

Beniamino Murgante

List of Publications by Year in descending order

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142
papers

2,311
citations

186265

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h-index

289244

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171
docs citations

171
times ranked

1401
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Memorable Experiences, Tourist Satisfaction, and Revisit Intention through Smart Tourism Technologies. Sustainability, 2022, 14, 2721.	3.2	31
2	Remote Sensing and Spatial Analysis for Land-Take Assessment in Basilicata Region (Southern Italy). Remote Sensing, 2022, 14, 1692.	4.0	8
3	Una proposta metodologica per valutare e gestire rischi ambientali-sanitari in Italia. Territorio, 2022, , 48-54.	0.1	0
4	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
5	Quantitative assessment of local warming based on urban dynamics. , 2022, , 277-289.		0
6	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
7	Geomorphological and geophysical surveys with InSAR analysis applied to the Picerno earth flow (southern Apennines, Italy). Landslides, 2021, 18, 471-483.	5.4	8
8	Modeling urban sprinkling with cellular automata. Sustainable Cities and Society, 2021, 65, 102586.	10.4	31
9	Air pollutants and risk of death due to COVID-19 in Italy. Environmental Research, 2021, 192, 110459.	7.5	47
10	An Ecosystem Services-Based Territorial Ranking for Italian Provinces. Lecture Notes in Computer Science, 2021, , 692-702.	1.3	3
11	Investigating the (Un)Integration Between Sectoral Policies with the Habitat Degradation Model. Lecture Notes in Civil Engineering, 2021, , 121-129.	0.4	0
12	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
13	Resistance and Resilience. A Methodological Approach for Cities and Territories in Italy. Lecture Notes in Computer Science, 2021, , 218-229.	1.3	7
14	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
15	Smart city as the city of knowledge. , 2021, , 211-232.		2
16	Increasing Urban Walkability through Citizensâ€™ Participation Processes. Sustainability, 2021, 13, 5835.	3.2	23
17	Factors Affecting the Lut Desert Tourism in Iran: Developing an Interpretive-Structural Model. Sustainability, 2021, 13, 7245.	3.2	6
18	A Remote Sensing and Geo-Statistical Approaches to Mapping Burn Areas in Apulia Region (Southern) Tj ETQqO 0 0 rgBT /Overlock 10 T	1.3	1

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19	Border Tourism Development Strategies in Kaleybar Compared to Regional Rivals. Sustainability, 2021, 13, 11400.	3.2	5
20	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
21	RES and Habitat Quality: Ecosystem Services Evidence Based Analysis in Basilicata Area. Smart Innovation, Systems and Technologies, 2021, , 1714-1721.	0.6	2
22	Correction to: Computational Science and Its Applications " ICCSA 2021. Lecture Notes in Computer Science, 2021, , C1-C1.	1.3	1
23	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
24	Territorial Fragmentation and Renewable Energy Source Plants: Which Relationship?. Sustainability, 2020, 12, 1828.	3.2	43
25	Why Italy First? Health, Geographical and Planning Aspects of the COVID-19 Outbreak. Sustainability, 2020, 12, 5064.	3.2	68
26	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
27	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
28	The Social Cost of Urban Sprinkling. Sustainability, 2020, 12, 2236.	3.2	27
29	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
30	Soil Ecosystem Services and Sediment Production: The Basilicata Region Case Study. Lecture Notes in Computer Science, 2020, , 421-435.	1.3	5
31	Assessing the Impact of Land Use Changes on Ecosystem Services Value. Lecture Notes in Computer Science, 2020, , 606-616.	1.3	5
32	Impact of Renewable Energy Installations on Habitat Quality. Lecture Notes in Computer Science, 2020, , 636-644.	1.3	3
33	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
34	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
35	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
36	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

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37	Habitat Degradation: A Comparative Study Between Tomar (PT) and Potenza (IT). Lecture Notes in Computer Science, 2020, , 645-654.	1.3	2
38	Analyzing the Driving Factors of Urban Transformation in the Province of Potenza (Basilicata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.3	1
39	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
40	Geotourism as a Specialization in the Territorial Context of the Basilicata Region (Southern Italy). Geoheritage, 2019, 11, 1435-1445.	2.8	10
41	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
42	Cyclable City: A Territorial Assessment Procedure for Disruptive Policy-Making on Urban Mobility. Lecture Notes in Computer Science, 2019, , 291-307.	1.3	13
43	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
44	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
45	Innovation, technologies, participation: new paradigms towards a 2.0 citizenship. International Journal of Electronic Governance, 2019, 11, 62.	0.2	11
46	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
47	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
48	Energy Landscape Fragmentation: Basilicata Region (Italy) Study Case. Lecture Notes in Computer Science, 2019, , 692-700.	1.3	16
49	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
50	Ecosystem Services Approach to Evaluate Renewable Energy Plants Effects. Lecture Notes in Computer Science, 2019, , 281-290.	1.3	10
51	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
52	New Urban Agenda and Open Challenges for Urban and Regional Planning. Smart Innovation, Systems and Technologies, 2019, , 282-288.	0.6	42
53	Investigating Territorial Specialization in Tourism Sector by Ecosystem Services Approach. Progress in IS, 2019, , 161-179.	0.6	12
54	Investigating Urban Growth Dynamic " Land Surface Temperature Relationship. Lecture Notes in Computer Science, 2019, , 701-710.	1.3	0

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55	Quantifying Urban Sprawl With Spatial Autocorrelation Techniques Using Multi-Temporal Satellite Data. , 2019, , 1624-1644.		0
56	Modelling the impact of urban growth on agriculture and natural land in Italy to 2030. Applied Geography, 2018, 91, 156-167.	3.7	126
57	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
58	Population-Based Simulation of Urban Growth: The Italian Case Study. Sustainability, 2018, 10, 4838.	3.2	16
59	Management of Cultural Heritage Sites Using Remote Sensing Indices and Spatial Analysis Techniques. Surveys in Geophysics, 2018, 39, 1347-1377.	4.6	51
60	Assessing Urban Fragmentation at Regional Scale Using Sprinkling Indexes. Sustainability, 2018, 10, 3274.	3.2	74
61	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
62	Spatial Indicators to Evaluate Urban Fragmentation in Basilicata Region. Lecture Notes in Computer Science, 2018, , 100-112.	1.3	31
63	Increasing the Walkability Level Through a Participation Process. Lecture Notes in Computer Science, 2018, , 113-124.	1.3	5
64	Conflicts and Sustainable Planning: Peculiar Instances Coming from Val D'Agri Structural Inter-municipal Plan. Green Energy and Technology, 2018, , 163-177.	0.6	19
65	Preserving cultural heritage by supporting landscape planning with quantitative predictions of soil consumption. Journal of Cultural Heritage, 2017, 23, 44-54.	3.3	49
66	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
67	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
68	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
69	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
70	Urbanization patterns in Iran visualized through spatial auto-correlation analysis. Spatial Information Research, 2017, 25, 627-633.	2.2	23
71	The Dynamics of Urban Land Rent in Italian Regional Capital Cities. Land, 2017, 6, 54.	2.9	13
72	A Multiple Criteria Decision-Making Approach to Evaluate the Sustainability Indicators in the Villagers' Lives in Iran with Emphasis on Earthquake Hazard: A Case Study. Sustainability, 2017, 9, 1491.	3.2	6

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73	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
74	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
75	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
76	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
77	Measuring Territorial Specialization in Tourism Sector: The Basilicata Region Case Study. Lecture Notes in Computer Science, 2017, , 540-553.	1.3	7
78	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
79	The Effects of Urban Policies on the Development of Urban Areas. Sustainability, 2016, 8, 297.	3.2	64
80	A SMAP Supervised Classification of Landsat Images for Urban Sprawl Evaluation. ISPRS International Journal of Geo-Information, 2016, 5, 109.	2.9	34
81	The Effects of Socio-Economic Variables in Urban Growth Simulations. Procedia, Social and Behavioral Sciences, 2016, 223, 371-378.	0.5	2
82	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
83	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
84	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
85	Conversation About the City: Urban Commons and Connected Citizenship. Lecture Notes in Computer Science, 2016, , 608-623.	1.3	3
86	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
87	Urban Solar Energy Potential in Europe. Lecture Notes in Computer Science, 2016, , 443-453.	1.3	1
88	Computational Science and Its Applications -- ICCSA 2015. Lecture Notes in Computer Science, 2015, , .	1.3	1
89	Morphotectonic study of the Brahmaputra basin using geoinformatics. Journal of the Geological Society of India, 2015, 86, 324-330.	1.1	17
90	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

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91	Evaluation of urban sprawl from space using open source technologies. Ecological Informatics, 2015, 26, 151-161.	5.2	35
92	Smart Cities in a Smart World. Springer Optimization and Its Applications, 2015, , 13-35.	0.9	30
93	Citizens Participation in Improving Rural Communities Quality of Life. Lecture Notes in Computer Science, 2015, , 731-746.	1.3	13
94	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
95	Computational Algorithms for Sustainability Assessment. Journal of Environmental Accounting and Management, 2015, 3, 87-88.	0.5	0
96	A Geospatial approach to determine Lake Depth and Configuration of Reingkhongkine (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
97	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
98	Using geographically weighted regression for housing market segmentation. International Journal of Business Intelligence and Data Mining, 2014, 9, 161.	0.2	41
99	Involving Citizens in Public Space Regeneration: The Experience of "Garden in Motion". Lecture Notes in Computer Science, 2014, , 723-737.	1.3	7
100	Smart City or Smurfs City. Lecture Notes in Computer Science, 2014, , 738-749.	1.3	14
101	Geomorphological Fragility and Mass Movements of the Archaeological Area of "Torre di Satriano" (Basilicata, Southern Italy). Lecture Notes in Computer Science, 2014, , 495-510.	1.3	4
102	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
103	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
104	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
105	A Geostatistical Approach to Measure Shrinking Cities: The Case of Taranto. Contributions To Statistics, 2013, , 119-142.	0.2	4
106	Analyzing urban sprawl applying spatial autocorrelation techniques to multi-temporal satellite data. , 2013, , 167-176.		1
107	Cities and Smartness: A Critical Analysis of Opportunities and Risks. Lecture Notes in Computer Science, 2013, , 630-642.	1.3	29
108	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

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109	Wiki-Planning. Advances in Geospatial Technologies Book Series, 2013, , 345-359.	0.2	12
110	Web 3.0 and Knowledge Management: Opportunities for Spatial Planning and Decision Making. Lecture Notes in Computer Science, 2013, , 606-621.	1.3	4
111	Analyzing Neighbourhoods Suitable for Urban Renewal Programs with Autocorrelation Techniques. , 2012, , .		6
112	That's ReDO: Ontologies and Regional Development Planning. Lecture Notes in Computer Science, 2012, , 640-652.	1.3	21
113	Analyzing Migration Phenomena with Spatial Autocorrelation Techniques. Lecture Notes in Computer Science, 2012, , 670-685.	1.3	17
114	Using Spatial Autocorrelation Techniques and Multi-temporal Satellite Data for Analyzing Urban Sprawl. Lecture Notes in Computer Science, 2012, , 512-527.	1.3	9
115	Resilient City and Seismic Risk: A Spatial Multicriteria Approach. Lecture Notes in Computer Science, 2011, , 410-422.	1.3	8
116	Urban Versus Rural. International Journal of Agricultural and Environmental Information Systems, 2011, 2, 16-28.	2.0	46
117	Plan4all: European Network of Best Practices for Interoperability of Spatial Planning Information. , 2011, , .		1
118	Using participative GIS and e-tools for involving citizens of Marmo Platano "Melandro area in European programming activities. Journal of Balkan and Near Eastern Studies, 2011, 13, 97-115.	0.9	38
119	Sustainable Development: Concepts and Methods for Its Application in Urban and Environmental Planning. Studies in Computational Intelligence, 2011, , 1-15.	0.9	27
120	Identifying Viewshed: New Approaches to Visual Impact Assessment. Studies in Computational Intelligence, 2011, , 73-89.	0.9	6
121	Crowd-Cloud Tourism, New Approaches to Territorial Marketing. Lecture Notes in Computer Science, 2011, , 265-276.	1.3	10
122	Ontology and Spatial Planning. Lecture Notes in Computer Science, 2011, , 255-264.	1.3	6
123	Using Environmental Geostatistics for the Geochemical Characterization of Soils from the Polluted Site of National Interest of Tito (PZ " Italy). Studies in Computational Intelligence, 2011, , 123-144.	0.9	0
124	Interoperabilit� semantica e pianificazione territoriale. Scienze Regionali, 2011, , 135-144.	0.1	3
125	Spatial Autocorrelation Analysis for the Evaluation of Migration Flows: The Italian Case. Lecture Notes in Computer Science, 2010, , 62-76.	1.3	16
126	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

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127	Assessing Macroseismic Data Reliability through Rough Set Theory: The Case of Rapolla (Basilicata,) Tj ETQq1 1 0.784314 rgBT /Overlo	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	Geocomputation and Urban Planning. Studies in Computational Intelligence, 2009, , 1-17.	0.9	28
130	Visual Impact Assessment in Urban Planning. Studies in Computational Intelligence, 2009, , 133-146.	0.9	29
131	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
132	Geostatistics in Historical Macroseismic Data Analysis. Lecture Notes in Computer Science, 2009, , 324-341.	1.3	6
133	An Integrated Methodology for Medieval Landscape Reconstruction: The Case Study of Monte Serico. Lecture Notes in Computer Science, 2009, , 328-340.	1.3	2
134	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
135	Building ontologies for disaster management. , 2009, , .		2
136	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
137	Where are the slums? New approaches to urban regeneration. , 2008, , 176-186.		6
138	3D Simulations in Environmental Impact Assessment. Lecture Notes in Computer Science, 2008, , 430-443.	1.3	7
139	G.I.S. and Fuzzy Sets for the Land Suitability Analysis. Lecture Notes in Computer Science, 2004, , 1036-1045.	1.3	7
140	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
141	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
142	Urban Versus Rural. , 0, , 154-166.		2