Bernd Resch

List of Publications by Year
in descending order

84	2,533	249298	242451
papers	citations	26	47
		h-index	g-index

87	87	87	3221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adapting mobile map application designs to map use context: a review and call for action on potential future research themes. Cartography and Geographic Information Science, 2022, 49, 237-251.	1.4	12
2	TraceBERTâ€"A Feasibility Study on Reconstructing Spatialâ€"Temporal Gaps from Incomplete Motion Trajectories via BERT Training Process on Discrete Location Sequences. Sensors, 2022, 22, 1682.	2.1	3
3	Commuter Mobility Patterns in Social Media: Correlating Twitter and LODES Data. ISPRS International Journal of Geo-Information, 2022, 11, 15.	1.4	3
4	Greenwashing in the US metal industry? A novel approach combining SO2 concentrations from satellite data, a plant-level firm database and web text mining. Science of the Total Environment, 2022, 835, 155512.	3.9	2
5	Applying Spatial Video Geonarratives and Physiological Measurements to Explore Perceived Safety in Baton Rouge, Louisiana. International Journal of Environmental Research and Public Health, 2021, 18, 1284.	1.2	3
6	An early warning approach to monitor COVID-19 activity with multiple digital traces in near real time. Science Advances, 2021, 7, .	4.7	114
7	Evaluating the Representativeness of Socio-Demographic Variables over Time for Geo-Social Media Data. ISPRS International Journal of Geo-Information, 2021, 10, 323.	1.4	3
8	Spatio-Temporal Machine Learning Analysis of Social Media Data and Refugee Movement Statistics. ISPRS International Journal of Geo-Information, 2021, 10, 498.	1.4	2
9	The role of user context in the design of mobile map applications. Cartography and Geographic Information Science, 2021, 48, 432-448.	1.4	11
10	Portability of semantic and spatialâ€"temporal machine learning methods to analyse social media for near-real-time disaster monitoring. Natural Hazards, 2021, 108, 2939-2969.	1.6	8
11	#AllforJan: How Twitter Users in Europe Reacted to the Murder of JÃ¡n Kuciakâ€"Revealing Spatiotemporal Patterns through Sentiment Analysis and Topic Modeling. ISPRS International Journal of Geo-Information, 2021, 10, 585.	1.4	5
12	Modeling Patterns in Map Use Contexts and Mobile Map Design Usability. ISPRS International Journal of Geo-Information, 2021, 10, 527.	1.4	7
13	Composition of place: towards a compositional view of functional space. Cartography and Geographic Information Science, 2020, 47, 28-45.	1.4	15
14	An Interdisciplinary Mixed-Methods Approach to Analyzing Urban Spaces: The Case of Urban Walkability and Bikeability. International Journal of Environmental Research and Public Health, 2020, 17, 6994.	1.2	35
15	Automated Seeded Latent Dirichlet Allocation for Social Media Based Event Detection and Mapping. Information (Switzerland), 2020, 11, 376.	1.7	14
16	Urban Emotion Sensing Beyond â€˜Affective Captureâ€™: Advancing Critical Interdisciplinary Methods. International Journal of Environmental Research and Public Health, 2020, 17, 9003.	1.2	8
17	Opportunities and Challenges of Geospatial Analysis for Promoting Urban Livability in the Era of Big Data and Machine Learning. ISPRS International Journal of Geo-Information, 2020, 9, 752.	1.4	17
18	Spatiotemporal event detection: a review. International Journal of Digital Earth, 2020, 13, 1339-1365.	1.6	57

#	ARTICLE	IF	CITATIONS
19	Spatial crime distribution and prediction for sporting events using social media. International Journal of Geographical Information Science, 2020, 34, 1708-1739.	2.2	40
20	From Urban Stress to Neurourbanism: How Should We Research City Well-Being?. Annals of the American Association of Geographers, 2020, 110, 1936-1951.	1.5	33
21	Developing a Citizen Social Science approach to understand urban stress and promote wellbeing in urban communities. Palgrave Communications, 2020, 6, .	4.7	34
22	Evaluating Urban Bicycle Infrastructures through Intersubjectivity of Stress Sensations Derived from Physiological Measurements. ISPRS International Journal of Geo-Information, 2019, 8, 265.	1.4	20
23	Wearables and the Quantified Self: Systematic Benchmarking of Physiological Sensors. Sensors, 2019, 19, 4448.	2.1	12
24	Detecting Moments of Stress from Measurements of Wearable Physiological Sensors. Sensors, 2019, 19, 3805.	2.1	124
25	Assessing and Representing Livability through the Analysis of Residential Preference. Sustainability, 2019, 11, 4934.	1.6	21
26	Human-Centric Data Science for Urban Studies. ISPRS International Journal of Geo-Information, 2019, 8, 584.	1.4	15
27	Performing Social Media: Artistic Approaches to Analyzing Big Data. GeoHumanities, 2019, 5, 282-294.	0.5	6
28	Defining and assessing walkability: a concept for an integrated approach using surveys, biosensors and geospatial analysis. Problemy Rozwoju Miast, 2019, 62, 5-15.	0.3	29
29	A Geoprivacy by Design Guideline for Research Campaigns That Use Participatory Sensing Data. Journal of Empirical Research on Human Research Ethics, 2018, 13, 203-222.	0.6	27
30	Routing through open spaces â€" A performance comparison of algorithms. Geo-Spatial Information Science, 2018, 21, 247-256.	2.4	18
31	A statistical test on the local effects of spatially structured variance. International Journal of Geographical Information Science, 2018, 32, 571-600.	2.2	9
32	Combining machine-learning topic models and spatiotemporal analysis of social media data for disaster footprint and damage assessment. Cartography and Geographic Information Science, 2018, 45, 362-376.	1.4	144
33	Privacy Threats and Protection Recommendations for the Use of Geosocial Network Data in Research. Social Sciences, 2018, 7, 191.	0.7	15
34	Beyond Spatial Proximityâ€"Classifying Parks and Their Visitors in London Based on Spatiotemporal and Sentiment Analysis of Twitter Data. ISPRS International Journal of Geo-Information, 2018, 7, 378.	1.4	45
35	Analyzing and Predicting Micro-Location Patterns of Software Firms. ISPRS International Journal of Geo-Information, 2018, 7, 1.	1.4	53
36	Estimating the Spatial Distribution of Crime Events around a Football Stadium from Georeferenced Tweets. ISPRS International Journal of Geo-Information, 2018, 7, 43.	1.4	24

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37	Investigating the Emotional Responses of Individuals to Urban Green Space Using Twitter Data: A Critical Comparison of Three Different Methods of Sentiment Analysis. Urban Planning, 2018, 3, 21-33.	0.7	44
38	#London2012: Towards Citizen-Contributed Urban Planning Through Sentiment Analysis of Twitter Data. Urban Planning, 2018, 3, 75-99.	0.7	32
39	E2mC: Improving Emergency Management Service Practice through Social Media and Crowdsourcing Analysis in Near Real Time. Sensors, 2017, 17, 2766.	2.1	45
40	Deriving Hospital Catchment Areas from Mobile Phone Data. International Conference on GIScience Short Paper Proceedings, 2016, 1, .	0.0	2
41	Geospatial Analysis of the Building Heat Demand and Distribution Losses in a District Heating Network. ISPRS International Journal of Geo-Information, 2016, 5, 219.	1.4	8
42	Abundant Topological Outliers in Social Media Data and Their Effect on Spatial Analysis. PLoS ONE, 2016, 11, e0162360.	1.1	11
43	Mining and correlating traffic events from human sensor observations with official transport data using self-organizing-maps. Transportation Research Part C: Emerging Technologies, 2016, 73, 91-104.	3.9	25
44	Exploration of spatiotemporal and semantic clusters of Twitter data using unsupervised neural networks. International Journal of Geographical Information Science, 2016, 30, 1694-1716.	2.2	80
45	Urban Emotions and Cycling Experience – enriching traffic planning for cyclists with human sensor data. GI_Forum, 2016, 4, 204-216.	0.2	41
46	Citizen-Centric Urban Planning through Extracting Emotion Information from Twitter in an Interdisciplinary Space-Time-Linguistics Algorithm. Urban Planning, 2016, 1, 114-127.	0.7	69
47	Usability in 4D AR: Visualising Multi-temporal Real-time Geo-data in Augmented Reality Environments. International Journal of Interactive Mobile Technologies, 2015, 9, 23.	0.7	8
48	Contextual Sensing: Integrating Contextual Information with Human and Technical Geo-Sensor Information for Smart Cities. Sensors, 2015, 15, 17013-17035.	2.1	72
49	Fusing human and technical sensor data. SIGSPATIAL Special, 2015, 7, 29-35.	2.5	10
50	Asynchronous Geospatial Processing: An Event-Driven Push-Based Architecture for the OGC Web Processing Service. Transactions in GIS, 2015, 19, 455-479.	1.0	10
51	A local scale-sensitive indicator of spatial autocorrelation for assessing high- and low-value clusters in multiscale datasets. International Journal of Geographical Information Science, 2015, 29, 868-887.	2.2	20
52	Urban Emotions: Benefits and Risks in Using Human Sensory Assessment for the Extraction of Contextual Emotion Information in Urban Planning. Lecture Notes in Geoinformation and Cartography, 2015, , 209-225.	0.5	37
53	Twitter as an indicator for whereabouts of people? Correlating Twitter with UK census data. Computers, Environment and Urban Systems, 2015, 54, 255-265.	3.3	124
54	Urban Emotions—Geo-Semantic Emotion Extraction from Technical Sensors, Human Sensors and Crowdsourced Data. Lecture Notes in Geoinformation and Cartography, 2015, , 199-212.	0.5	62

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55	Mobile Phones as Ubiquitous Social and Environmental Geo-Sensors. , 2015, , 1194-1213.		7
56	Determination of Suitable Areas for the Generation of Wind Energy in Germany: Potential Areas of the Present and Future. ISPRS International Journal of Geo-Information, 2014, 3, 942-967.	1.4	12
57	A synchronous distributed cloud-based virtual reality meeting system for architectural and urban design. Frontiers of Architectural Research, 2014, 3, 348-357.	1.3	12
58	Pervasive geo-security â€" a lightweight triple-A approach to securing distributed geo-service infrastructures. International Journal of Digital Earth, 2014, 7, 373-390.	1.6	3
59	Web-based 4D visualization of marine geo-data using WebGL. Cartography and Geographic Information Science, 2014, 41, 235-247.	1.4	36
60	GIS-Based Planning and Modeling for Renewable Energy: Challenges and Future Research Avenues. ISPRS International Journal of Geo-Information, 2014, 3, 662-692.	1.4	104
61	Towards 4D Cartography â€" Four-dimensional Dynamic Maps for Understanding Spatio-temporal Correlations in Lightning Events. Cartographic Journal, 2013, 50, 266-275.	0.8	19
62	User Experience Design in Professional Map-Based Geo-Portals. ISPRS International Journal of Geo-Information, 2013, 2, 1015-1037.	1.4	20
63	People as Sensors and Collective Sensing-Contextual Observations Complementing Geo-Sensor Network Measurements. Lecture Notes in Geoinformation and Cartography, 2013, , 391-406.	0.5	85
64	Ubiquitous Geo-Sensing for Context-Aware Analysis: Exploring Relationships between Environmental and Human Dynamics. Sensors, 2012, 12, 9800-9822.	2.1	26
65	NoSQL suitability for SWE-enabled sensing architectures. , 2012, , .		0
66	Standardised geo-sensor webs and web-based geo-processing for near real-time situational awareness in emergency management. International Journal of Business Continuity and Risk Management, 2012, 3, 339.	0.2	6
67	Live Urbanism â€" Towards SENSEable Cities and Beyond. Springer Optimization and Its Applications, 2012, , 175-184.	0.6	9
68	Integrated geo-sensing: A case study on the relationships between weather and mobile phone usage in Northern Italy. , 2011, , .		3
69	Collective Sensing: Integrating Geospatial Technologies to Understand Urban Systemsâ€"An Overview. Remote Sensing, 2011, 3, 1743-1776.	1.8	99
70	Crowdsourcing, citizen sensing and sensor web technologies for public and environmental health surveillance and crisis management: trends, OGC standards and application examples. International Journal of Health Geographics, 2011, 10, 67.	1.2	296
71	Live Geography - Interoperable Geo-Sensor Webs Enabling Portability in Monitoring Applications. , 2010, , .		1
72	Pervasive Monitoringâ€"An Intelligent Sensor Pod Approach for Standardised Measurement Infrastructures. Sensors, 2010, 10, 11440-11467.	2.1	20

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73	Real-Time Geo-awareness &#150; Sensor Data Integration for Environmental Monitoring in the City. , 2009, , .		9
74	An Approach towards Real-Time Data Exchange Platform System Architecture (concise contribution). , 2008, , .		10
75	A Function-based model of Place. International Conference on GIScience Short Paper Proceedings, 0, 1, .	0.0	7
76	Evaluating PPGIS Usability in a Multi-National Field Study Combining Qualitative Surveys and Eye-Tracking. Cartographic Journal, 0, , 1-16.	0.8	1
77	Crowdsourcing Physiological Conditions and Subjective Emotions by Coupling Technical and Human Mobile Sensors. GI_Forum, 0, 1, 514-524.	0.2	22
78	Uncovering Latent Mobility Patterns from Twitter During Mass Events. GI_Forum, 0, 1, 525-534.	0.2	6
79	Combining Biosensing Technology and Virtual Environments for Improved Urban Planning. GI_Forum, 0, 1, 344-357.	0.2	9
80	Exploratory Spatiotemporal Language Analysis of Geo-Social Network Data for Identifying Movements of Refugees. GI_Forum, 0, 1, 137-152.	0.2	5
81	Analysing and Predicting Micro-Location Patterns of Software Firms. SSRN Electronic Journal, 0, , .	0.4	2
82	Standardised Geo-Sensor Webs for Integrated Urban Air Quality Monitoring. , 0, , .		4
83	Public Perception of Climate Change in Alaska: A Case Study of Opinion-Mining using Twitter. GI_Forum, 0, 1, 47-64.	0.2	0
84	Spatial Analysis of Moments of Stress Derived from Wearable Sensor Data. Advances in Cartography and GIScience of the ICA, 0, 2, 1-8.	0.0	8