

Hywel Williams

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5232718/publications.pdf>

Version: 2024-02-01

38
papers

1,691
citations

471509

17
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

2041
citing authors

#	ARTICLE	IF	CITATIONS
1	Social sensing of flood impacts in India: A case study of Kerala 2018. International Journal of Disaster Risk Reduction, 2022, 74, 102908.	3.9	11
2	Discussion of Climate Change on Reddit: Polarized Discourse or Deliberative Debate?. Environmental Communication, 2022, 16, 680-698.	2.5	6
3	From FAIR data to fair data use: Methodological data fairness in health-related social media research. Big Data and Society, 2021, 8, 205395172110103.	4.5	21
4	Crowd-sourced observations for short-range numerical weather prediction: Report from EWGLAM/SRNWP Meeting 2019. Atmospheric Science Letters, 2021, 22, e1031.	1.9	4
5	Social Sensing of Heatwaves. Sensors, 2021, 21, 3717.	3.8	10
6	Do Health, Environmental and Ethical Concerns Affect Purchasing Behavior? A Meta-Analysis and Narrative Review. Social Sciences, 2021, 10, 413.	1.4	4
7	Good and bad events: combining network-based event detection with sentiment analysis. Social Network Analysis and Mining, 2020, 10, 1.	2.8	13
8	Online misinformation about climate change. Wiley Interdisciplinary Reviews: Climate Change, 2020, 11, e665.	8.1	124
9	Using social media to measure impacts of named storm events in the United Kingdom and Ireland. Meteorological Applications, 2020, 27, e1887.	2.1	14
10	Is it correct to project and detect? How weighting unipartite projections influences community detection. Network Science, 2020, 8, S145-S163.	1.0	2
11	Communities of online news exposure during the UK General Election 2015. Online Social Networks and Media, 2019, 10-11, 18-30.	3.6	12
12	Scaling laws in geo-located Twitter data. PLoS ONE, 2019, 14, e0218454.	2.5	20
13	The human geography of Twitter: Quantifying regional identity and inter-region communication in England and Wales. PLoS ONE, 2019, 14, e0214466.	2.5	8
14	Student engagement and wellbeing over time at a higher education institution. PLoS ONE, 2019, 14, e0225770.	2.5	65
15	Network-Based Pooling for Topic Modeling on Microblog Content. Lecture Notes in Computer Science, 2019, , 80-87.	1.3	2
16	Dynamic social media affiliations among UK politicians. Social Networks, 2018, 54, 132-144.	2.1	18
17	Gaian bottlenecks and planetary habitability maintained by evolving model biospheres: the ExoGaia model. Monthly Notices of the Royal Astronomical Society, 2018, 477, 727-740.	4.4	17
18	@choo: Tracking Pollen and Hayfever in the UK Using Social Media. Sensors, 2018, 18, 4434.	3.8	10

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19	Alternative mechanisms for Gaia. <i>Journal of Theoretical Biology</i> , 2018, 457, 249-257.	1.7	8
20	A comparison of the US National Fire Danger Rating System (NFDRS) with recorded fire occurrence and final fire size. <i>International Journal of Wildland Fire</i> , 2018, 27, 99.	2.4	12
21	Selection for Gaia across Multiple Scales. <i>Trends in Ecology and Evolution</i> , 2018, 33, 633-645.	8.7	62
22	Virtual learning environment engagement and learning outcomes at a "bricks-and-mortar" university. <i>Computers and Education</i> , 2018, 126, 129-142.	8.3	53
23	Social sensing of floods in the UK. <i>PLoS ONE</i> , 2018, 13, e0189327.	2.5	73
24	Multiple states of environmental regulation in well-mixed model biospheres. <i>Journal of Theoretical Biology</i> , 2017, 414, 17-34.	1.7	7
25	Network analysis reveals open forums and echo chambers in social media discussions of climate change. <i>Global Environmental Change</i> , 2015, 32, 126-138.	7.8	361
26	Dominant frames in legacy and social media coverage of the IPCC Fifth Assessment Report. <i>Nature Climate Change</i> , 2015, 5, 380-385.	18.8	169
27	Phage-induced diversification improves host evolvability. <i>BMC Evolutionary Biology</i> , 2013, 13, 17.	3.2	64
28	On the origin of planetary-scale tipping points. <i>Trends in Ecology and Evolution</i> , 2013, 28, 380-382.	8.7	95
29	Coevolutionary diversification creates nested-modular structure in phage-bacteria interaction networks. <i>Interface Focus</i> , 2013, 3, 20130033.	3.0	73
30	Environmental selection and resource allocation determine spatial patterns in picophytoplankton cell size. <i>Limnology and Oceanography</i> , 2013, 58, 1008-1022.	3.1	48
31	Natural selection for costly nutrient recycling in simulated microbial metacommunities. <i>Journal of Theoretical Biology</i> , 2012, 312, 1-12.	1.7	17
32	Individual-based modelling of adaptation in marine microbial populations using genetically defined physiological parameters. <i>Ecological Modelling</i> , 2011, 222, 3823-3837.	2.5	20
33	Evolutionary regime shifts in simulated ecosystems. <i>Oikos</i> , 2010, 119, 1887-1899.	2.7	17
34	Environmental regulation in a network of simulated microbial ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10432-10437.	7.1	51
35	Artificial selection of simulated microbial ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8918-8923.	7.1	79
36	The Flask model: emergence of nutrient-recycling microbial ecosystems and their disruption by environment-altering "rebel" organisms. <i>Oikos</i> , 2007, 116, 1087-1105.	2.7	28

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37	Neoproterozoic "snowball Earth" glaciations and the evolution of altruism. <i>Geobiology</i> , 2007, 5, 337-349.	2.4	29
38	Homeostatic plasticity improves signal propagation in continuous-time recurrent neural networks. <i>BioSystems</i> , 2007, 87, 252-259.	2.0	64