

Giuliano Di Baldassarre

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6310189/giuliano-di-baldassarre-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

7,094
citations

46
h-index

81
g-index

209
ext. papers

8,501
ext. citations

4.9
avg, IF

6.25
L-index

#	Paper	IF	Citations
146	Streamflow droughts aggravated by human activities despite management. <i>Environmental Research Letters</i> , 2022 , 17, 044059	6.2	1
145	Multiple hazards and risk perceptions over time: the availability heuristic in Italy and Sweden under COVID-19. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 3439-3447	3.9	3
144	Disaster risk reduction and the limits of truisms: Improving the knowledge and practice interface. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 67, 102661	4.5	1
143	The legacy of large dams in the United States. <i>Ambio</i> , 2021 , 50, 1798-1808	6.5	2
142	Don't blame the rain: Social power and the 2015-2017 drought in Cape Town. <i>Journal of Hydrology</i> , 2021 , 594, 125953	6	17
141	Scenarios of Human Responses to Unprecedented Social-Environmental Extreme Events. <i>Earth's Future</i> , 2021 , 9, e2020EF001911	7.9	5
140	Anthropogenic Drought: Definition, Challenges, and Opportunities. <i>Reviews of Geophysics</i> , 2021 , 59, e2019RG000683	19.8	96
139	Scientists' warning on extreme wildfire risks to water supply. <i>Hydrological Processes</i> , 2021 , 35, e14086	3.3	10
138	Social-ecological system approaches for water resources management. <i>International Journal of Sustainable Development and World Ecology</i> , 2021 , 28, 109-124	3.8	10
137	Hydrological risk: modeling flood memory and human proximity to rivers 2021 , 52, 241-252		7
136	Floodplains in the Anthropocene: A Global Analysis of the Interplay Between Human Population, Built Environment, and Flood Severity. <i>Water Resources Research</i> , 2021 , 57, e2020WR027744	5.4	7
135	Guiding principles for hydrologists conducting interdisciplinary research and fieldwork with participants. <i>Hydrological Sciences Journal</i> , 2021 , 66, 214-225	3.5	11
134	Heterogeneity in flood risk awareness: A longitudinal, latent class model approach. <i>Journal of Hydrology</i> , 2021 , 599, 126255	6	1
133	Integrating Multiple Research Methods to Unravel the Complexity of Human-Water Systems. <i>AGU Advances</i> , 2021 , 2, e2021AV000473	5.4	2
132	Global riverine flood risk [how do hydrogeomorphic floodplain maps compare to flood hazard maps?]. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 2921-2948	3.9	2
131	Longitudinal survey data for diversifying temporal dynamics in flood risk modelling. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 2811-2828	3.9	1
130	Exposure to natural hazard events unassociated with policy change for improved disaster risk reduction. <i>Nature Communications</i> , 2021 , 12, 193	17.4	19

129	Public perceptions of multiple risks during the COVID-19 pandemic in Italy and Sweden. <i>Scientific Data</i> , 2020 , 7, 434	8.2	12
128	Socio-Hydrological Modelling: The Influence of Reservoir Management and Societal Responses on Flood Impacts. <i>Water (Switzerland)</i> , 2020 , 12, 1384	3	9
127	Concurrent wet and dry hydrological extremes at the global scale. <i>Earth System Dynamics</i> , 2020 , 11, 251-266	4.86	14
126	A review of freely accessible global datasets for the study of floods, droughts and their interactions with human societies. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1424	5.7	13
125	Extreme dry and wet spells face changes in their duration and timing. <i>Environmental Research Letters</i> , 2020 , 15, 074040	6.2	11
124	Brief communication: Comparing hydrological and hydrogeomorphic paradigms for global flood hazard mapping. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 1415-1419	3.9	14
123	The interplay between reservoir storage and operating rules under evolving conditions. <i>Journal of Hydrology</i> , 2020 , 590, 125270	6	12
122	Water management for irrigation, crop yield and social attitudes: a socio-agricultural agent-based model to explore a collective action problem. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1815-1829	3.5	5
121	The interplay between structural flood protection, population density, and flood mortality along the Jamuna River, Bangladesh. <i>Regional Environmental Change</i> , 2020 , 20, 5	4.3	14
120	Exploring changes in hydrogeological risk awareness and preparedness over time: a case study in northeastern Italy. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1049-1059	3.5	28
119	A flood-risk-oriented, dynamic protection motivation framework to explain risk reduction behaviours. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 287-298	3.9	8
118	Household resilience to climate change hazards in Uganda. <i>International Journal of Climate Change Strategies and Management</i> , 2020 , 12, 59-73	3.9	12
117	Cover Image, Volume 7, Issue 3. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1447	5.7	
116	The need to integrate flood and drought disaster risk reduction strategies. <i>Water Security</i> , 2020 , 11, 100070	3.8	23
115	The Role of Experience and Different Sources of Knowledge in Shaping Flood Risk Awareness. <i>Water (Switzerland)</i> , 2020 , 12, 2130	3	14
114	Exploring the role of risk perception in influencing flood losses over time. <i>Hydrological Sciences Journal</i> , 2020 , 65, 12-20	3.5	13
113	Concurrent wet and dry hydrological extremes at the global scale 2019 ,		2
112	A systematic comparison of statistical and hydrological methods for design flood estimation 2019 , 50, 1665-1678		13

111	Space-time disaggregation of precipitation and temperature across different climates and spatial scales. <i>Journal of Hydrology: Regional Studies</i> , 2019 , 21, 126-146	3.6	7
110	Twenty-three unsolved problems in hydrology (UPH) in community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
109	The levee effect along the Jamuna River in Bangladesh. <i>Water International</i> , 2019 , 44, 496-519	2.4	15
108	Design Flood Estimation: Exploring the Potentials and Limitations of Two Alternative Approaches. <i>Water (Switzerland)</i> , 2019 , 11, 729	3	1
107	Priorities and Interactions of Sustainable Development Goals (SDGs) with Focus on Wetlands. <i>Water (Switzerland)</i> , 2019 , 11, 619	3	39
106	The Costs of Living with Floods in the Jamuna Floodplain in Bangladesh. <i>Water (Switzerland)</i> , 2019 , 11, 1238	3	24
105	Sociohydrology: Scientific Challenges in Addressing the Sustainable Development Goals. <i>Water Resources Research</i> , 2019 , 55, 6327-6355	5.4	119
104	Interdisciplinary Critical Geographies of Water: Capturing the Mutual Shaping of Society and Hydrological Flows. <i>Water (Switzerland)</i> , 2019 , 11, 1973	3	18
103	GFPLAIN250m, a global high-resolution dataset of Earth's floodplains. <i>Scientific Data</i> , 2019 , 6, 180309	8.2	56
102	Is observation uncertainty masking the signal of land use change impacts on hydrology?. <i>Journal of Hydrology</i> , 2019 , 570, 393-400	6	6
101	An Integrative Research Framework to Unravel the Interplay of Natural Hazards and Vulnerabilities. <i>Earth's Future</i> , 2018 , 6, 305-310	7.9	40
100	Hydrological change: Towards a consistent approach to assess changes on both floods and droughts. <i>Advances in Water Resources</i> , 2018 , 111, 31-35	4.7	18
99	Nighttime light data reveal how flood protection shapes human proximity to rivers. <i>Science Advances</i> , 2018 , 4, earr5779	14.3	33
98	Flood Hazard Mapping in Data-Scarce Areas. <i>Geophysical Monograph Series</i> , 2018 , 79-86	1.1	
97	Water shortages worsened by reservoir effects. <i>Nature Sustainability</i> , 2018 , 1, 617-622	22.1	122
96	Model averaging versus model selection: estimating design floods with uncertain river flow data. <i>Hydrological Sciences Journal</i> , 2018 , 63, 1913-1926	3.5	8
95	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5629-5637	5.5	50
94	Reply to Discussion of Perceptual models of uncertainty for socio-hydrological systems: a flood risk change example. <i>Hydrological Sciences Journal</i> , 2018 , 63, 2001-2003	3.5	

93	Socio-hydrological spaces in the Jamuna River floodplain in Bangladesh. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5159-5173	5.5	17
92	Event and model dependent rainfall adjustments to improve discharge predictions. <i>Hydrological Sciences Journal</i> , 2017 , 62, 232-245	3.5	5
91	Impact of the timing of a SAR image acquisition on the calibration of a flood inundation model. <i>Advances in Water Resources</i> , 2017 , 100, 126-138	4.7	22
90	Impact of social preparedness on flood early warning systems. <i>Water Resources Research</i> , 2017 , 53, 522-534	5.4	37
89	Socio-hydrological modelling of flood-risk dynamics: comparing the resilience of green and technological systems. <i>Hydrological Sciences Journal</i> , 2017 , 62, 880-891	3.5	52
88	Drought and flood in the Anthropocene: feedback mechanisms in reservoir operation. <i>Earth System Dynamics</i> , 2017 , 8, 225-233	4.8	84
87	Perceptual models of uncertainty for socio-hydrological systems: a flood risk change example. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1705-1713	3.5	28
86	Can weather generation capture precipitation patterns across different climates, spatial scales and under data scarcity?. <i>Scientific Reports</i> , 2017 , 7, 5449	4.9	26
85	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017 , 5, 953-965	7.95	111
84	Simple vs complex rating curves: accounting for measurement uncertainty, slope ratio and sample size. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2072-2082	3.5	5
83	Reproducing an extreme flood with uncertain post-event information. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3597-3618	5.5	9
82	The seventh facet of uncertainty: wrong assumptions, unknowns and surprises in the dynamics of human-water systems. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1748-1758	3.5	50
81	A new methodology to define homogeneous regions through an entropy based clustering method. <i>Advances in Water Resources</i> , 2016 , 96, 237-250	4.7	16
80	Testing new sources of topographic data for flood propagation modelling under structural, parameter and observation uncertainty. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1707-1715	3.5	10
79	Increasing flood risk under climate change: a pan-European assessment of the benefits of four adaptation strategies. <i>Climatic Change</i> , 2016 , 136, 507-521	4.5	91
78	A theoretical model of water and trade. <i>Advances in Water Resources</i> , 2016 , 89, 32-41	4.7	17
77	Drought and Flood in the Anthropocene: Modelling Feedback Mechanisms 2016 ,		2
76	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 3631-3650	5.5	198

75	An intercomparison of remote sensing river discharge estimation algorithms from measurements of river height, width, and slope. <i>Water Resources Research</i> , 2016 , 52, 4527-4549	5.4	131
74	Probabilistic Flood Maps to support decision-making: Mapping the Value of Information. <i>Water Resources Research</i> , 2016 , 52, 1026-1043	5.4	48
73	Panta Rhei 2013-2015: global perspectives on hydrology, society and change. <i>Hydrological Sciences Journal</i> , 2016 , 1-18	3.5	44
72	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. <i>Hydrological Sciences Journal</i> , 2016 , 61, 2803-2817	3.5	40
71	The failed-levee effect: Do societies learn from flood disasters?. <i>Natural Hazards</i> , 2015 , 76, 373-388	3	55
70	Exploring the Potential of SRTM Topography and Radar Altimetry to Support Flood Propagation Modeling: Danube Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014048	1.8	24
69	Flood risk mitigation in developing countries: deriving accurate topographic data for remote areas under severe time and economic constraints. <i>Journal of Flood Risk Management</i> , 2015 , 8, 301-314	3.1	11
68	Testing different cross-section spacing in 1D hydraulic modelling: a case study on Johor River, Malaysia. <i>Hydrological Sciences Journal</i> , 2015 , 60, 351-360	3.5	13
67	Global and Low-Cost Topographic Data to Support Flood Studies 2015 , 105-123		
66	KULTURisk Methodology Application: Ubaye Valley (Barcelonnette, France) 2015 , 201-211		2
65	Debates/Perspectives on socio-hydrology: Capturing feedbacks between physical and social processes. <i>Water Resources Research</i> , 2015 , 51, 4770-4781	5.4	249
64	Assessing the impact of different sources of topographic data on 1-D hydraulic modelling of floods. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 631-643	5.5	51
63	Remotely Sensed Nightlights to Map Societal Exposure to Hydrometeorological Hazards. <i>Remote Sensing</i> , 2015 , 7, 12380-12399	5	3
62	A review of low-cost space-borne data for flood modelling: topography, flood extent and water level. <i>Hydrological Processes</i> , 2015 , 29, 3368-3387	3.3	86
61	Flood modelling: parameterisation and inflow uncertainty. <i>Water Management</i> , 2014 , 167, 51-60	1	10
60	Insights from socio-hydrology modelling on dealing with flood risk [Roles of collective memory, risk-taking attitude and trust. <i>Journal of Hydrology</i> , 2014 , 518, 71-82	6	169
59	Advancing catchment hydrology to deal with predictions under change. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 649-671	5.5	62
58	Floods and societies: the spatial distribution of water-related disaster risk and its dynamics. <i>Wiley Interdisciplinary Reviews: Water</i> , 2014 , 1, 133-139	5.7	33

57	Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 717-731	1.8	48
56	Erratum for Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy by M. Mazzoleni, B. Bacchi, S. Barontini, G. Di Baldassarre, M. Pilotti, and R. Ranzi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 08014001	1.8	
55	An entropy approach for the optimization of cross-section spacing for river modelling. <i>Hydrological Sciences Journal</i> , 2014 , 59, 126-137	3.5	20
54	HP Special Issue on Flood Risk and Uncertainty. <i>Hydrological Processes</i> , 2013 , 27, 1291-1291	3.3	3
53	Data errors and hydrological modelling: The role of model structure to propagate observation uncertainty. <i>Advances in Water Resources</i> , 2013 , 51, 498-504	4.7	40
52	Banta Rhei Everything Flows Change in hydrology and society The IAHS Scientific Decade 2013-2022. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1256-1275	3.5	45 ²
51	Characterizing Climate Model Uncertainty Using an Informal Bayesian Framework: Application to the River Nile. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 582-589	1.8	8
50	Exploring the potential of SRTM topographic data for flood inundation modelling under uncertainty. <i>Journal of Hydroinformatics</i> , 2013 , 15, 849-861	2.6	40
49	Downscaling technique uncertainty in assessing hydrological impact of climate change in the Upper Beles River Basin, Ethiopia 2013 , 44, 377-398		19
48	Reconstruction and analysis of the Po River inundation of 1951. <i>Hydrological Processes</i> , 2013 , 27, 1341-1348	3.48	23
47	Detailed data is welcome, but with a pinch of salt: Accuracy, precision, and uncertainty in flood inundation modeling. <i>Water Resources Research</i> , 2013 , 49, 6079-6085	5.4	105
46	The role of risk perception in making flood risk management more effective. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3013-3030	3.9	52
45	Towards understanding the dynamic behaviour of floodplains as human-water systems. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 3235-3244	5.5	143
44	Socio-hydrology: conceptualising human-flood interactions. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 3295-3303	5.5	299
43	Is the current flood of data enough? A treatise on research needs for the improvement of flood modelling. <i>Hydrological Processes</i> , 2012 , 26, 153-158	3.3	51
42	Effect of observation errors on the uncertainty of design floods. <i>Physics and Chemistry of the Earth</i> , 2012 , 42-44, 85-90	3	29
41	The Use of Radar Imagery in Riverine Flood Inundation Studies 2012 , 115-140		15
40	Floods in a Changing Climate: Inundation Modelling 2012 ,		17

39	An entropy method for floodplain monitoring network design 2012 ,		6
38	Uncertainty in design flood profiles derived by hydraulic modelling 2012 , 43, 753-761		45
37	BRIDGE PIER SCOUR: A REVIEW OF PROCESSES, MEASUREMENTS AND ESTIMATES. <i>Environmental Engineering and Management Journal</i> , 2012 , 11, 975-989	0.6	35
36	Floodplain management in Africa: Large scale analysis of flood data. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 292-298	3	20
35	Selecting the appropriate hydraulic model structure using low-resolution satellite imagery. <i>Advances in Water Resources</i> , 2011 , 34, 38-46	4.7	28
34	Timely Low Resolution SAR Imagery To Support Floodplain Modelling: a Case Study Review. <i>Surveys in Geophysics</i> , 2011 , 32, 255-269	7.6	62
33	Relation Between the North-Atlantic Oscillation and Hydroclimatic Conditions in Mediterranean Areas. <i>Water Resources Management</i> , 2011 , 25, 1269-1279	3.7	63
32	Floodplain management strategies for flood attenuation in the river Po. <i>River Research and Applications</i> , 2011 , 27, 1037-1047	2.3	47
31	Future hydrology and climate in the River Nile basin: a review. <i>Hydrological Sciences Journal</i> , 2011 , 56, 199-211	3.5	78
30	A hydraulic study on the applicability of flood rating curves 2011 , 42, 10-19		62
29	The direct use of radar satellites for event-specific flood risk mapping. <i>Remote Sensing Letters</i> , 2010 , 1, 75-84	2.3	23
28	Flood fatalities in Africa: From diagnosis to mitigation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	225
27	Near real-time flood wave approximation on large rivers from space: Application to the River Po, Italy. <i>Water Resources Research</i> , 2010 , 46,	5.4	77
26	Flood-plain mapping: a critical discussion of deterministic and probabilistic approaches. <i>Hydrological Sciences Journal</i> , 2010 , 55, 364-376	3.5	167
25	Uncertainty in river discharge observations: a quantitative analysis. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 913-921	5.5	409
24	A technique for the calibration of hydraulic models using uncertain satellite observations of flood extent. <i>Journal of Hydrology</i> , 2009 , 367, 276-282	6	114
23	Near real time satellite imagery to support and verify timely flood modelling. <i>Hydrological Processes</i> , 2009 , 23, 799-803	3.3	57
22	Probability-weighted hazard maps for comparing different flood risk management strategies: a case study. <i>Natural Hazards</i> , 2009 , 50, 479-496	3	85

21	Isla Hispaniola: A trans-boundary flood risk mitigation plan. <i>Physics and Chemistry of the Earth</i> , 2009 , 34, 209-218	3	25
20	Design flood estimation using model selection criteria. <i>Physics and Chemistry of the Earth</i> , 2009 , 34, 606-611	5	52
19	Model selection techniques for the frequency analysis of hydrological extremes. <i>Water Resources Research</i> , 2009 , 45,	5.4	123
18	The Utility of Spaceborne Radar to Render Flood Inundation Maps Based on Multialgorithm Ensembles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 2801-2807	8.1	96
17	Analysis of the effects of levee heightening on flood propagation: example of the River Po, Italy. <i>Hydrological Sciences Journal</i> , 2009 , 54, 1007-1017	3.5	96
16	Optimal Cross-Sectional Spacing in Preissmann Scheme 1D Hydrodynamic Models. <i>Journal of Hydraulic Engineering</i> , 2009 , 135, 96-105	1.8	102
15	Comparing the performance of a 2-D finite element and a 2-D finite volume model of floodplain inundation using airborne SAR imagery. <i>Hydrological Processes</i> , 2007 , 21, 2745-2759	3.3	95
14	Reliability of different depth-duration-frequency equations for estimating short-duration design storms. <i>Water Resources Research</i> , 2006 , 42,	5.4	24
13	Relationships between statistics of rainfall extremes and mean annual precipitation: an application for design-storm estimation in northern central Italy. <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 589-601	5.5	69
12	Drought and society: Scientific progress, blind spots, and future prospects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> ,	8.4	2
11	Human-flood interactions in Rome over the past 150 years. <i>Advances in Geosciences</i> , 44, 9-13		17
10	Drought in a human-modified world: reframing drought definitions, understanding and analysis approaches		4
9	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection		2
8	Towards understanding the dynamic behaviour of floodplains as human-water systems		6
7	Socio-hydrology: conceptualising human-flood interactions		10
6	Advancing catchment hydrology to deal with predictions under change		7
5	Assessing the impact of different sources of topographic data on 1-D hydraulic modelling of floods		1
4	Uncertainty in river discharge observations: a quantitative analysis		22

- 3 The interplay between human population dynamics and flooding in Bangladesh: a spatial analysis. *Proceedings of the International Association of Hydrological Sciences*, 364, 188-191 9
- 2 Bridging the gap: Reply to discussion of Guiding principles for hydrologists conducting interdisciplinary research and fieldwork with participants *Hydrological Sciences Journal*, 3·5
- 1 COVID-19 vaccine hesitancy in Sweden and Italy: The role of trust in authorities. *Scandinavian Journal of Public Health*, 140349482210994 3 1