Beniamino Murgante

List of Publications by Year
in descending order

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142	2,311	186265	289244
papers	citations	28 h-index	40 g-index

171	171	171	1401
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modelling the impact of urban growth on agriculture and natural land in Italy to 2030. Applied Geography, 2018, 91, 156-167.	3.7	126
2	Assessing Urban Fragmentation at Regional Scale Using Sprinkling Indexes. Sustainability, 2018, 10, 3274.	3.2	74
3	Multiscale mapping of burn area and severity using multisensor satellite data and spatial autocorrelation analysis. International Journal of Applied Earth Observation and Geoinformation, 2013, 20, 42-51.	2.8	68
4	Why Italy First? Health, Geographical and Planning Aspects of the COVID-19 Outbreak. Sustainability, 2020, 12, 5064.	3.2	68
5	The Effects of Urban Policies on the Development of Urban Areas. Sustainability, 2016, 8, 297.	3.2	64
6	Comparing the territorial performances of renewable energy sources' plants with an integrated ecosystem services loss assessment: A case study from the Basilicata region (Italy). Sustainable Cities and Society, 2020, 56, 102082.	10.4	58
7	Ghost planning: the inefficiency of energy sector policies in a low population density region1. Archivio Di Studi Urbani E Regionali, 2020, , 34-55.	0.3	55
8	Management of Cultural Heritage Sites Using Remote Sensing Indices and Spatial Analysis Techniques. Surveys in Geophysics, 2018, 39, 1347-1377.	4.6	51
9	Preserving cultural heritage by supporting landscape planning with quantitative predictions of soil consumption. Journal of Cultural Heritage, 2017, 23, 44-54.	3.3	49
10	Air pollutants and risk of death due to COVID-19 in Italy. Environmental Research, 2021, 192, 110459.	7.5	47
11	Urban Versus Rural. International Journal of Agricultural and Environmental Information Systems, 2011, 2, 16-28.	2.0	46
12	Territorial Fragmentation and Renewable Energy Source Plants: Which Relationship?. Sustainability, 2020, 12, 1828.	3.2	43
13	Kernel Density Estimation Methods for a Geostatistical Approach in Seismic Risk Analysis: The Case Study of Potenza Hilltop Town (Southern Italy). Lecture Notes in Computer Science, 2008, , 415-429.	1.3	42
14	New Urban Agenda and Open Challenges for Urban and Regional Planning. Smart Innovation, Systems and Technologies, 2019, , 282-288.	0.6	42
15	Using geographically weighted regression for housing market segmentation. International Journal of Business Intelligence and Data Mining, 2014, 9, 161.	0.2	41
16	Spatial Open Data for Monitoring Risks and Preserving Archaeological Areas and Landscape: Case Studies at Kom el Shoqafa, Egypt and Shush, Iran. Sustainability, 2017, 9, 572.	3.2	40
17	Using participative GIS and e-tools for involving citizens of Marmo Platanoâ€“Melandro area in European programming activities. Journal of Balkan and Near Eastern Studies, 2011, 13, 97-115.	0.9	38
18	Fuzzy definition of Rural Urban Interface: An application based on land use change scenarios in Portugal. Environmental Modelling and Software, 2018, 104, 171-187.	4.5	38

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19	Supporting planning activities with the assessment and the prediction of urban sprawl using spatio-temporal analysis. Ecological Informatics, 2015, 30, 365-378.	5.2	37
20	Natura 2000 Areas and Sites of National Interest (SNI): Measuring (un)Integration between Naturalness Preservation and Environmental Remediation Policies. Sustainability, 2020, 12, 2928.	3.2	37
21	Evaluation of urban sprawl from space using open source technologies. Ecological Informatics, 2015, 26, 151-161.	5.2	35
22	A SMAP Supervised Classification of Landsat Images for Urban Sprawl Evaluation. ISPRS International Journal of Geo-Information, 2016, 5, 109.	2.9	34
23	Regional Local Development Strategies Benefiting from Open Data and Open Tools and an Outlook on the Renewable Energy Sources Contribution. Green Energy and Technology, 2016, , 275-290.	0.6	34
24	Quantifying Urban Sprawl with Spatial Autocorrelation Techniques using Multi-Temporal Satellite Data. International Journal of Agricultural and Environmental Information Systems, 2014, 5, 19-37.	2.0	33
25	Spatial Indicators to Evaluate Urban Fragmentation in Basilicata Region. Lecture Notes in Computer Science, 2018, , 100-112.	1.3	31
26	Modeling urban sprinkling with cellular automata. Sustainable Cities and Society, 2021, 65, 102586.	10.4	31
27	Enhancing Memorable Experiences, Tourist Satisfaction, and Revisit Intention through Smart Tourism Technologies. Sustainability, 2022, 14, 2721.	3.2	31
28	Smart Cities in a Smart World. Springer Optimization and Its Applications, 2015, , 13-35.	0.9	30
29	Visual Impact Assessment in Urban Planning. Studies in Computational Intelligence, 2009, , 133-146.	0.9	29
30	Cities and Smartness: A Critical Analysis of Opportunities and Risks. Lecture Notes in Computer Science, 2013, , 630-642.	1.3	29
31	Geocomputation and Urban Planning. Studies in Computational Intelligence, 2009, , 1-17.	0.9	28
32	The Social Cost of Urban Sprinkling. Sustainability, 2020, 12, 2236.	3.2	27
33	Sustainable Development: Concepts and Methods for Its Application in Urban and Environmental Planning. Studies in Computational Intelligence, 2011, , 1-15.	0.9	27
34	The Prediction and Assessment of the Impacts of Soil Sealing on Agricultural Land in the North Nile Delta (Egypt) Using Satellite Data and GIS Modeling. Sustainability, 2019, 11, 4662.	3.2	26
35	Landslide Susceptibility Mapping Using Artificial Neural Network in the Urban Area of Senise and San Costantino Albanese (Basilicata, Southern Italy). Lecture Notes in Computer Science, 2013, , 473-488.	1.3	26
36	Urbanization patterns in Iran visualized through spatial auto-correlation analysis. Spatial Information Research, 2017, 25, 627-633.	2.2	23

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37	Increasing Urban Walkability through Citizensâ€™ Participation Processes. Sustainability, 2021, 13, 5835.	3.2	23
38	Thinking about resilient cities: studying Italian earthquakes. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2016, 169, 185-199.	0.7	22
39	Overcoming Interoperability Weaknesses in e-Government Processes: Organizing and Sharing Knowledge in Regional Development Programs Using Ontologies. Communications in Computer and Information Science, 2010, , 243-253.	0.5	21
40	Thatâ€™s ReDO: Ontologies and Regional Development Planning. Lecture Notes in Computer Science, 2012, , 640-652.	1.3	21
41	Conflicts and Sustainable Planning: Peculiar Instances Coming from Val Dâ€™agri Structural Inter-municipal Plan. Green Energy and Technology, 2018, , 163-177.	0.6	19
42	Morphotectonic study of the Brahmaputra basin using geoinformatics. Journal of the Geological Society of India, 2015, 86, 324-330.	1.1	17
43	Conflicts Between Environmental Protection and Energy Regeneration of the Historic Heritage in the Case of the City of Matera: Tools for Assessing and Dimensioning of Sustainable Energy Action Plans (SEAP). Lecture Notes in Computer Science, 2017, , 527-539.	1.3	17
44	Analyzing Migration Phenomena with Spatial Autocorrelation Techniques. Lecture Notes in Computer Science, 2012, , 670-685.	1.3	17
45	Population-Based Simulation of Urban Growth: The Italian Case Study. Sustainability, 2018, 10, 4838.	3.2	16
46	Energy Landscape Fragmentation: Basilicata Region (Italy) Study Case. Lecture Notes in Computer Science, 2019, , 692-700.	1.3	16
47	Spatial Autocorrelation Analysis for the Evaluation of Migration Flows: The Italian Case. Lecture Notes in Computer Science, 2010, , 62-76.	1.3	16
48	Carbon Stock as an Indicator for the Estimation of Anthropic Pressure on Territorial Components. Lecture Notes in Computer Science, 2018, , 697-711.	1.3	15
49	Hybrid Oriented Sustainable Urban Development: A Pattern of Low-Carbon Access to Schools in the City of Potenza. Lecture Notes in Computer Science, 2020, , 193-205.	1.3	14
50	Smart City or Smurfs City. Lecture Notes in Computer Science, 2014, , 738-749.	1.3	14
51	The Dynamics of Urban Land Rent in Italian Regional Capital Cities. Land, 2017, 6, 54.	2.9	13
52	Cyclable City: A Territorial Assessment Procedure for Disruptive Policy-Making on Urban Mobility. Lecture Notes in Computer Science, 2019, , 291-307.	1.3	13
53	Early estimation of ground displacements and building damage after seismic events using SAR and LiDAR data: The case of the Amatrice earthquake in central Italy, on 24th August 2016. International Journal of Disaster Risk Reduction, 2020, 51, 101924.	3.9	13
54	Citizens Participation in Improving Rural Communities Quality of Life. Lecture Notes in Computer Science, 2015, , 731-746.	1.3	13

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55	Cultural Heritage Management Using Analysis of Satellite Images and Advanced GIS Techniques at East Luxor, Egypt and Kangavar, Iran (A Comparison Case Study). Lecture Notes in Computer Science, 2017, , 152-168.	1.3	12
56	Investigating Territorial Specialization in Tourism Sector by Ecosystem Services Approach. Progress in IS, 2019, , 161-179.	0.6	12
57	Wiki-Planning. Advances in Geospatial Technologies Book Series, 2013, , 345-359.	0.2	12
58	Characterization of URM buildings and evaluation of damages in a historical center for the seismic risk mitigation and emergency management. International Journal of Disaster Risk Reduction, 2017, 24, 251-263.	3.9	11
59	Innovation, technologies, participation: new paradigms towards a 2.0 citizenship. International Journal of Electronic Governance, 2019, 11, 62.	0.2	11
60	The pathology of housing policies in Iran: a criterion-based analysis. International Journal of Housing Markets and Analysis, 2019, 13, 453-473.	1.1	11
61	Calling for an Integrated Computational Systems Modelling Framework for Life Cycle Sustainability Analysis. Journal of Environmental Accounting and Management, 2015, 3, 213-216.	0.5	11
62	Geotourism as a Specialization in the Territorial Context of the Basilicata Region (Southern Italy). Geoheritage, 2019, 11, 1435-1445.	2.8	10
63	Ecosystem Services Approach to Evaluate Renewable Energy Plants Effects. Lecture Notes in Computer Science, 2019, , 281-290.	1.3	10
64	Crowd-Cloud Tourism, New Approaches to Territorial Marketing. Lecture Notes in Computer Science, 2011, , 265-276.	1.3	10
65	Evolution of Soil Consumption in the Municipality of Melfi (Southern Italy) in Relation to Renewable Energy. Lecture Notes in Computer Science, 2019, , 675-682.	1.3	9
66	Using Spatial Autocorrelation Techniques and Multi-temporal Satellite Data for Analyzing Urban Sprawl. Lecture Notes in Computer Science, 2012, , 512-527.	1.3	9
67	Resilient City and Seismic Risk: A Spatial Multicriteria Approach. Lecture Notes in Computer Science, 2011, , 410-422.	1.3	8
68	Geomorphological and geophysical surveys with InSAR analysis applied to the Picerno earth flow (southern Apennines, Italy). Landslides, 2021, 18, 471-483.	5.4	8
69	Remote Sensing and Spatial Analysis for Land-Take Assessment in Basilicata Region (Southern Italy). Remote Sensing, 2022, 14, 1692.	4.0	8
70	G.I.S. and Fuzzy Sets for the Land Suitability Analysis. Lecture Notes in Computer Science, 2004, , 1036-1045.	1.3	7
71	Resistance and Resilience. A Methodological Approach for Cities and Territories in Italy. Lecture Notes in Computer Science, 2021, , 218-229.	1.3	7
72	Involving Citizens in Public Space Regeneration: The Experience of â€œGarden in Motionâ€• Lecture Notes in Computer Science, 2014, , 723-737.	1.3	7

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73	Measuring Territorial Specialization in Tourism Sector: The Basilicata Region Case Study. Lecture Notes in Computer Science, 2017, , 540-553.	1.3	7
74	3D Simulations in Environmental Impact Assessment. Lecture Notes in Computer Science, 2008, , 430-443.	1.3	7
75	SMART SUSTAINABLE ISLANDS VS SMART SUSTAINABLE CITIES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4/W3, 45-53.	0.0	7
76	Analyzing Neighbourhoods Suitable for Urban Renewal Programs with Autocorrelation Techniques. , 2012, , .		6
77	A Multiple Criteria Decision-Making Approach to Evaluate the Sustainability Indicators in the Villagersâ€™ Lives in Iran with Emphasis on Earthquake Hazard: A Case Study. Sustainability, 2017, 9, 1491.	3.2	6
78	Application of field surveys and multitemporal in-SAR interferometry analysis in the recognition of deep-seated gravitational slope deformation of an urban area of Southern Italy. Geomatics, Natural Hazards and Risk, 2019, 10, 1327-1345.	4.3	6
79	Factors Affecting the Lut Desert Tourism in Iran: Developing an Interpretive-Structural Model. Sustainability, 2021, 13, 7245.	3.2	6
80	Where are the slums? New approaches to urban regeneration. , 2008, , 176-186.		6
81	Geostatistics in Historical Macroseismic Data Analysis. Lecture Notes in Computer Science, 2009, , 324-341.	1.3	6
82	Identifying Viewshed: New Approaches to Visual Impact Assessment. Studies in Computational Intelligence, 2011, , 73-89.	0.9	6
83	Ontology and Spatial Planning. Lecture Notes in Computer Science, 2011, , 255-264.	1.3	6
84	Increasing the Walkability Level Through a Participation Process. Lecture Notes in Computer Science, 2018, , 113-124.	1.3	5
85	A Comparative Analysis of Temporal Changes in Urban Land Use Resorting to Advanced Remote Sensing and GIS in Karaj, Iran and Luxor, Egypt. Lecture Notes in Computer Science, 2019, , 689-703.	1.3	5
86	Soil Ecosystem Services and Sediment Production: The Basilicata Region Case Study. Lecture Notes in Computer Science, 2020, , 421-435.	1.3	5
87	Assessing the Impact of Land Use Changes on Ecosystem Services Value. Lecture Notes in Computer Science, 2020, , 606-616.	1.3	5
88	Border Tourism Development Strategies in Kaleybar Compared to Regional Rivals. Sustainability, 2021, 13, 11400.	3.2	5
89	Open Source Resources and Web 2.0 Potentialities for a New Democratic Approach in Programming Practices. Lecture Notes in Computer Science, 2009, , 228-237.	1.3	5
90	A Geostatistical Approach to Measure Shrinking Cities: The Case of Taranto. Contributions To Statistics, 2013, , 119-142.	0.2	4

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91	Assessment and Monitoring of Soil Erosion Risk and Land Degradation in Arable Land Combining Remote Sensing Methodologies and RUSLE Factors. Lecture Notes in Computer Science, 2021, , 704-716.	1.3	4
92	Assessment of Post Fire Soil Erosion with ESA Sentinel-2 Data and RUSLE Method in Apulia Region (Southern Italy). Lecture Notes in Computer Science, 2020, , 590-603.	1.3	4
93	Geomorphological Fragility and Mass Movements of the Archaeological Area of â€œTorre di Satrianoâ€• (Basilicata, Southern Italy). Lecture Notes in Computer Science, 2014, , 495-510.	1.3	4
94	Integrated Geological, Geomorphological and Geostatistical Analysis to Study Macroseismic Effects of 1980 Irpinian Earthquake in Urban Areas (Southern Italy). Lecture Notes in Computer Science, 2009, , 50-65.	1.3	4
95	Web 3.0 and Knowledge Management: Opportunities for Spatial Planning and Decision Making. Lecture Notes in Computer Science, 2013, , 606-621.	1.3	4
96	An Ecosystem Services-Based Territorial Ranking for Italian Provinces. Lecture Notes in Computer Science, 2021, , 692-702.	1.3	3
97	Development Strategies of Agro-Food Sector in Basilicata Region (Italy): Evidence from INNOVAGRO Project. Lecture Notes in Computer Science, 2019, , 347-356.	1.3	3
98	Impact of Renewable Energy Installations on Habitat Quality. Lecture Notes in Computer Science, 2020, , 636-644.	1.3	3
99	Conversation About the City: Urban Commons and Connected Citizenship. Lecture Notes in Computer Science, 2016, , 608-623.	1.3	3
100	InteroperabilitÅ• semantica e pianificazione territoriale. Scienze Regionali, 2011, , 135-144.	0.1	3
101	Evaluation of Spatial Variables Related to the Provision of Essential Services in the Basilicata Region. Lecture Notes in Computer Science, 2022, , 344-353.	1.3	3
102	The Effects of Socio-Economic Variables in Urban Growth Simulations. Procedia, Social and Behavioral Sciences, 2016, 223, 371-378.	0.5	2
103	A Comparative Study Employing CIA Methods in Knowledge-Based Urban Development with Emphasis on Affordable Housing in Iranian Cities (Case: Tabriz). Lecture Notes in Computer Science, 2017, , 485-501.	1.3	2
104	The Shape of Settlement Fabric and Geomorphology: the Case Studies of Pisticci and Corleto Perticara (Basilicata, Italy). Geoheritage, 2019, 11, 1521-1531.	2.8	2
105	Smart city as the city of knowledge. , 2021, , 211-232.		2
106	A Remote Sensing and Geo-Informatics Approach in Watershed Planning of Irrigation Tanks Connected with Batticaloa Lagoon: A Case Study of Unnichchai Watershed. , 2016, , 195-206.		2
107	GI2NK Geographic Information: Need to Know Towards a More Demand-Driven Geospatial Workforce Education/Training System. Lecture Notes in Computer Science, 2016, , 561-572.	1.3	2
108	High-Detail Damage Pattern in Towns Hit by Earthquakes of the Past: An Approach to Evaluate the Reliability of the Historical Sources. , 2014, , 105-125.		2

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109	Drawing Variables & Weighted Values of Climate & Energy for School Facilities intended to correct Repair & Replacement Standard. Life-cycle of Civil Engineering Systems, 2014, , 1838-1844.	0.1	2
110	SPATIALIZING OPEN DATA FOR THE ASSESSMENT AND THE IMPROVEMENT OF TERRITORIAL AND SOCIAL COHESION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4/W1, 145-151.	0.0	2
111	An Integrated Methodology for Medieval Landscape Reconstruction: The Case Study of Monte Serico. Lecture Notes in Computer Science, 2009, , 328-340.	1.3	2
112	Building ontologies for disaster management. , 2009, , .		2
113	The Design of an Urban Atlas to Spread Information Concerning the Growth of Anthropic Settlements in Basilicata Region. Lecture Notes in Computer Science, 2020, , 214-225.	1.3	2
114	Habitat Degradation: A Comparative Study Between Tomar (PT) and Potenza (IT). Lecture Notes in Computer Science, 2020, , 645-654.	1.3	2
115	Urban Versus Rural. , 0, , 154-166.		2
116	RES and Habitat Quality: Ecosystem Services Evidence Based Analysis in Basilicata Area. Smart Innovation, Systems and Technologies, 2021, , 1714-1721.	0.6	2
117	Plan4all: European Network of Best Practices for Interoperability of Spatial Planning Information. , 2011, , .		1
118	Analyzing urban sprawl applying spatial autocorrelation techniques to multi-temporal satellite data. , 2013, , 167-176.		1
119	Computational Science and Its Applications -- ICCSA 2015. Lecture Notes in Computer Science, 2015, , .	1.3	1
120	Analyzing Effective Factors on Urban Growth Management Focusing on Remote Sensing Indices in Karaj, Iran. Lecture Notes in Computer Science, 2017, , 469-484.	1.3	1
121	Impact Evaluation: An Experiment on Development Policies in Agri Valley (Basilicata, Italy) Compared with New Urban Agenda Themes. Lecture Notes in Computer Science, 2021, , 621-633.	1.3	1
122	A Remote Sensing and Geo-Statistical Approaches to Mapping Burn Areas in Apulia Region (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	1
123	Integrated Assessment of the Anthropic Pressure Level on Natural Water Bodies: The Case Study of the Noce River (Basilicata, Italy). Lecture Notes in Computer Science, 2019, , 269-278.	1.3	1
124	Deep-Seated Gravitational Slope Deformation in Urban Areas Matching Field and in-SAR Interferometry Surveys: The Case Study of the Episcopia Village, Southern Italy. Lecture Notes in Computer Science, 2017, , 662-674.	1.3	1
125	Change Detection and Classification of Seismic Damage with LiDAR and RADAR Surveys in Supporting Emergency Planning. The Case of Amatrice. Lecture Notes in Computer Science, 2017, , 722-731.	1.3	1
126	A Quantitative Measure of Habitat Quality to Support the Implementation of Sustainable Urban Planning Measures. Lecture Notes in Computer Science, 2017, , 585-600.	1.3	1

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127	Assessing Macroseismic Data Reliability through Rough Set Theory: The Case of Rapolla (Basilicata,) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	1
128	Assessing Macroseismic Data Reliability through Rough Set Theory: Application on Vulture Area (Basilicata, Southern Italy). Smart Innovation, Systems and Technologies, 2010, , 279-288.	0.6	1
129	A Geospatial approach to determine Lake Depth and Configuration of Reingkhyongkine (Pukur Para) Lake, Rangamati Hill District, Bangladesh with Multi-Temporal Satellite data. Journal of Environmental Accounting and Management, 2015, 3, 243-258.	0.5	1
130	Urban Solar Energy Potential in Europe. Lecture Notes in Computer Science, 2016, , 443-453.	1.3	1
131	Modeling the Determinants of Urban Fragmentation and Compaction Phenomena in the Province of Matera (Basilicata Region - Italy). Lecture Notes in Computer Science, 2020, , 566-574.	1.3	1
132	Analyzing the Driving Factors of Urban Transformation in the Province of Potenza (Basilicata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.3	1
133	Best Practices of Agro-Food Sector in Basilicata Region (Italy): Evidences from INNOVAGRO Project. Smart Innovation, Systems and Technologies, 2021, , 1706-1713.	0.6	1
134	Correction to: Computational Science and Its Applications â€“ ICCSA 2021. Lecture Notes in Computer Science, 2021, , C1-C1.	1.3	1
135	Spatial Autocorrelation Analysis for New FUA Inner Strategic Asset: A Case Study of the Metropolitan City of Milan, Italy. Journal of the Urban Planning and Development Division, ASCE, 2022, 148, .	1.7	1
136	Investigating the (Un)Integration Between Sectoral Policies with the Habitat Degradation Model. Lecture Notes in Civil Engineering, 2021, , 121-129.	0.4	0
137	Using Environmental Geostatistics for the Geochemical Characterization of Soils from the Polluted Site of National Interest of Tito (PZ â€“ Italy). Studies in Computational Intelligence, 2011, , 123-144.	0.9	0
138	Computational Algorithms for Sustainability Assessment. Journal of Environmental Accounting and Management, 2015, 3, 87-88.	0.5	0
139	Investigating Urban Growth Dynamic â€“ Land Surface Temperature Relationship. Lecture Notes in Computer Science, 2019, , 701-710.	1.3	0
140	Quantifying Urban Sprawl With Spatial Autocorrelation Techniques Using Multi-Temporal Satellite Data. , 2019, , 1624-1644.		0
141	Una proposta metodologica per valutare e gestire rischi ambientali-sanitari in Italia. Territorio, 2022, , 48-54.	0.1	0
142	Quantitative assessment of local warming based on urban dynamics. , 2022, , 277-289.		0