

Bram J Vanschoenwinkel

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

3,112
citations

186265

28
h-index

175258

52
g-index

92
all docs

92
docs citations

92
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid evolution of thermal tolerance in the water flea <i>Daphnia</i> . <i>Nature Climate Change</i> , 2015, 5, 665-668.	18.8	230
2	Invertebrate community patterns in Mediterranean temporary wetlands along hydroperiod and salinity gradients. <i>Freshwater Biology</i> , 2008, 53, 1808-1822.	2.4	195
3	A process-based metacommunity framework linking local and regional scale community ecology. <i>Ecology Letters</i> , 2020, 23, 1314-1329.	6.4	193
4	Any way the wind blows – frequent wind dispersal drives species sorting in ephemeral aquatic communities. <i>Oikos</i> , 2008, 117, 125-134.	2.7	180
5	The role of metacommunity processes in shaping invertebrate rock pool communities along a dispersal gradient. <i>Oikos</i> , 2007, 116, 1255-1266.	2.7	139
6	Relative importance of different dispersal vectors for small aquatic invertebrates in a rock pool metacommunity. <i>Ecography</i> , 2008, 31, 567-577.	4.5	126
7	Community structure in temporary freshwater pools: disentangling the effects of habitat size and hydroregime. <i>Freshwater Biology</i> , 2009, 54, 1487-1500.	2.4	105
8	Freshwater rock pools: a review of habitat characteristics, faunal diversity and conservation value. <i>Freshwater Biology</i> , 2010, 55, 1587-1602.	2.4	92
9	Species sorting in space and time – the impact of disturbance regime on community assembly in a temporary pool metacommunity. <i>Journal of the North American Benthological Society</i> , 2010, 29, 1267-1278.	3.1	88
10	A general framework for propagule dispersal in mangroves. <i>Biological Reviews</i> , 2019, 94, 1547-1575.	10.4	88
11	Unintentional dispersal of aquatic invertebrates via footwear and motor vehicles in a Mediterranean wetland area. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010, 20, 580-587.	2.0	85
12	Disturbance regime alters the impact of dispersal on alpha and beta diversity in a natural metacommunity. <i>Ecology</i> , 2013, 94, 2547-2557.	3.2	82
13	Passive external transport of freshwater invertebrates by elephant and other mud-wallowing mammals in an African savannah habitat. <i>Freshwater Biology</i> , 2011, 56, 1606-1619.	2.4	72
14	Dispersal of freshwater invertebrates by large terrestrial mammals: a case study with wild boar (<i>Sus scrofa</i>) in Mediterranean wetlands. <i>Freshwater Biology</i> , 2008, 53, 2264-2273.	2.4	66
15	Wind mediated dispersal of freshwater invertebrates in a rock pool metacommunity: differences in dispersal capacities and modes. <i>Hydrobiologia</i> , 2009, 635, 363-372.	2.0	64
16	We should not necessarily expect positive relationships between biodiversity and ecosystem functioning in observational field data. <i>Ecology Letters</i> , 2021, 24, 2537-2548.	6.4	64
17	Hatching phenology, life history and egg bank size of fairy shrimp <i>Branchipodopsis</i> spp. (Branchiopoda, Crustacea) in relation to the ephemerality of their rock pool habitat. <i>Aquatic Ecology</i> , 2010, 44, 771-780.	1.5	61
18	Hydrological stability drives both local and regional diversity patterns in rock pool metacommunities. <i>Oikos</i> , 2015, 124, 741-749.	2.7	55

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19	Quantifying the Hydroregime of a Temporary Pool Habitat: A Modelling Approach for Ephemeral Rock Pools in SE Botswana. <i>Ecosystems</i> , 2008, 11, 89-100.	3.4	47
20	Toward a Global Phylogeny of the "Living Fossil" Crustacean Order of the Notostraca. <i>PLoS ONE</i> , 2012, 7, e34998.	2.5	45
21	Effect of salinity on seasonal community patterns of Mediterranean temporary wetland crustaceans: A mesocosm study. <i>Limnology and Oceanography</i> , 2010, 55, 1712-1722.	3.1	43
22	Propagule size and shape may promote local wind dispersal in freshwater zooplankton-a wind tunnel experiment. <i>Limnology and Oceanography</i> , 2016, 61, 122-131.	3.1	43
23	Impact of landscape structure on propagule dispersal in mangrove forests. <i>Marine Ecology - Progress Series</i> , 2015, 524, 95-106.	1.9	42
24	Predictions of climate change infer increased environmental harshness and altered connectivity in a cluster of temporary pools. <i>Freshwater Biology</i> , 2014, 59, 955-968.	2.4	40
25	Interaction between Water and Wind as a Driver of Passive Dispersal in Mangroves. <i>PLoS ONE</i> , 2015, 10, e0121593.	2.5	38
26	Early and late developmental arrest as complementary embryonic bet-hedging strategies in African killifish. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 941-948.	1.6	37
27	The importance of landscape and habitat properties in explaining instantaneous and long-term distributions of large branchiopods in subtropical temporary pans. <i>Freshwater Biology</i> , 2011, 56, 1992-2008.	2.4	34
28	Aridity promotes bet hedging via delayed hatching: a case study with two temporary pond crustaceans along a latitudinal gradient. <i>Oecologia</i> , 2017, 184, 161-170.	2.0	32
29	Mechanistic and evolutionary aspects of light-induced dormancy termination in a temporary pond crustacean. <i>Freshwater Science</i> , 2013, 32, 517-524.	1.8	29
30	Environmental change as a driver of diversification in temporary aquatic habitats: does the genetic structure of extant fairy shrimp populations reflect historic aridification?. <i>Freshwater Biology</i> , 2013, 58, 1556-1572.	2.4	28
31	Newly created ponds complement natural waterbodies for restoration of macroinvertebrate assemblages. <i>Freshwater Biology</i> , 2016, 61, 1640-1654.	2.4	28
32	Conservation status of large branchiopods in the western Cape, South Africa. <i>Wetlands</i> , 2007, 27, 162-173.	1.5	27
33	Diversity and distribution of large branchiopods in Kiskunság (Hungary) in relation to local habitat and spatial factors: implications for their conservation. <i>Marine and Freshwater Research</i> , 2008, 59, 940.	1.3	27
34	Long-term effects of salinity and disturbance regime on active and dormant crustacean communities. <i>Limnology and Oceanography</i> , 2011, 56, 1008-1022.	3.1	27
35	Mitochondrial gene trees support persistence of cold tolerant fairy shrimp throughout the Pleistocene glaciations in both southern and more northerly refugia. <i>Hydrobiologia</i> , 2013, 714, 155-167.	2.0	27
36	Where does land use matter most? Contrasting land use effects on river quality at different spatial scales. <i>Science of the Total Environment</i> , 2020, 715, 134825.	8.0	26

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37	Long Distance Dispersal of Zooplankton Endemic to Isolated Mountaintops - an Example of an Ecological Process Operating on an Evolutionary Time Scale. <i>PLoS ONE</i> , 2011, 6, e26730.	2.5	25
38	Climate change jeopardizes the persistence of freshwater zooplankton by reducing both habitat suitability and demographic resilience. <i>BMC Ecology</i> , 2018, 18, 2.	3.0	24
39	Can large branchiopods shape microcrustacean communities in Mediterranean temporary wetlands?. <i>Marine and Freshwater Research</i> , 2011, 62, 46.	1.3	23
40	Flexible dispersal dimorphism in zooplankton resting eggs: an example of repeated phenotypic coin flipping?. <i>Biological Journal of the Linnean Society</i> , 2013, 110, 749-756.	1.6	21
41	Modelling the sensitivity of life history traits to climate change in a temporary pool crustacean. <i>Scientific Reports</i> , 2016, 6, 29451.	3.3	21
42	Invertebrates in Rock Pools. , 2016, , 25-53.		20
43	Fairy shrimps in distress: a molecular taxonomic review of the diverse fairy shrimp genus <i>Branchinella</i> (Anostraca: Thamnocephalidae) in Australia in the light of ongoing environmental change. <i>Hydrobiologia</i> , 2013, 700, 313-327.	2.0	19
44	Life stage dependent responses to desiccation risk in the annual killifish <i>Nothobranchius wattersi</i> . <i>Journal of Fish Biology</i> , 2017, 91, 880-895.	1.6	18
45	Squeezing out the last egg—annual fish increase reproductive efforts in response to a predation threat. <i>Ecology and Evolution</i> , 2018, 8, 6390-6398.	1.9	18
46	Both local presence and regional distribution of predator cues modulate prey colonisation in pond landscapes. <i>Ecology Letters</i> , 2019, 22, 89-97.	6.4	18
47	Accounting for temporal change in multiple biodiversity patterns improves the inference of metacommunity processes. <i>Ecology</i> , 2022, 103, e3683.	3.2	17
48	Mangrove dispersal disrupted by projected changes in global seawater density. <i>Nature Climate Change</i> , 2022, 12, 685-691.	18.8	16
49	Environmental harshness shapes life-history variation in an Australian temporary pool breeding frog: a skeletochronological approach. <i>Oecologia</i> , 2015, 178, 931-941.	2.0	14
50	Partitioning the variation in African vertebrate distributions into environmental and spatial components—exploring the link between ecology and biogeography. <i>Ecography</i> , 2015, 38, 450-461.	4.5	14
51	High genetic variation and phylogeographic relations among Palearctic fairy shrimp populations reflect persistence in multiple southern refugia during Pleistocene ice ages and postglacial colonisation. <i>Freshwater Biology</i> , 2019, 64, 1896-1907.	2.4	12
52	An empirical test of the impact of drying events and physical disturbance on wind erosion of zooplankton egg banks in temporary ponds. <i>Aquatic Ecology</i> , 2020, 54, 137-144.	1.5	12
53	Climatic control of mat vegetation communities on inselberg archipelagos in south-eastern Brazil. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 604-623.	1.6	12
54	Pesticide sensitivity of <i>Nothobranchius neumanni</i> , a temporary pond predator with a non-generic life-history. <i>Chemosphere</i> , 2022, 291, 132823.	8.2	12

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55	Caught in transit: offshore interception of seafaring propagules from seven mangrove species. <i>Ecosphere</i> , 2018, 9, e02208.	2.2	11
56	Constitutive but no Triops-induced differences in bet-hedging strategies for hatching in <i>Daphnia</i> . <i>Hydrobiologia</i> , 2013, 715, 29-35.	2.0	10
57	Exploring links between geology, hydroperiod, and diversity and distribution patterns of anostracans and notostracans (Branchiopoda) in a tropical savannah habitat in SE Zimbabwe. <i>Journal of Crustacean Biology</i> , 2015, 35, 309-318.	0.8	10
58	Habitat uncertainty explains variation in offspring provisioning strategies in a temporary pond crustacean. <i>Hydrobiologia</i> , 2017, 801, 141-151.	2.0	10
59	Seasonal variation in benthic macroinvertebrate assemblages and water quality in an Afrotropical river catchment, northeastern Tanzania. <i>Limnologia</i> , 2020, 82, 125780.	1.5	10
60	Mapping microhabitat structure and connectivity on a tropical inselberg using UAV remote sensing. <i>Progress in Physical Geography</i> , 2021, 45, 427-445.	3.2	9
61	An empirical confirmation of diversified bet hedging as a survival strategy in unpredictably varying environments. <i>Ecology</i> , 2021, 102, e03496.	3.2	9
62	When fear kicks in: predator cues initially do not but eventually do affect insect distribution patterns in a new artificial pond cluster. <i>Hydrobiologia</i> , 2017, 790, 157-166.	2.0	8
63	Disentangling the Spatio-Environmental Drivers of Human Settlement: An Eigenvector Based Variation Decomposition. <i>PLoS ONE</i> , 2013, 8, e67726.	2.5	8
64	The dynamics of mountain rock pools – Are aquatic and terrestrial habitats alternative stable states?. <i>Acta Oecologica</i> , 2013, 47, 24-29.	1.1	7
65	Mechanisms for the inclusion of cumulative impacts in conservation decision-making are sensitive to vulnerability and irreplaceability in a stochastically simulated landscape. <i>Journal for Nature Conservation</i> , 2014, 22, 265-271.	1.8	7
66	Mountains and rocky outcrops as ecological refuges in a high biodiversity working landscape. <i>Biological Conservation</i> , 2020, 250, 108759.	4.1	7
67	Hidden Hybridization and Habitat Differentiation in a Mediterranean Macrophyte, the Euryhaline Genus <i>Ruppia</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 830.	3.6	7
68	Prey colonization in freshwater landscapes can be stimulated or inhibited by the proximity of remote predators. <i>Journal of Animal Ecology</i> , 2020, 89, 1766-1774.	2.8	6
69	Odorant-binding proteins in canine anal sac glands indicate an evolutionarily conserved role in mammalian chemical communication. <i>Bmc Ecology and Evolution</i> , 2021, 21, 182.	1.6	6
70	Keep your natural enemies close – native predators can maintain low mosquito densities in temporary ponds in a malaria expansion area in Northern Tanzania. <i>Science of the Total Environment</i> , 2021, 794, 148606.	8.0	6
71	Simple mechanistic models can partially explain local but not range-wide occurrence of African mammals. <i>Global Ecology and Biogeography</i> , 2015, 24, 762-773.	5.8	5
72	How do patch quality and spatial context affect invertebrate communities in a natural moss microlandscape?. <i>Acta Oecologica</i> , 2017, 85, 126-135.	1.1	5

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73	Gallant geese, fearful flocks? Flock size and heterospecifics alter the escape behaviour of an invasive goose. <i>Belgian Journal of Zoology</i> , 2018, 148, .	0.5	5
74	Adding energy gradients and long-distance dispersal to a neutral model improves predictions of Madagascar bird diversity. <i>Ecology and Evolution</i> , 2016, 6, 6919-6929.	1.9	4
75	The power of numbers: dynamics of hatching and dormant egg production in two populations of the water flea <i>Daphnia magna</i> . <i>Aquatic Ecology</i> , 2019, 53, 393-406.	1.5	4
76	Exploring the suitability of bromeliads as aquatic breeding habitats for cacao pollinators. <i>Hydrobiologia</i> , 2019, 828, 327-337.	2.0	4
77	Large branchiopods. , 2022, , 273-305.		4
78	Contrasting biodiversity and food web structure of three temporary freshwater habitats in a tropical biodiversity hotspot. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2603-2620.	2.0	3
79	The role of metacommunity processes in shaping invertebrate rock pool communities along a dispersal gradient. <i>Oikos</i> , 2007, 116, 1255-1266.	2.7	3
80	Highway(s) overhead: Strong differences in wetland connectivity and protected status challenge waterbird migration along the four Palearctic-Afrotropical flyways. <i>Diversity and Distributions</i> , 2022, 28, 1067-1080.	4.1	3
81	Direct effects of elevated dissolved CO ₂ can alter the life history of freshwater zooplankton. <i>Scientific Reports</i> , 2022, 12, 6134.	3.3	3
82	A precipitation gradient drives change in macroinvertebrate composition and interactions within bromeliads. <i>PLoS ONE</i> , 2018, 13, e0200179.	2.5	2
83	Explaining diversity patterns in dark waters – a study of aquatic caves in Yucatán, Mexico. <i>Journal of Tropical Ecology</i> , 2019, 35, 237-246.	1.1	2
84	Bioenergetic data show weak spatial but strong seasonal differences in wetland quality for waders in a Mediterranean migration bottleneck. <i>Freshwater Biology</i> , 2020, 65, 1529-1542.	2.4	2
85	Could ecosystem management provide a new framework for Alzheimer's disease?. <i>Alzheimer's and Dementia</i> , 2016, 12, 65.	0.8	1
86	Habitat isolation and the cues of three remote predators differentially modulate prey colonization dynamics in pond landscapes. <i>Oecologia</i> , 2021, 196, 1027-1038.	2.0	1
87	The role of anthropogenic container habitats as mosquito oviposition habitats in rural settlements in northern Tanzania. <i>Journal of Vector Ecology</i> , 2022, 47, .	1.0	1
88	µCT scanning-a novel method for in vivo 3D characterization of zooplankton propagules. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 759-766.	2.0	0
89	The conservation status of African vertebrates is unrelated to environmental and spatial patterns in their geographic ranges. <i>Biodiversity and Conservation</i> , 2018, 27, 567-582.	2.6	0