Frank O Masese

List of Publications by Year
in descending order

47	1,166	430874	434195
papers	citations	18 h-index	31 g-index

51	51	51	1162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. Science Advances, 2019, 5, eaav0486.	10.3	133
2	Macroinvertebrate functional feeding groups in Kenyan highland streams: evidence for a diverse shredder guild. Freshwater Science, 2014, 33, 435-450.	1.8	101
3	A preliminary benthic macroinvertebrate index of biotic integrity (B-IBI) for monitoring the Moiben River, Lake Victoria Basin, Kenya. African Journal of Aquatic Science, 2009, 34, 1-14.	1.1	72
4	Macroinvertebrate assemblages as biological indicators of water quality in the Moiben River, Kenya. African Journal of Aquatic Science, 2009, 34, 15-26.	1.1	59
5	Influence of catchment land use and seasonality on dissolved organic matter composition and ecosystem metabolism in headwater streams of a Kenyan river. Biogeochemistry, 2017, 132, 1-22.	3.5	56
6	Biomonitoring as a prerequisite for sustainable water resources: a review of current status, opportunities and challenges to scaling up in East Africa. Ecohydrology and Hydrobiology, 2013, 13, 173-191.	2.3	47
7	Litter processing and shredder distribution as indicators of riparian and catchment influences on ecological health of tropical streams. Ecological Indicators, 2014, 46, 23-37.	6.3	46
8	Spatialâ€“temporal variability in water quality and macro-invertebrate assemblages in the Upper Mara River basin, Kenya. Physics and Chemistry of the Earth, 2014, 67-69, 93-104.	2.9	42
9	Improving the performance of the EPT Index to accommodate multiple stressors in Afrotropical streams. African Journal of Aquatic Science, 2017, 42, 219-233.	1.1	36
10	Effect of harvesting on temporal papyrus (Cyperus papyrus) biomass regeneration potential among swamps in Winam Gulf wetlands of Lake Victoria Basin, Kenya. Wetlands Ecology and Management, 2010, 18, 333-341.	1.5	35
11	Are Large Herbivores Vectors of Terrestrial Subsidies for Riverine Food Webs?. Ecosystems, 2015, 18, 686-706.	3.4	35
12	Land Use, Not Stream Order, Controls N₂O Concentration and Flux in the Upper Mara River Basin, Kenya. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3491-3506.	3.0	35
13	Macroinvertebrate Index of Biotic Integrity (M-IBI) for monitoring rivers in the upper catchment of Lake Victoria Basin, Kenya. Aquatic Ecosystem Health and Management, 2009, 12, 197-205.	0.6	33
14	Development of a fishâ€based index of biotic integrity (FIBI) for monitoring riverine ecosystems in the Lake Victoria drainage Basin, Kenya. River Research and Applications, 2012, 28, 23-38.	1.7	33
15	Impacts of detritivore diversity loss on instream decomposition are greatest in the tropics. Nature Communications, 2021, 12, 3700.	12.8	33
16	Trophic structure of an African savanna river and organic matter inputs by large terrestrial herbivores: A stable isotope approach. Freshwater Biology, 2018, 63, 1365-1380.	2.4	30
17	Trophic resources and emergent food web attributes in rivers of the Lake Victoria Basin: a review with reference to anthropogenic influences. Ecohydrology, 2012, 5, 685-707.	2.4	28
18	Latitude dictates plant diversity effects on instream decomposition. Science Advances, 2021, 7, .	10.3	27

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19	Assessment of water quality using multivariate techniques in River Sosiani, Kenya. Environmental Monitoring and Assessment, 2017, 189, 280.	2.7	26
20	Land-use influence on the functional organization of Afrotropical macroinvertebrate assemblages. Limnologica, 2021, 88, 125875.	1.5	23
21	Effects of human activities on benthic macroinvertebrate community composition and water quality in the upper catchment of the <scp>M</scp>ara <scp>R</scp>iver <scp>B</scp>asin, <scp>K</scp>enya. Lakes and Reservoirs: Research and Management, 2015, 20, 128-137.	0.9	19
22	Hippopotamus are distinct from domestic livestock in their resource subsidies to and effects on aquatic ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20193000.	2.6	19
23	Effect of stocking density on growth performance of monosex Nile Tilapia (Oreochromis niloticus) in the aquaponic system integrated with lettuce (Lactuca sativa). Aquaculture and Fisheries, 2022, 7, 328-335.	2.2	17
24	Spatial variability in water quality and macroinvertebrate assemblages across a disturbance gradient in the Mara River Basin, Kenya. Ecohydrology and Hydrobiology, 2021, 21, 718-730.	2.3	16
25	Spatio-Temporal Impacts of Lake Victoria Water Level Recession on the Fringing Nyando Wetland, Kenya. Wetlands, 2018, 38, 1107-1119.	1.5	13
26	Distribution patterns and diversity of riverine fishes of the Lake Victoria Basin, Kenya. International Review of Hydrobiology, 2020, 105, 171-184.	0.9	12
27	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. Global Biogeochemical Cycles, 2022, 36, .	4.9	12
28	Use of macrophytes in the bioassessment of the health of Kingâ€™wal Wetland, Lake Victoria Basin, Kenya. Aquatic Ecosystem Health and Management, 2014, 17, 129-136.	0.6	10
29	Use of macroinvertebrate assemblages for assessing performance of stabilization ponds treating effluents from sugarcane and molasses processing. Environmental Monitoring and Assessment, 2017, 189, 79.	2.7	10
30	Fish assemblages and size-spectra variation among rivers of Lake Victoria Basin, Kenya. Ecological Indicators, 2020, 118, 106745.	6.3	10
31	Macroinvertebrate taxa display increased fidelity to preferred biotopes among disturbed sites in a hydrologically variable tropical river. Hydrobiologia, 2021, 848, 321-343.	2.0	10
32	Assessment of the Ecological Health of Afrotropical Rivers Using Fish Assemblages: A Case Study of Selected Rivers in the Lake Victoria Basin, Kenya. Frontiers in Water, 2021, 2, .	2.3	10
33	Livestock as vectors of organic matter and nutrient loading in aquatic ecosystems in African savannas. PLoS ONE, 2021, 16, e0257076.	2.5	10
34	Citizen Science for Bio-indication: Development of a Community-Based Index of Ecosystem Integrity for Assessing the Status of Afrotropical Riverine Ecosystems. Frontiers in Water, 2021, 2, .	2.3	9
35	Impact of a Kraft Pulp and Paper Mill Effluent on Phytoplankton and Macroinvertebrates in River Nzoia, Kenya. Water Quality Research Journal of Canada, 2010, 45, 235-250.	2.7	8
36	Animal legacies lost and found in river ecosystems. Environmental Research Letters, 2021, 16, 115011.	5.2	7

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37	Shifts in the food of Nile perch (Lates niloticus) in Lake Victoria. Lakes and Reservoirs: Research and Management, 2019, 24, 13-17.	0.9	6
38	Elevation and land use as drivers of macroinvertebrate functional composition in Afromontane headwater streams. Marine and Freshwater Research, 2021, 72, 1517-1532.	1.3	6
39	Water quality and ecology of Lake Kanyaboli, Kenya: Current status and historical changes. Lakes and Reservoirs: Research and Management, 2022, 27, .	0.9	6
40	Identifying Stream Invertebrates as Plant Litter Consumers. , 2020, , 455-464.		5
41	Abundance- and biomass-based metrics of functional composition of macroinvertebrates as surrogates of ecosystem attributes in Afrotropical streams. Aquatic Sciences, 2021, 83, 1.	1.5	4
42	Endemic Lake Baringo Oreochromis niloticus fishery on verge of collapse: Review of causes and strategies directed to its recovery, conservation and management for sustainable exploitation. Lakes and Reservoirs: Research and Management, 2020, 25, 423-438.	0.9	4
43	Large herbivorous wildlife and livestock differentially influence the relative importance of different sources of energy for riverine food webs. Science of the Total Environment, 2022, 828, 154452.	8.0	4
44	No Difference in Instream Decomposition Among Upland Agricultural and Forested Streams in Kenya. Frontiers in Environmental Science, 2021, 9, .	3.3	3
45	Influence of the changing environment on food composition and condition factor in Labeo victorianus (Boulenger, 1901) in rivers of Lake Victoria Basin, Kenya. Aquaculture and Fisheries, 2023, 8, 227-238.	2.2	2
46	Editorial: Advances in Biomonitoring for the Sustainability of Vulnerable African Riverine Ecosystems. Frontiers in Water, 2021, 3, .	2.3	2
47	Seasonality in Environmental Conditions Drive Variation in Plankton Communities in a Shallow Tropical Lake. Frontiers in Water, 2022, 4, .	2.3	1