Katrin Zwirglmaier

List of Publications by Year
in descending order

32 papers	11,334 citations	361045 20 h-index	414034 32 g-index
36 all docs	36 docs citations	36 times ranked	25015 citing authors

#	Article	IF	Citations
1	Virological assessment of hospitalized patients with COVID-2019. Nature, 2020, 581, 465-469.	13.7	5,822
2	Transmission of 2019-nCoV Infection from an Asymptomatic Contact in Germany. New England Journal of Medicine, 2020, 382, 970-971.	13.9	3,343
3	Global phylogeography of marine Synechococcus and Prochlorococcus reveals a distinct partitioning of lineages among oceanic biomes. Environmental Microbiology, 2008, 10, 147-161.	1.8	398
4	The Discovery of New Deep-Sea Hydrothermal Vent Communities in the Southern Ocean and Implications for Biogeography. PLoS Biology, 2012, 10, e1001234.	2.6	225
5	Oceanographic Basis of the Global Surface Distribution of Prochlorococcus Ecotypes. Science, 2006, 312, 918-921.	6.0	193
6	Basin-scale distribution patterns of picocyanobacterial lineages in the Atlantic Ocean. Environmental Microbiology, 2007, 9, 1278-1290.	1.8	143
7	Comparative genomics of marine cyanomyoviruses reveals the widespread occurrence of Synechococcus host genes localized to a hyperplastic region: implications for mechanisms of cyanophage evolution. Environmental Microbiology, 2009, 11, 2370-2387.	1.8	139
8	Fluorescencein situhybridisation (FISH) Ã¢Â€Â“ the next generation. FEMS Microbiology Letters, 2005, 246, 151-158.	0.7	98
9	Analysis of photosynthetic picoeukaryote diversity at open ocean sites in the Arabian Sea using a PCR biased towards marine algal plastids. Aquatic Microbial Ecology, 2006, 43, 79-93.	0.9	94
10	Waterâ€column stratification governs the community structure of subtropical marine picophytoplankton. Environmental Microbiology Reports, 2011, 3, 473-482.	1.0	90
11	Recognition of individual genes in a single bacterial cell by fluorescence in situ hybridization - RING-FISH. Molecular Microbiology, 2003, 51, 89-96.	1.2	89
12	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. Frontiers in Microbiology, 2017, 8, 2387.	1.5	62
13	Spatial Differences in East Scotia Ridge Hydrothermal Vent Food Webs: Influences of Chemistry, Microbiology and Predation on Trophodynamics. PLoS ONE, 2013, 8, e65553.	1.1	59
14	Seasonal and spatial patterns of microbial diversity along a trophic gradient in the interconnected lakes of the Osterseen Lake District, Bavaria. Frontiers in Microbiology, 2015, 6, 1168.	1.5	48
15	MinION as part of a biomedical rapidly deployable laboratory. Journal of Biotechnology, 2017, 250, 16-22.	1.9	44
16	Differential grazing of two heterotrophic nanoflagellates on marine Synechococcus strains. Environmental Microbiology, 2009, 11, 1767-1776.	1.8	43
17	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. MicrobiologyOpen, 2015, 4, 136-150.	1.2	32
18	Influence of temperature, mixing, and addition of microcystin-LR on microcystin gene expression inMicrocystis aeruginosa. MicrobiologyOpen, 2017, 6, e00393.	1.2	27

#	Article	IF	Citations
19	Synechococcus diversity along a trophic gradient in the Osterseen Lake District, Bavaria. Microbiology (United Kingdom), 2016, 162, 2053-2063.	0.7	26
20	Improved Fluorescence in situ Hybridization of Individual Microbial Cells Using Polynucleotide Probes: The Network Hypothesis. Systematic and Applied Microbiology, 2003, 26, 327-337.	1.2	21
21	Spatio-temporal distribution pattern of the picocyanobacterium Synechococcus in lakes of different trophic states: a comparison of flow cytometry and sequencing approaches. Hydrobiologia, 2018, 811, 77-92.	1.0	20
22	Improved Method for Polynucleotide Probe-Based Cell Sorting, Using DNA-Coated Microplates. Applied and Environmental Microbiology, 2004, 70, 494-497.	1.4	18
23	Fauna of the Kemp Caldera and its upper bathyal hydrothermal vents (South Sandwich Arc,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.1	15
24	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. Eurosurveillance, 2021, 26, .	3.9	14
25	In vitro evaluation of the effect of mutations in primer binding sites on detection of SARS-CoV-2 by RT-qPCR. Journal of Virological Methods, 2022, 299, 114352.	1.0	11
26	In Situ Functional Gene Analysis: Recognition of Individual Genes by Fluorescence In Situ Hybridization. Methods in Enzymology, 2005, 397, 338-351.	0.4	10
27	Biogeography of bacteriophages at four hydrothermal vent sites in the Antarctic based on g23 sequence diversity. FEMS Microbiology Letters, 2016, 363, fnw043.	0.7	8
28	Morphotypes of virus-like particles in two hydrothermal vent fields on the East Scotia Ridge, Antarctica. Bacteriophage, 2014, 4, e28732.	1.9	6
29	Pulse-Controlled Amplificationâ€“A new powerful tool for on-site diagnostics under resource limited conditions. PLoS Neglected Tropical Diseases, 2021, 15, e0009114.	1.3	6
30	Rapid detection of SARS-CoV-2 by pulse-controlled amplification (PCA). Journal of Virological Methods, 2021, 290, 114083.	1.0	4
31	Detection of Prokaryotic Cells with Fluorescence In Situ Hybridization. Methods in Molecular Biology, 2010, 659, 349-362.	0.4	3
32	Influence of cyanobacteria, mixotrophic flagellates, and virioplankton size fraction on transcription of microcystin synthesis genes in the toxic cyanobacterium Microcystis aeruginosa. MicrobiologyOpen, 2018, 7, e00538.	1.2	3