

Vinicius Fortes Farjalla

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,396
citations

145106

33
h-index

190340

53
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95
all docs

95
docs citations

95
times ranked

5148
citing authors

#	ARTICLE	IF	CITATIONS
1	Geographical variation in the trait-based assembly patterns of multitrophic invertebrate communities. <i>Functional Ecology</i> , 2023, 37, 73-86.	1.7	2
2	Disentangling the mechanisms related to the reduction of aquatic habitat size on predator-prey interactions. <i>Hydrobiologia</i> , 2022, 849, 1207.	1.0	0
3	The contribution of autochthonous resource to the diet of aquatic consumers is unrelated to its spatial distribution in tank bromeliads. <i>Freshwater Science</i> , 2022, 41, 77-87.	0.9	2
4	Functional redundancy dampens precipitation change impacts on species-rich invertebrate communities across the Neotropics. <i>Functional Ecology</i> , 2022, 36, 1559-1572.	1.7	0
5	Asynchronous recovery of predators and prey conditions resilience to drought in a neotropical ecosystem. <i>Scientific Reports</i> , 2022, 12, 8392.	1.6	2
6	Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. <i>Ecography</i> , 2021, 44, 440-452.	2.1	4
7	Species niches, not traits, determine abundance and occupancy patterns: A multi-site synthesis. <i>Global Ecology and Biogeography</i> , 2020, 29, 295-308.	2.7	13
8	Biodiversity-mediated effects on ecosystem functioning depend on the type and intensity of environmental disturbances. <i>Oikos</i> , 2020, 129, 433-443.	1.2	7
9	In situ resistance, not immigration, supports invertebrate community resilience to drought intensification in a Neotropical ecosystem. <i>Journal of Animal Ecology</i> , 2020, 90, 2015-2026.	1.3	3
10	Desiccation resistance traits predict freshwater invertebrate survival and community response to drought scenarios in a Neotropical ecosystem. <i>Ecological Indicators</i> , 2020, 119, 106839.	2.6	6
11	Extreme rainfall events alter the trophic structure in bromeliad tanks across the Neotropics. <i>Nature Communications</i> , 2020, 11, 3215.	5.8	33
12	Dissolved methane concentrations and fluxes to the atmosphere from a tropical floodplain lake. <i>Biogeochemistry</i> , 2020, 148, 129-151.	1.7	27
13	Ecological response to altered rainfall differs across the Neotropics. <i>Ecology</i> , 2020, 101, e02984.	1.5	17
14	Researcher engagement in policy deemed societally beneficial yet unrewarded. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 375-382.	1.9	17
15	Changes in rainfall level and litter stoichiometry affect aquatic community and ecosystem processes in bromeliad phytotelmata. <i>Freshwater Biology</i> , 2019, 64, 1357-1368.	1.2	9
16	Seasonal and spatial variability of CO ₂ in aquatic environments of the central lowland Amazon basin. <i>Biogeochemistry</i> , 2019, 143, 133-149.	1.7	11
17	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	3.9	177
18	Is Biodiversity Able to Buffer Ecosystems from Climate Change? What We Know and What We Don't. <i>BioScience</i> , 2018, 68, 273-280.	2.2	30

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19	High rates of methane oxidation in an Amazon floodplain lake. <i>Biogeochemistry</i> , 2018, 137, 351-365.	1.7	32
20	Geographical and experimental contexts modulate the effect of warming on top-down control: a meta-analysis. <i>Ecology Letters</i> , 2018, 21, 455-466.	3.0	32
21	Interactive effects of climate change and biodiversity loss on ecosystem functioning. <i>Ecology</i> , 2018, 99, 1203-1213.	1.5	70
22	Salinity Drives the Virioplankton Abundance but Not Production in Tropical Coastal Lagoons. <i>Microbial Ecology</i> , 2018, 75, 52-63.	1.4	13
23	A precipitation gradient drives change in macroinvertebrate composition and interactions within bromeliads. <i>PLoS ONE</i> , 2018, 13, e0200179.	1.1	2
24	Functional traits and environmental conditions predict community isotopic niches and energy pathways across spatial scales. <i>Functional Ecology</i> , 2018, 32, 2423-2434.	1.7	20
25	Constraints on the functional trait space of aquatic invertebrates in bromeliads. <i>Functional Ecology</i> , 2018, 32, 2435-2447.	1.7	41
26	Ecological mechanisms and phylogeny shape invertebrate stoichiometry: A test using detritus-based communities across Central and South America. <i>Functional Ecology</i> , 2018, 32, 2448-2463.	1.7	46
27	Functional structure of the bromeliad tank microbiome is strongly shaped by local geochemical conditions. <i>Environmental Microbiology</i> , 2017, 19, 3132-3151.	1.8	58
28	High taxonomic variability despite stable functional structure across microbial communities. <i>Nature Ecology and Evolution</i> , 2017, 1, 15.	3.4	378
29	Rainfall and hydrological stability alter the impact of top predators on food web structure and function. <i>Global Change Biology</i> , 2017, 23, 673-685.	4.2	25
30	Environmental factors driving phytoplankton taxonomic and functional diversity in Amazonian floodplain lakes. <i>Hydrobiologia</i> , 2017, 802, 115-130.	1.0	54
31	Terrestrial support of aquatic food webs depends on light inputs: a geographically replicated test using tank bromeliads. <i>Ecology</i> , 2016, 97, 2147-2156.	1.5	40
32	Predicted rainfall changes disrupt trophic interactions in a tropical aquatic ecosystem. <i>Ecology</i> , 2016, 97, 2750-2759.	1.5	34
33	Diffusive methane fluxes from Negro, Solimões and Madeira rivers and fringing lakes in the Amazon basin. <i>Limnology and Oceanography</i> , 2016, 61, S221.	1.6	37
34	Predator kairomones change food web structure and function, regardless of cues from consumed prey. <i>Oikos</i> , 2016, 125, 1017-1026.	1.2	16
35	Carbon dioxide outgassing from Amazonian aquatic ecosystems in the Negro River basin. <i>Biogeochemistry</i> , 2016, 129, 77-91.	1.7	22
36	An overview of the contribution of studies with cladocerans to environmental stress research. <i>Acta Limnologica Brasiliensia</i> , 2015, 27, 145-159.	0.4	15

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37	Interaction between resource identity and bacterial community composition regulates bacterial respiration in aquatic ecosystems. <i>Brazilian Journal of Biology</i> , 2015, 75, 150-157.	0.4	1
38	Potential changes in bacterial metabolism associated with increased water temperature and nutrient inputs in tropical humic lagoons. <i>Frontiers in Microbiology</i> , 2015, 6, 310.	1.5	37
39	Viruses and bacteria in floodplain lakes along a major Amazon tributary respond to distance to the Amazon River. <i>Frontiers in Microbiology</i> , 2015, 6, 158.	1.5	17
40	Space and seasonality effects on the aquatic macrophyte community of temporary Neotropical upland lakes. <i>Aquatic Botany</i> , 2015, 126, 54-59.	0.8	7
41	Community structure of resting egg banks and concordance patterns between dormant and active zooplankters in tropical lakes. <i>Hydrobiologia</i> , 2015, 758, 183-195.	1.0	24
42	Dominant predators mediate the impact of habitat size on trophic structure in bromeliad invertebrate communities. <i>Ecology</i> , 2015, 96, 428-439.	1.5	68
43	The negative effects of temperature increase on bacterial respiration are independent of changes in community composition. <i>Environmental Microbiology Reports</i> , 2014, 6, 131-135.	1.0	10
44	Are the mixing zones between aquatic ecosystems hot spots of bacterial production in the Amazon River system?. <i>Hydrobiologia</i> , 2014, 728, 153-165.	1.0	18
45	Correlates of Zooplankton Beta Diversity in Tropical Lake Systems. <i>PLoS ONE</i> , 2014, 9, e109581.	1.1	73
46	The Combination of Different Carbon Sources Enhances Bacterial Growth Efficiency in Aquatic Ecosystems. <i>Microbial Ecology</i> , 2013, 66, 871-878.	1.4	58
47	Aquatic macroinvertebrate community composition in tank bromeliads is determined by bromeliad species and its constrained characteristics. <i>Insect Conservation and Diversity</i> , 2013, 6, 372-380.	1.4	32
48	Biodiversity effects of ecosystem engineers are stronger on more complex ecosystem processes. <i>Ecology</i> , 2013, 94, 1977-1985.	1.5	21
49	Seasonal variation and interaction of photodegradation and microbial metabolism of DOC in black water Amazonian ecosystems. <i>Aquatic Microbial Ecology</i> , 2013, 70, 157-168.	0.9	28
50	Biodiversity effects of benthic ecosystem engineers on the spatial patterns of sediment CH ₄ concentration in an urban Neotropical coastal lagoon. <i>Acta Limnologica Brasiliensia</i> , 2013, 25, 302-314.	0.4	1
51	Regulation of bacterioplankton density and biomass in tropical shallow coastal lagoons. <i>Acta Limnologica Brasiliensia</i> , 2013, 25, 224-234.	0.4	2
52	Origin, concentration, availability and fate of dissolved organic carbon in coastal lagoons of the Rio de Janeiro State. <i>Acta Limnologica Brasiliensia</i> , 2013, 25, 326-340.	0.4	10
53	Tropical freshwater ecosystems have lower bacterial growth efficiency than temperate ones. <i>Frontiers in Microbiology</i> , 2013, 4, 167.	1.5	52
54	Climate change in Brazil: perspective on the biogeochemistry of inland waters. <i>Brazilian Journal of Biology</i> , 2012, 72, 709-722.	0.4	52

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55	Ecological determinism increases with organism size. <i>Ecology</i> , 2012, 93, 1752-1759.	1.5	172
56	Community Biomass and Bottom up Multivariate Nutrient Complementarity Mediate the Effects of Bioturbator Diversity on Pelagic Production. <i>PLoS ONE</i> , 2012, 7, e44925.	1.1	7
57	Concordance among assemblages of upland Amazonian lakes and the structuring role of spatial and environmental factors. <i>Ecological Indicators</i> , 2011, 11, 1171-1176.	2.6	48
58	Bioturbating space enhances the effects of non-additive interactions among benthic ecosystem engineers on cross-habitat nutrient regeneration. <i>Oikos</i> , 2011, 120, 1639-1648.	1.2	12
59	Habitat size determine algae biomass in tank-bromeliads. <i>Hydrobiologia</i> , 2011, 678, 191-199.	1.0	39
60	Natural dissolved humic substances increase the lifespan and promote transgenerational resistance to salt stress in the cladoceran <i>Moina macrocopa</i> . <i>Environmental Science and Pollution Research</i> , 2011, 18, 1004-1014.	2.7	44
61	Effects of resources and food web structure on bacterioplankton production in a tropical humic lagoon. <i>Journal of Plankton Research</i> , 2011, 33, 1596-1605.	0.8	6
62	Spatiotemporal Variation of Bacterial Community Composition and Possible Controlling Factors in Tropical Shallow Lagoons. <i>Microbial Ecology</i> , 2010, 59, 819-829.	1.4	28
63	Stoichiometry of benthic invertebrate nutrient recycling: interspecific variation and the role of body mass. <i>Aquatic Ecology</i> , 2010, 44, 421-430.	0.7	30
64	The prominence of and biases in biodiversity and ecosystem functioning research. <i>Biodiversity and Conservation</i> , 2010, 19, 651-664.	1.2	56
65	Hydrological connectivity in coastal inland systems: lessons from a Neotropical fish metacommunity. <i>Ecology of Freshwater Fish</i> , 2010, 19, 7-18.	0.7	31
66	Temporal coherence among tropical coastal lagoons: a search for patterns and mechanisms. <i>Brazilian Journal of Biology</i> , 2010, 70, 803-814.	0.4	50
67	Virus-Bacterium Coupling Driven by both Turbidity and Hydrodynamics in an Amazonian Floodplain Lake. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7194-7201.	1.4	22
68	Bottom-up regulation of bacterial growth in tropical phytotelm bromeliads. <i>Hydrobiologia</i> , 2009, 632, 347-353.	1.0	21
69	DOC removal paradigms in highly humic aquatic ecosystems. <i>Environmental Science and Pollution Research</i> , 2009, 16, 531-538.	2.7	69
70	Synergy of Fresh and Accumulated Organic Matter to Bacterial Growth. <i>Microbial Ecology</i> , 2009, 57, 657-666.	1.4	68
71	Substrate influence and temporal changes on periphytic biomass accrual and metabolism in a tropical humic lagoon. <i>Limnologia</i> , 2009, 39, 209-218.	0.7	21
72	Interactive effects of environmental variability and human impacts on the long-term dynamics of an Amazonian floodplain lake and a South Atlantic coastal lagoon. <i>Limnologia</i> , 2009, 39, 306-313.	0.7	30

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73	Benthic bioturbator enhances CH ₄ fluxes among aquatic compartments and atmosphere in experimental microcosms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1649-1657.	0.7	14
74	Neotropical coastal lagoons: an appraisal of their biodiversity, functioning, threats and conservation management. <i>Brazilian Journal of Biology</i> , 2008, 68, 967-981.	0.4	99
75	Seasonal changes of dissolved organic carbon photo-oxidation rates in a tropical humic lagoon: the role of rainfall as a major regulator. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1266-1272.	0.7	45
76	Functional bioturbator diversity enhances benthic-pelagic processes and properties in experimental microcosms. <i>Journal of the North American Benthological Society</i> , 2007, 26, 450-459.	3.0	35
77	Contrasting interactions mediate dissolved organic matter decomposition in tropical aquatic ecosystems. <i>Aquatic Microbial Ecology</i> , 2007, 49, 25-34.	0.9	38
78	Bacterial growth and DOC consumption in a tropical coastal lagoon. <i>Brazilian Journal of Biology</i> , 2006, 66, 383-392.	0.4	13
79	Complementary pathways of dissolved organic carbon removal pathways in clear-water Amazonian ecosystems: photochemical degradation and bacterial uptake. <i>FEMS Microbiology Ecology</i> , 2006, 56, 8-17.	1.3	61
80	Dissolved humic substances - ecological driving forces from the individual to the ecosystem level?. <i>Freshwater Biology</i> , 2006, 51, 1189-1210.	1.2	242
81	Effects of the Sand Bar Breaching on <i>Typha domingensis</i> (PERS.) in a Tropical Coastal Lagoon. <i>Hydrobiologia</i> , 2006, 556, 61-68.	1.0	25
82	The Influence of Bauxite Tailings on the Growth and Development of <i>Oryza glumaepatula</i> in an Amazonian Lake. <i>Hydrobiologia</i> , 2006, 563, 87-97.	1.0	2
83	Influence of Hydrological Pulse on Bacterial Growth and DOC Uptake in a Clear-Water Amazonian Lake. <i>Microbial Ecology</i> , 2006, 52, 334-344.	1.4	60
84	Influence of <i>Campylobacter</i> notatus bioturbation on oxygen profile and uptake in sediments of an Amazonian lake impacted by bauxite tailings. <i>Archiv für Hydrobiologie</i> , 2005, 162, 557-574.	1.1	6
85	Effect of <i>Campylobacter</i> notatus on NH ₄ , DOC Fluxes, O ₂ Uptake and Bacterioplankton Production in Experimental Microcosms with Sediment-Water Interface of an Amazonian Lake Impacted by Bauxite Tailings. <i>International Review of Hydrobiology</i> , 2003, 88, 167-178.	0.5	21
86	The relationship between DOC and planktonic bacteria in tropical coastal lagoons. <i>Archiv für Hydrobiologie</i> , 2002, 156, 97-119.	1.1	45
87	Nutrient limitation of bacterial production in clear water Amazonian ecosystems. <i>Hydrobiologia</i> , 2002, 489, 197-205.	1.0	53
88	Photochemical reactivity of aquatic macrophyte leachates: abiotic transformations and bacterial response. <i>Aquatic Microbial Ecology</i> , 2001, 24, 187-195.	0.9	40
89	Bioavailability and sources of DOC and DON in macrophyte stands of a tropical coastal lake. <i>Hydrobiologia</i> , 2000, 436, 241-248.	1.0	36
90	Not all viruses in nature are human enemies: a perspective on aquatic virus ecology in Brazil. <i>Acta Limnologica Brasiliensia</i> , 0, 32, .	0.4	1