

Manuel Villar-Argaiz

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

788
citations

471509

17
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526287

27
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32
all docs

32
docs citations

32
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	The interaction of phytoplankton and bacteria in a high mountain lake: Importance of the spectral composition of solar radiation. <i>Limnology and Oceanography</i> , 2002, 47, 1294-1306.	3.1	86
2	Neither with nor without you: A complex algal control on bacterioplankton in a high mountain lake. <i>Limnology and Oceanography</i> , 2004, 49, 1722-1733.	3.1	77
3	LINKING LIFE HISTORY STRATEGIES AND ONTOGENY IN CRUSTACEAN ZOOPLANKTON: IMPLICATIONS FOR HOMEOSTASIS. <i>Ecology</i> , 2002, 83, 1899-1914.	3.2	74
4	Life history bottlenecks in <i>Diaptomus clavipes</i> induced by phosphorus-limited algae. <i>Limnology and Oceanography</i> , 2002, 47, 1229-1233.	3.1	55
5	Inter- and intra-annual variability in the phytoplankton community of a high mountain lake: the influence of external (atmospheric) and internal (recycled) sources of phosphorus. <i>Freshwater Biology</i> , 2001, 46, 1017-1034.	2.4	54
6	Does Microorganism Stoichiometry Predict Microbial Food Web Interactions After a Phosphorus Pulse?. <i>Microbial Ecology</i> , 2008, 56, 350-363.	2.8	36
7	Shifts in food quality for herbivorous consumer growth: multiple golden means in the life history. <i>Ecology</i> , 2014, 95, 1272-1284.	3.2	34
8	Rising nutrient-pulse frequency and high UVR strengthen microbial interactions. <i>Scientific Reports</i> , 2017, 7, 43615.	3.3	33
9	Climate-driven shifts in algal-bacterial interaction of high-mountain lakes in two years spanning a decade. <i>Scientific Reports</i> , 2018, 8, 10278.	3.3	33
10	Maximum in the Middle: Nonlinear Response of Microbial Plankton to Ultraviolet Radiation and Phosphorus. <i>PLoS ONE</i> , 2013, 8, e60223.	2.5	29
11	Predominant Non-additive Effects of Multiple Stressors on Autotroph C:N:P Ratios Propagate in Freshwater and Marine Food Webs. <i>Frontiers in Microbiology</i> , 2018, 9, 69.	3.5	29
12	Structure changes in a planktonic food web: biotic and abiotic controls. <i>Journal of Limnology</i> , 1999, 58, 213.	1.1	28
13	Disentangling food quantity and quality effects in zooplankton response to P-enrichment and UV radiation. <i>Limnology and Oceanography</i> , 2012, 57, 235-250.	3.1	25
14	Nucleic Acid Content in Crustacean Zooplankton: Bridging Metabolic and Stoichiometric Predictions. <i>PLoS ONE</i> , 2014, 9, e86493.	2.5	25
15	UV radiation and phosphorus interact to influence the biochemical composition of phytoplankton. <i>Freshwater Biology</i> , 2009, 54, 1233-1245.	2.4	23
16	Climate-driven changes on phytoplankton-zooplankton coupling and nutrient availability in high mountain lakes of Southern Europe. <i>Freshwater Biology</i> , 2006, 51, 989-998.	2.4	22
17	Spatial and seasonal variability in the trophic role of aquatic insects: An assessment of functional feeding group applicability. <i>Freshwater Biology</i> , 2019, 64, 954-966.	2.4	19
18	Saharan dust inputs and high UVR levels jointly alter the metabolic balance of marine oligotrophic ecosystems. <i>Scientific Reports</i> , 2016, 6, 35892.	3.3	16

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19	Patterns of resource limitation of bacteria along a trophic gradient in Mediterranean inland waters. <i>FEMS Microbiology Ecology</i> , 2010, 74, 554-565.	2.7	14
20	Interplay between resistance and resilience governs the stability of a freshwater microbial food web under multiple stressors. <i>Science of the Total Environment</i> , 2019, 691, 908-918.	8.0	13
21	Near-infrared spectrometry (NIRS) for the analysis of seston carbon, nitrogen, and phosphorus from diverse sources. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 96-104.	2.0	11
22	Contrasting effect of Saharan dust and UVR on autotrophic picoplankton in nearshore versus offshore waters of Mediterranean Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2085-2103.	3.0	11
23	Housekeeping in the Hydrosphere: Microbial Cooking, Cleaning, and Control under Stress. <i>Life</i> , 2021, 11, 152.	2.4	8
24	Growth impacts of Saharan dust, mineral nutrients, and CO ₂ on a planktonic herbivore in southern Mediterranean lakes. <i>Science of the Total Environment</i> , 2018, 639, 118-128.	8.0	6
25	Body P content increases over ontogeny in hemimetabolous macroinvertebrates in a Mediterranean high mountain stream. <i>Aquatic Ecology</i> , 2020, 54, 1185.	1.5	6
26	Are the small-sized plankton communities of oligotrophic ecosystems resilient to UVR and P pulses?. <i>Freshwater Science</i> , 2017, 36, 760-773.	1.8	5
27	Cold and wet: Diatoms dominate the phytoplankton community during a year of anomalous weather in a Great Lakes estuary. <i>Journal of Great Lakes Research</i> , 2021, 47, 1305-1315.	1.9	5
28	Divergent nucleic acid allocation in juvenile insects of different metamorphosis modes. <i>Scientific Reports</i> , 2021, 11, 10313.	3.3	4
29	Microbial carbon production and transfer across trophic levels is affected by solar UVA and phosphorus. <i>Hydrobiologia</i> , 2016, 776, 221-235.	2.0	3
30	High Mountain Lakes as Remote Sensors of Global Change. , 2022, , 261-278.		3
31	Is biochemical resource quality for herbivorous consumers enhanced by the manipulation of light and nutrient regimes?. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 577-580.	0.1	0