

Katrin Zwirgmaier

List of Publications by Citations

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Version: 2024-04-25

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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.

35
papers

8,358
citations

19
h-index

36
g-index

36
ext. papers

10,258
ext. citations

8.3
avg, IF

6.35
L-index

#	Paper	IF	Citations
35	Virological assessment of hospitalized patients with COVID-2019. <i>Nature</i> , 2020 , 581, 465-469	50.4	4168
34	Transmission of 2019-nCoV Infection from an Asymptomatic Contact in Germany. <i>New England Journal of Medicine</i> , 2020 , 382, 970-971	59.2	2507
33	Global phylogeography of marine <i>Synechococcus</i> and <i>Prochlorococcus</i> reveals a distinct partitioning of lineages among oceanic biomes. <i>Environmental Microbiology</i> , 2008 , 10, 147-61	5.2	289
32	The discovery of new deep-sea hydrothermal vent communities in the southern ocean and implications for biogeography. <i>PLoS Biology</i> , 2012 , 10, e1001234	9.7	180
31	Oceanographic basis of the global surface distribution of <i>Prochlorococcus</i> ecotypes. <i>Science</i> , 2006 , 312, 918-21	33.3	161
30	Virological assessment of hospitalized cases of coronavirus disease 2019		158
29	Basin-scale distribution patterns of picocyanobacterial lineages in the Atlantic Ocean. <i>Environmental Microbiology</i> , 2007 , 9, 1278-90	5.2	121
28	Comparative genomics of marine cyanomyoviruses reveals the widespread occurrence of <i>Synechococcus</i> host genes localized to a hyperplastic region: implications for mechanisms of cyanophage evolution. <i>Environmental Microbiology</i> , 2009 , 11, 2370-87	5.2	117
27	Fluorescence in situ hybridisation (FISH)--the next generation. <i>FEMS Microbiology Letters</i> , 2005 , 246, 151-8	2.9	86
26	Analysis of photosynthetic picoeukaryote diversity at open ocean sites in the Arabian Sea using a PCR biased towards marine algal plastids. <i>Aquatic Microbial Ecology</i> , 2006 , 43, 79-93	1.1	84
25	Recognition of individual genes in a single bacterial cell by fluorescence in situ hybridization--RING-FISH. <i>Molecular Microbiology</i> , 2004 , 51, 89-96	4.1	76
24	Water-column stratification governs the community structure of subtropical marine picophytoplankton. <i>Environmental Microbiology Reports</i> , 2011 , 3, 473-82	3.7	68
23	Spatial differences in East scotia ridge hydrothermal vent food webs: influences of chemistry, microbiology and predation on trophodynamics. <i>PLoS ONE</i> , 2013 , 8, e65553	3.7	45
22	Differential grazing of two heterotrophic nanoflagellates on marine <i>Synechococcus</i> strains. <i>Environmental Microbiology</i> , 2009 , 11, 1767-76	5.2	38
21	Temporal Dynamics of the Microbial Community Composition with a Focus on Toxic Cyanobacteria and Toxin Presence during Harmful Algal Blooms in Two South German Lakes. <i>Frontiers in Microbiology</i> , 2017 , 8, 2387	5.7	35
20	Seasonal and spatial patterns of microbial diversity along a trophic gradient in the interconnected lakes of the Osterseen Lake District, Bavaria. <i>Frontiers in Microbiology</i> , 2015 , 6, 1168	5.7	35
19	MinION as part of a biomedical rapidly deployable laboratory. <i>Journal of Biotechnology</i> , 2017 , 250, 16-22	3.7	34

18	Linking regional variation of epibiotic bacterial diversity and trophic ecology in a new species of Kiwaidae (Decapoda, Anomura) from East Scotia Ridge (Antarctica) hydrothermal vents. <i>MicrobiologyOpen</i> , 2015 , 4, 136-50	3.4	22
17	Improved fluorescence in situ hybridization of individual microbial cells using polynucleotide probes: the network hypothesis. <i>Systematic and Applied Microbiology</i> , 2003 , 26, 327-37	4.2	21
16	Synechococcus diversity along a trophic gradient in the Osterseen Lake District, Bavaria. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 2053-2063	2.9	18
15	Influence of temperature, mixing, and addition of microcystin-LR on microcystin gene expression in <i>Microcystis aeruginosa</i> . <i>MicrobiologyOpen</i> , 2017 , 6, e00393	3.4	16
14	Improved method for polynucleotide probe-based cell sorting, using DNA-coated microplates. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 494-7	4.8	15
13	Spatio-temporal distribution pattern of the picocyanobacterium <i>Synechococcus</i> in lakes of different trophic states: a comparison of flow cytometry and sequencing approaches. <i>Hydrobiologia</i> , 2018 , 811, 77-92	2.4	11
12	Fauna of the Kemp Caldera and its upper bathyal hydrothermal vents (South Sandwich Arc, Antarctica). <i>Royal Society Open Science</i> , 2019 , 6, 191501	3.3	11
11	In situ functional gene analysis: recognition of individual genes by fluorescence in situ hybridization. <i>Methods in Enzymology</i> , 2005 , 397, 338-51	1.7	9
10	Biogeography of bacteriophages at four hydrothermal vent sites in the Antarctic based on g23 sequence diversity. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	6
9	Morphotypes of virus-like particles in two hydrothermal vent fields on the East Scotia Ridge, Antarctica. <i>Bacteriophage</i> , 2014 , 4, e28732		6
8	Establishment of a specimen panel for the decentralised technical evaluation of the sensitivity of 31 rapid diagnostic tests for SARS-CoV-2 antigen, Germany, September 2020 to April 2021. <i>Eurosurveillance</i> , 2021 , 26,	19.8	4
7	Influence of cyanobacteria, mixotrophic flagellates, and virioplankton size fraction on transcription of microcystin synthesis genes in the toxic cyanobacterium <i>Microcystis aeruginosa</i> . <i>MicrobiologyOpen</i> , 2018 , 7, e00538	3.4	3
6	Detection of prokaryotic cells with fluorescence in situ hybridization. <i>Methods in Molecular Biology</i> , 2010 , 659, 349-62	1.4	3
5	Rapid detection of SARS-CoV-2 by pulse-controlled amplification (PCA)		3
4	Rapid detection of SARS-CoV-2 by pulse-controlled amplification (PCA). <i>Journal of Virological Methods</i> , 2021 , 290, 114083	2.6	3
3	In vitro evaluation of the effect of mutations in primer binding sites on detection of SARS-CoV-2 by RT-qPCR. <i>Journal of Virological Methods</i> , 2022 , 299, 114352	2.6	2
2	Pulse-Controlled Amplification-A new powerful tool for on-site diagnostics under resource limited conditions. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009114	4.8	2
1	Establishment of an evaluation panel for the decentralized technical evaluation of the sensitivity of 31 rapid detection tests for SARS-CoV-2 diagnostics		1

