Ming-Hsiang Tsou

List of Publications by Year
in descending order

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72	2,139	257101 24	253896 43
papers	citations	h-index	g-index

81	81	81	2327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial, temporal, and content analysis of Twitter for wildfire hazards. Natural Hazards, 2016, 83, 523-540.	1.6	168
2	Results from the centers for disease control and preventionâ€™s predict the 2013â€“2014 Influenza Season Challenge. BMC Infectious Diseases, 2016, 16, 357.	1.3	144
3	Research challenges and opportunities in mapping social media and Big Data. Cartography and Geographic Information Science, 2015, 42, 70-74.	1.4	113
4	Editorial: human dynamics in the mobile and big data era. International Journal of Geographical Information Science, 2016, 30, 1687-1693.	2.2	106
5	Applying GIS and Machine Learning Methods to Twitter Data for Multiscale Surveillance of Influenza. PLoS ONE, 2016, 11, e0157734.	1.1	104
6	Using Social Media to Detect Outdoor Air Pollution and Monitor Air Quality Index (AQI): A Geo-Targeted Spatiotemporal Analysis Framework with Sina Weibo (Chinese Twitter). PLoS ONE, 2015, 10, e0141185.	1.1	94
7	Mapping social activities and concepts with social media (Twitter) and web search engines (Yahoo and) Tj ETQq1 1 0.784314 rgBT /O 2013, 40, 337-348.	1.4	92
8	The Reliability of Tweets as a Supplementary Method of Seasonal Influenza Surveillance. Journal of Medical Internet Research, 2014, 16, e250.	2.1	84
9	The Complex Relationship of Realspace Events and Messages in Cyberspace: Case Study of Influenza and Pertussis Using Tweets. Journal of Medical Internet Research, 2013, 15, e237.	2.1	82
10	A Dynamic Architecture for Distributing Geographic Information Services. Transactions in GIS, 2002, 6, 355-381.	1.0	72
11	Integrated Mobile GIS and Wireless Internet Map Servers for Environmental Monitoring and Management. Cartography and Geographic Information Science, 2004, 31, 153-165.	1.4	65
12	Spaceâ€“Time Analysis: Concepts, Quantitative Methods, and Future Directions. Annals of the American Association of Geographers, 2015, 105, 891-914.	3.0	63
13	Developing a grid-enabled spatial Web portal for Internet GIServices and geospatial cyberinfrastructure. International Journal of Geographical Information Science, 2009, 23, 605-630.	2.2	61
14	Privacy and spatial pattern preservation in masked GPS trajectory data. International Journal of Geographical Information Science, 2016, 30, 785-800.	2.2	56
15	â€œOkay, We Get It. You Vapeâ€¦ An Analysis of Geocoded Content, Context, and Sentiment regarding E-Cigarettes on Twitter. Journal of Health Communication, 2018, 23, 550-562.	1.2	53
16	Visualization of social media: seeing a mirage or a message?. Cartography and Geographic Information Science, 2013, 40, 55-60.	1.4	52
17	Revisiting Web Cartography in the United States: the Rise of User-Centered Design. Cartography and Geographic Information Science, 2011, 38, 250-257.	1.4	50
18	Integrating Web-based GIS and image processing tools for environmental monitoring and natural resource management. Journal of Geographical Systems, 2004, 6, 155.	1.9	49

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19	Mapping Dynamic Urban Land Use Patterns with Crowdsourced Geo-Tagged Social Media (Sina-Weibo) and Commercial Points of Interest Collections in Beijing, China. Sustainability, 2016, 8, 1202.	1.6	47
20	Revisiting the death of geography in the era of Big Data: the friction of distance in cyberspace and real space. International Journal of Digital Earth, 2018, 11, 451-469.	1.6	37
21	How Do Cities Flow in an Emergency? Tracing Human Mobility Patterns during a Natural Disaster with Big Data and Geospatial Data Science. Urban Science, 2019, 3, 51.	1.1	35
22	Twitter-based measures of neighborhood sentiment as predictors of residential population health. PLoS ONE, 2019, 14, e0219550.	1.1	31
23	Inferring urban air quality based on social media. Computers, Environment and Urban Systems, 2017, 66, 110-116.	3.3	27
24	Enabling Digital Earth simulation models using cloud computing or grid computing â€“ two approaches supporting high-performance GIS simulation frameworks. International Journal of Digital Earth, 2013, 6, 383-403.	1.6	24
25	Social media analytics and research testbed (SMART): Exploring spatiotemporal patterns of human dynamics with geo-targeted social media messages. Big Data and Society, 2016, 3, 205395171665291.	2.6	23
26	Do Global Cities Enable Global Views? Using Twitter to Quantify the Level of Geographical Awareness of U.S. Cities. PLoS ONE, 2015, 10, e0132464.	1.1	21
27	Understanding the spatio-temporal characteristics of Twitter data with geotagged and non-geotagged content: two case studies with the topic of flu and Ted (movie). Annals of GIS, 2017, 23, 219-235.	1.4	20
28	Mapping Spatiotemporal Tourist Behaviors and Hotspots Through Location-Based Photo-Sharing Service (Flickr) Data. Lecture Notes in Geoinformation and Cartography, 2018, , 315-334.	0.5	20
29	Exploratory Spatiotemporal Analysis in Risk Communication during the MERS Outbreak in South Korea. Professional Geographer, 2017, 69, 629-643.	1.0	19
30	An integrated evacuation decision support system framework with social perception analysis and dynamic population estimation. International Journal of Disaster Risk Reduction, 2017, 25, 190-201.	1.8	19
31	Multidisciplinary Cooperation in GIS Education: A Case Study of US Colleges and Universities. Journal of Geography in Higher Education, 2010, 34, 493-509.	1.4	18
32	Mapping ideas from cyberspace to realspace: visualizing the spatial context of keywords from web page search results. International Journal of Digital Earth, 2014, 7, 316-335.	1.6	18
33	Social media analytics and research test-bed (SMART dashboard). , 2015, , .		18
34	Disentangling Racial, Ethnic, and Socioeconomic Disparities in Treatment for Colorectal Cancer. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1546-1553.	1.1	17
35	Building a Real-Time Geo-Targeted Event Observation (Geo) Viewer for Disaster Management and Situation Awareness. Lecture Notes in Geoinformation and Cartography, 2017, , 85-98.	0.5	17
36	Similarity measurement on human mobility data with spatially weighted structural similarity indexÂ(SpSSIM). Transactions in GIS, 2020, 24, 104-122.	1.0	16

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37	Simulating the spatial diffusion of memes on social media networks. International Journal of Geographical Information Science, 2019, 33, 1545-1568.	2.2	14
38	User-Centered Design Approaches for Web Mapping Applications: A Case Study with USGS Hydrological Data in the United States. , 2008, , 301-321.		14
39	Latent trajectory models for spaceâ€time analysis: An application in deciphering spatial panel data. Geographical Analysis, 2016, 48, 314-336.	1.9	11
40	Detecting events from the social media through exemplar-enhanced supervised learning. International Journal of Digital Earth, 2019, 12, 1083-1097.	1.6	11
41	An Intelligent Software Agent Architecture for Distributed Cartographic Knowledge Bases and Internet Mapping Services. , 2003, , 231-245.		11
42	The Map is Not Which Territory?: Speculating on the Geo-Spatial Diffusion of Ideas in the Arab Spring of 2011. Studies in Media and Communication, 2012, 1, .	0.1	10
43	Reshaping the urban hierarchy: patterns of information diffusion on social media. Geo-Spatial Information Science, 2019, 22, 149-165.	2.4	9
44	Twitter Communication During an Outbreak of Hepatitis A in San Diego, 2016â€“2018. American Journal of Public Health, 2020, 110, S348-S355.	1.5	9
45	Applying Internet Geographic Information System for Water Quality Monitoring. Geography Compass, 2007, 1, 1315-1337.	1.5	8
46	The Opportunities and Challenges with Social Media and Big Data for Research in Human Dynamics. Human Dynamics in Smart Cities, 2018, , 223-234.	0.2	8
47	Open Source Social Network Simulator Focusing on Spatial Meme Diffusion. Human Dynamics in Smart Cities, 2018, , 203-222.	0.2	8
48	An Economic Development Evaluation Based on the OpenStreetMap Road Network Density: The Case Study of 85 Cities in China. ISPRS International Journal of Geo-Information, 2020, 9, 517.	1.4	8
49	Design and implementation strategy of a parallel agent-based Schelling model. Computers, Environment and Urban Systems, 2015, 49, 30-41.	3.3	6
50	â€œI Definitely Did Not Report It When I Was Raped . . . #WeBelieveChristine #MeTooâ€: A Content Analysis of Disclosures of Sexual Assault on Twitter. Social Media and Society, 2020, 6, 205630512097461.	1.5	6
51	A Web-Based Java Framework for Cross-Platform Mobile GIS and Remote Sensing Applications. GIScience and Remote Sensing, 2005, 42, 333-357.	2.4	5
52	The Future Development of GISystems, GIScience, and GIServices. , 2018, , 1-4.		5
53	A Case Study in Belief Surveillance, Sentiment Analysis, and Identification of Informational Targets for E-Cigarettes Interventions. , 2019, , .		5
54	A â€œfitnessâ€•Theme May Mitigate Regional Prevalence of Overweight and Obesity: Evidence from Google Search and Tweets. Journal of Health Communication, 2019, 24, 683-692.	1.2	5

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55	A Spatio-Demographic Perspective on the Role of Social Determinants of Health and Chronic Disease in Determining a Populationâ€™s Vulnerability to COVID-19. Preventing Chronic Disease, 0, 19, .	1.7	5
56	Increasing Spatial Awareness by Integrating Internet Geographic Information Services (GIServices) with Real Time Wireless Mobile GIS Applications. International Journal of Strategic Information Technology and Applications, 2010, 1, 42-54.	0.6	4
57	Animated Flow Maps for Visualizing Human Movement. , 2017, , .		3
58	The role of space and place in social media communication: two case studies of policy perspectives. Journal of Computational Social Science, 2019, 2, 221-244.	1.4	3
59	Analyzing Public Discourse on Social Media With A Geographical Context: A Case Study of 2017 Tax Bill. , 2020, , .		3
60	Building an intelligent geospatial cyberinfrastructure: an analytical problem solving approach. , 2006, , .		2
61	Geoprivacy. , 2018, , 415-430.		2
62	Mapping Spatial Information Landscape in Cyberspace with Social Media. Geospatial Technology and the Role of Location in Science, 2019, , 71-86.	0.2	2
63	Spatial Distribution Patterns of Geo-tagged Twitter Data Created by Social Media Bots and Recommended Data Wrangling Procedures. Human Dynamics in Smart Cities, 2021, , 257-273.	0.2	2
64	Learning Dependence Relationships of Evacuation Decision Making Factors from Tweets. Human Dynamics in Smart Cities, 2021, , 113-138.	0.2	2
65	Geo-based Social Media Analytics and SMART Dashboard for Tracking Influenza Outbreaks. Online Journal of Public Health Informatics, 2015, 7, .	0.4	2
66	Exploring Gentrification Through Social Media Data and Text Clustering Techniques. Human Dynamics in Smart Cities, 2021, , 237-256.	0.2	1
67	Spatial and Descriptive Analysis of Smoke and Vape Shop Locations Focusing on a Cancer Center Neighboring Catchment Area. Papers in Applied Geography, 0, , 1-11.	0.8	1
68	Geography of Social Media in Public Response to Policy-Based Topics. , 2017, , 205-216.		1
69	The Integration of Grid-enabled Internet GIServices and Geographic Semantic Web Technologies. Annals of GIS, 2005, 11, 15-23.	1.4	0
70	An Integrated Evacuation Decision Support System Framework with Social Perception Analysis and Dynamic Population Estimation. Human Dynamics in Smart Cities, 2021, , 89-112.	0.2	0
71	Similarity Measurement on Human Mobility Data with Spatially Weighted Structural Similarity Index (SpSSIM). Human Dynamics in Smart Cities, 2021, , 65-87.	0.2	0
72	Increasing Spatial Awareness by Integrating Internet Geographic Information Services (GIServices) with Real Time Wireless Mobile GIS Applications. , 2012, , 624-637.		0