , 23, 799-810	4.7	23
127	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. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 23-33	5.6	22
126	Space-time PM mapping in the severe haze region of Jing-Jin-Ji (China) using a synthetic approach. <i>Environmental Pollution</i> , 2018 , 240, 319-329	9.3	22
125	Spatiotemporal variation of the association between climate dynamics and HFRS outbreaks in Eastern China during 2005-2016 and its geographic determinants. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006554	4.8	22
124	Sampling and kriging spatial means: efficiency and conditions. <i>Sensors</i> , 2009 , 9, 5224-40	3.8	22
123	A study of the breast cancer dynamics in North Carolina. <i>Social Science and Medicine</i> , 1997 , 45, 1503-17	5.1	22
122	Space-time chlorophyll-a retrieval in optically complex waters that accounts for remote sensing and modeling uncertainties and improves remote estimation accuracy. <i>Water Research</i> , 2020 , 171, 115403	12.5	22
121	Spatiotemporal transmission and determinants of typhoid and paratyphoid fever in Hongta District, Yunnan Province, China. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2112	4.8	21
120	Data-driven exploration of 'spatial pattern-time process-driving forces' associations of SARS epidemic in Beijing, China. <i>Journal of Public Health</i> , 2008 , 30, 234-44	3.5	21
119	Practical Calculation of Non-Gaussian Multivariate Moments in Spatiotemporal Bayesian Maximum Entropy Analysis. <i>Mathematical Geosciences</i> , 2001 , 33, 543-568		21
118	Modern statistical analysis and optimal estimation of geotechnical data. <i>Engineering Geology</i> , 1985 , 22, 175-200	6	20
117	A study of the spatiotemporal health impacts of ozone exposure. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 1999 , 9, 322-35	6.7	19

116	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	8.1	19
115	Stochastic perturbation analysis of groundwater flow. Spatially variable soils, semi-infinite domains and large fluctuations. <i>Stochastic Hydrology & Hydraulics</i> , 1993 , 7, 213-239		19
114	El Niño effects on influenza mortality risks in the state of California. <i>Public Health</i> , 2006 , 120, 505-16	4	18
113	Duration of urban mortality for the 14th-century Black Death epidemic. <i>Human Biology</i> , 2005 , 77, 291-303	2	18
112	Stochastic simulation of spatially correlated geo-processes. <i>Mathematical Geosciences</i> , 1987 , 19, 807-831		18
111	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
110	Spatiotemporal analysis and processing of thermometric data over Belgium. <i>Journal of Geophysical Research</i> , 1997 , 102, 25831-25846		17
109	Spatiotemporal modelling and mapping of the bubonic plague epidemic in India. <i>International Journal of Health Geographics</i> , 2006 , 5, 12	3.5	17
108	Boundary condition sensitivity analysis of the stochastic flow equation. <i>Advances in Water Resources</i> , 1996 , 19, 109-120	4.7	17
107	An online spatiotemporal prediction model for dengue fever epidemic in Kaohsiung (Taiwan). <i>Biometrical Journal</i> , 2014 , 56, 428-40	1.5	16
106	Some Applications of the Bayesian, Maximum-Entropy Concept in Geostatistics 1991 , 215-229		16
105	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	4.8	15
104	Spatiotemporal characterization and mapping of PM concentrations in southern Jiangsu Province, China. <i>Environmental Pollution</i> , 2018 , 234, 794-803	9.3	15
103	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	4.8	15
102	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. <i>Atmosphere</i> , 2015 , 6, 1307-1326	2.7	15
101	Efficient mapping of California mortality fields at different spatial scales. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003 , 13, 120-33	6.7	14
100	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	3.5	14
99	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,	2.2	13

98	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	3.5	13
97	Recursive parameter estimation with applications in earth sciences. <i>Journal of the International Association for Mathematical Geology</i> , 1985 , 17, 489-515		13
96	Comparative Performance of the LUR, ANN, and BME Techniques in the Multiscale Spatiotemporal Mapping of PM2.5 Concentrations in North China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1734-1747	4.7	12
95	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	3.1	12
94	Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 815-31	3.1	12
93	Stochastic indicator analysis of contaminated sites. <i>Journal of Applied Probability</i> , 1997 , 34, 988-1008	0.8	12
92	Stochastic analysis of spatiotemporal solute content measurements using a regression model. <i>Stochastic Hydrology & Hydraulics</i> , 1997 , 11, 267-295		12
91	METHODOLOGICAL DEVELOPMENTS IN GEOPHYSICAL ASSIMILATION MODELING. <i>Reviews of Geophysics</i> , 2005 , 43,	23.1	12
90	Critical conceptualism in environmental modeling and prediction. <i>Environmental Science & Technology</i> , 2003 , 37, 4685-93	10.3	12
89	Stochastic Indicators for Waste Site Characterization. <i>Water Resources Research</i> , 1996 , 32, 2563-2578	5.4	12
88	Characterization of atmospheric pollution by means of stochastic indicator parameters. <i>Atmospheric Environment</i> , 1996 , 30, 3811-3823	5.3	12
87	Dynamic stochastic estimation of physical variables. <i>Mathematical Geosciences</i> , 1996 , 28, 341-365		12
86	The intrinsic random field model in the study of sulfate deposition processes. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1521-1540		12
85	A traveling epidemic model of space-time disease spread. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 305-314	3.5	10
84	A novel method for studying population health impacts of spatiotemporal ozone distribution. <i>Social Science and Medicine</i> , 1998 , 47, 1051-66	5.1	10
83	Fitting negative spatial covariances to geothermal field temperatures in Nea Kessani (Greece). <i>Environmetrics</i> , 2007 , 18, 759-773	1.3	10
82	Diagrammatic solutions for hydraulic head moments in 1-D and 2-D bounded domains. <i>Stochastic Hydrology & Hydraulics</i> , 1995 , 9, 269-296		10
81	The development of stochastic space transformation and diagrammatic perturbation techniques in subsurface hydrology. <i>Stochastic Hydrology & Hydraulics</i> , 1993 , 7, 14-32		10

80	A multiple-objective optimal exploration strategy. <i>Mathematical and Computer Modelling</i> , 1988 , 11, 413-418	10
79	Diagrammatic theory of effective hydraulic conductivity. <i>Stochastic Hydrology & Hydraulics</i> , 1997 , 11, 369-395	9
78	An analysis of hydraulic conductivity upscaling. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1997 , 30, 4979-4984	1.3 9
77	A sociological approach to the state of stochastic hydrogeology. <i>Stochastic Environmental Research and Risk Assessment</i> , 2004 , 18, 274	3.5 9
76	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	10.2 8
75	Stochastic indicator analysis of contaminated sites. <i>Journal of Applied Probability</i> , 1997 , 34, 988-1008	0.8 8
74	Assimilation of fuzzy data by the BME method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2004 , 18, 79-90	3.5 8
73	Multiphase flow in heterogeneous porous media from a stochastic differential geometry viewpoint. <i>Water Resources Research</i> , 1998 , 34, 93-102	5.4 8
72	A Geographic Analysis about the Spatiotemporal Pattern of Breast Cancer in Hangzhou from 2008 to 2012. <i>PLoS ONE</i> , 2016 , 11, e0147866	3.7 8
71	Spatiotemporal Co-existence of Female Thyroid and Breast Cancers in Hangzhou, China. <i>Scientific Reports</i> , 2016 , 6, 28524	4.9 8
70	Probabilistic assessment of high concentrations of particulate matter (PM10) in Beijing, China. <i>Atmospheric Pollution Research</i> , 2017 , 8, 1143-1150	4.5 7
69	Improved space-time sea surface salinity mapping in Western Pacific ocean using contingogram modeling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 355-368	3.5 7
68	Analysis and Estimation of Natural Processes with Nonhomogeneous Spatial Variation Using Secondary Information. <i>Mathematical Geosciences</i> , 1998 , 30, 57-76	7
67	Soil behaviour under dynamic loading conditions: experimental procedures and statistical trends. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003 , 17, 175-190	3.5 7
66	Another look at the conceptual fundamentals of porous media upscaling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003 , 17, 276-290	3.5 7
65	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1992 , 30, 55-70	8.1 7
64	The space transformation in the simulation of multidimensional random fields. <i>Mathematics and Computers in Simulation</i> , 1987 , 29, 313-319	3.3 7
63	Integrative Problem-Solving in a Time of Decadence 2011 ,	7

62	The decade long achievements of China's marine ecological civilization construction (2006-2016). <i>Journal of Environmental Management</i> , 2020 , 272, 111077	7.9	7
61	Stochastic Radon operators in porous media hydrodynamics. <i>Quarterly of Applied Mathematics</i> , 1997 , 55, 89-112	0.7	6
60	Revisiting Prior distributions, Part I: Priors based on a physical invariance principle. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007 , 21, 427-434	3.5	6
59	Porous Media Upscaling in Terms of Mathematical Epistemic Cognition. <i>SIAM Journal on Applied Mathematics</i> , 2005 , 66, 433-446	1.8	6
58	A stochastic approach in modelling and estimating geotechnical data. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1987 , 11, 79-102	4	6
57	Space-Time Ground-Level PM2.5 Distribution at the Yangtze River Delta: A Comparison of Kriging, LUR, and Combined BME-LUR Techniques. <i>Journal of Environmental Informatics</i> ,	3	6
56	Uncertainty assessment of PM2.5 contamination mapping using spatiotemporal sequential indicator simulations and multi-temporal monitoring data. <i>Scientific Reports</i> , 2016 , 6, 24335	4.9	6
55	Modeling and Estimation of Heterogeneous Spatiotemporal Attributes Under Conditions of Uncertainty. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 366-376	8.1	5
54	A composite solution method for physical equations and its application in the Nea Kessani geothermal field (Greece). <i>Journal of Geophysical Research</i> , 2007 , 112,		5
53	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	3.5	5
52	Space transformations in the study of multidimensional functions in the hydrologic sciences. <i>Advances in Water Resources</i> , 1986 , 9, 42-48	4.7	5
51	Stochastic Medical Reasoning and Environmental Health Exposure 2014 ,		5
50	Spatiotemporal Random Fields 2017 , 39-81		5
49	Ocean pollution assessment by integrating physical law and site-specific data. <i>Environmetrics</i> , 2019 , 30, e2547	1.3	5
48	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	10.2	5
47	Space-Time Characterization and Risk Assessment of Nutrient Pollutant Concentrations in China's Near Seas. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 4449-4463	3.3	4
46	Estimating spatial attribute means in a GIS environment. <i>Science China Earth Sciences</i> , 2010 , 53, 181-188	4.6	4
45	Bayesian Maximum Entropy [BME]247-306		4

44	Stochastic space transforms in subsurface hydrology [Part 2: Generalized spectral decompositions and plancherel representations. <i>Stochastic Hydrology & Hydraulics</i> , 1994 , 8, 117-138		4
43	On-line estimation of nonlinear physical systems. <i>Mathematical Geosciences</i> , 1988 , 20, 111-133		4
42	Comparative Analysis of COVID-19 Transmission Patterns in Three Chinese Regions vs. South Korea, Italy and Iran		4
41	Improving Spatiotemporal Breast Cancer Assessment and Prediction in Hangzhou City, China. <i>Scientific Reports</i> , 2017 , 7, 3188	4.9	3
40	Stochastic Flowpath Analysis of Multiphase Flow in Random Porous Media. <i>SIAM Journal on Applied Mathematics</i> , 2000 , 60, 1520-1542	1.8	3
39	Optimal estimation of nonlinear state nonlinear observation systems. <i>Journal of Optimization Theory and Applications</i> , 1989 , 62, 29-48	1.6	3
38	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	10.2	3
37	Changes of Wiang Nong Lom and Nong Luang Wetlands in Chiang Saen Valley (Chiang Rai Province, Thailand) During the Period 1988-2017. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4224-4238	4.7	3
36	An AHP-based regional COVID-19 vulnerability model and its application in China. <i>Modeling Earth Systems and Environment</i> , 2021 , 1-14	3.2	3
35	Soft Data Space/Time Mapping of Coarse Particulate Matter Annual Arithmetic Average Over the U.S 2004 , 115-126		3
34	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	2.6	2
33	The cognitive basis of physical modelling. <i>Developments in Water Science</i> , 2004 , 661-669		2
32	Dealing with Spatiotemporal Heterogeneity: The Generalized BME Model. <i>Advances in Spatial Science</i> , 2010 , 75-91	0.4	2
31	Cleopatra's Nose and the Diagrammatic Approach to Flow Modelling in Random Porous Media. <i>Quantitative Geology and Geostatistics</i> , 1994 , 341-358		2
30	Certain results on spatiotemporal random fields and their applications in environmental research 1992 , 287-322		2
29	Spatial Distribution of Cadmium and Zinc in Soils of Northern North Dakota. <i>Agronomy Journal</i> , 2018 , 110, 1666-1680	2.2	1
28			1
27	On the functional optimization of a certain class of nonstationary spatial functions. <i>Journal of Optimization Theory and Applications</i> , 1987 , 52, 191-208	1.6	1

26	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	3.6	1
25	Spatiotemporal variation of the association between sea surface temperature and chlorophyll in global ocean during 2002-2019 based on a novel WCA-BME approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 105, 102620	7.3	1
24	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		1
23	Spatiotemporal Analysis of PM2.5 Exposure in Taipei (Taiwan) by Integrating PM10 and TSP Observations 2011 , 473-492		1
22	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	3.4	1
21	A Study of COVID-19 in the Wuhan, Beijing, Urumqi and Dalian Cities based on the Regional Disease Vulnerability Index. <i>Journal of Infection and Public Health</i> , 2021 ,	7.4	1
20	Bayesian maximum entropy interpolation of sea surface temperature data: A comparative assessment. <i>International Journal of Remote Sensing</i> , 2022 , 43, 148-166	3.1	1
19	Distribution, accumulation and health risk assessment of trace elements in Sargassum fusiforme. <i>Marine Pollution Bulletin</i> , 2021 , 174, 113155	6.7	0
18	Classical geostatistics 2022 , 149-211		0
17	Storm Characterization Using a BME Approach. <i>Contributions To Statistics</i> , 2019 , 271-284	0.1	0
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