

# Tim H M Van Emmerik

## List of Publications by Year in Descending Order

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

67

papers

1,522

citations

21

h-index

37

g-index

132

ext. papers

2,408

ext. citations

4.9

avg, IF

5.66

L-index

#	Paper	IF	Citations
67	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation <b>2022</b> , 241-274		3
66	Rivers as Plastic Reservoirs. <i>Frontiers in Water</i> , <b>2022</b> , 3,	2.6	4
65	Roadmap for Long-Term Macroplastic Monitoring in Rivers. <i>Frontiers in Environmental Science</i> , <b>2022</b> , 9,	4.8	1
64	A hydrologist's guide to open science. <i>Hydrology and Earth System Sciences</i> , <b>2022</b> , 26, 647-664	5.5	4
63	Deconstructing the Plastic Soup <b>2022</b> , 77-98		0
62	Plastics in Freshwater Bodies <b>2022</b> , 199-225		
61	Macroplastic research in an era of microplastic. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		2
60	Spotting Green Tides over Brittany from Space: Three Decades of Monitoring with Landsat Imagery. <i>Remote Sensing</i> , <b>2021</b> , 13, 1408	5	8
59	More than 1000 rivers account for 80% of global riverine plastic emissions into the ocean. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	94
58	Disentangling Variability in Riverbank Macrolitter Observations. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 4932-4942	10.3	5
57	Plastic Plants: The Role of Water Hyacinths in Plastic Transport in Tropical Rivers. <i>Frontiers in Environmental Science</i> , <b>2021</b> , 9,	4.8	8
56	An inshore-offshore sorting system revealed from global classification of ocean litter. <i>Nature Sustainability</i> , <b>2021</b> , 4, 484-493	22.1	39
55	Advancing Floating Macroplastic Detection from Space Using Experimental Hyperspectral Imagery. <i>Remote Sensing</i> , <b>2021</b> , 13, 2335	5	6
54	Plastic Pollution Research in Indonesia: State of Science and Future Research Directions to Reduce Impacts. <i>Frontiers in Environmental Science</i> , <b>2021</b> , 9,	4.8	10
53	A Field Guide for Monitoring Riverine Macroplastic Entrapment in Water Hyacinths. <i>Frontiers in Environmental Science</i> , <b>2021</b> , 9,	4.8	3
52	The motion of trees in the wind: a data synthesis. <i>Biogeosciences</i> , <b>2021</b> , 18, 4059-4072	4.6	8
51	Towards Underwater Macroplastic Monitoring Using Echo Sounding. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	7

50	Plastic in global rivers: are floods making it worse?. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 025003	6.2	29
49	Same but Different: A Framework to Design and Compare Riverbank Plastic Monitoring Strategies. <i>Frontiers in Water</i> , <b>2020</b> , 2,	2.6	14
48	Rapid Assessment of Floating Macroplastic Transport in the Rhine. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	36
47	An evaluation of the River-OSPAR method for quantifying macrolitter on Dutch riverbanks <b>2020</b> ,		2
46	Riverbank macrolitter in the Dutch Rhine-Meuse delta. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 104087	6.2	18
45	Plastic debris in rivers. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2020</b> , 7, e1398	5.7	84
44	Automated River Plastic Monitoring Using Deep Learning and Cameras. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2019EA000960	3.1	14
43	Crowd-Based Observations of Riverine Macroplastic Pollution. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	17
42	Manila River Mouths Act as Temporary Sinks for Macroplastic Pollution. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	15
41	Plastic Hotspot Mapping in Urban Water Systems. <i>Geosciences (Switzerland)</i> , <b>2020</b> , 10, 342	2.7	11
40	Macroplastic Storage and Remobilization in Rivers. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2055	3	29
39	Urban River Water Level Increase Through Plastic Waste Accumulation at a Rack Structure. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	22
38	Riverine plastic emission from Jakarta into the ocean. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 084033	6.2	53
37	Riverine Plastic Litter Monitoring Using Unmanned Aerial Vehicles (UAVs). <i>Remote Sensing</i> , <b>2019</b> , 11, 2045	5	42
36	Seasonality of riverine macroplastic transport. <i>Scientific Reports</i> , <b>2019</b> , 9, 13549	4.9	67
35	An architectural understanding of natural sway frequencies in trees. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20190116	4.1	17
34	Joint effort among research infrastructures to quantify the impact of plastic debris in the ocean. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 065001	6.2	17
33	Seine Plastic Debris Transport Tenfolded During Increased River Discharge. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	47

32	A Global Survey on the Perceptions and Impacts of Gender Inequality in the Earth and Space Sciences. <i>Earth and Space Science</i> , <b>2019</b> , 6, 1460-1468	3.1	15
31	Abundance of plastic debris across European and Asian rivers. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 124051	6.2	49
30	Reporting negative results to stimulate experimental hydrology: discussion of the role of experimental work in hydrological sciences – insights from a community survey. <i>Hydrological Sciences Journal</i> , <b>2018</b> , 63, 1269-1272	3.5	7
29	Uchimizu: A Cool(ing) Tradition to Locally Decrease Air Temperature. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 7413	3	3
28	Ideas and perspectives: Tree-atmosphere interaction responds to water-related stem variations. <i>Biogeosciences</i> , <b>2018</b> , 15, 6439-6449	4.6	8
27	A Methodology to Characterize Riverine Macroplastic Emission Into the Ocean. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,	4.5	87
26	Tree Sway Time Series of 7 Amazon Tree Species (July 2015–May 2016). <i>Frontiers in Earth Science</i> , <b>2018</b> , 6,	3.5	1
25	HESS Opinions: Science in today's media landscape – challenges and lessons from hydrologists and journalists. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 3589-3599	5.5	5
24	Skin Effect of Fresh Water Measured Using Distributed Temperature Sensing. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 214	3	5
23	Norms and values in sociohydrological models. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 1337-1349	5.5	37
22	Dielectric Response of Corn Leaves to Water Stress. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 8-12	4.1	17
21	A Global Assessment of Runoff Sensitivity to Changes in Precipitation, Potential Evaporation, and Other Factors. <i>Water Resources Research</i> , <b>2017</b> , 53, 8475-8486	5.4	76
20	Human-water interface in hydrological modelling: current status and future directions. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 4169-4193	5.5	114
19	Water stress detection in the Amazon using radar. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 6841-6849	4.9	18
18	Scaling, similarity, and the fourth paradigm for hydrology. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 3701-3713	5.5	42
17	Measuring Tree Properties and Responses Using Low-Cost Accelerometers. <i>Sensors</i> , <b>2017</b> , 17,	3.8	26
16	Scaling, Similarity, and the Fourth Paradigm for Hydrology. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 3701-3713	5.5	6
15	Proof of concept: temperature-sensing waders for environmental sciences. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2016</b> , 5, 45-51	1.5	8

14	Practical considerations for enhanced-resolution coil-wrapped distributed temperature sensing. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2016</b> , 5, 151-162	1.5	14
13	Practical considerations for enhanced-resolution coil-wrapped Distributed Temperature Sensing <b>2016</b> ,		2
12	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2015</b> , 53, 3855-3869	8.1	48
11	Predicting the ungauged basin: model validation and realism assessment. <i>Frontiers in Earth Science</i> , <b>2015</b> , 3,	3.5	18
10	A comparison between leaf dielectric properties of stressed and unstressed tomato plants <b>2015</b> ,		8
9	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 4239-4259	5.5	104
8	Measuring heat balance residual at lake surface using Distributed Temperature Sensing. <i>Limnology and Oceanography: Methods</i> , <b>2013</b> , 11, 79-90	2.6	26
7	Rivers running green: water hyacinth invasion monitored from space. <i>Environmental Research Letters</i> ,	6.2	1
6	Same but different: A framework to design and compare riverbank plastic monitoring strategies		3
5	Over 1000 rivers accountable for 80% of global riverine plastic emissions into the ocean		10
4	Human-water interface in hydrological modeling: Current status and future directions		4
3	Norms and values in socio-hydrological models		2
2	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River Basin, Australia		5
1	A Hydrologist's Guide to Open Science		3