Katrin Zwirglmaier

List of Publications by Year in Descending Order

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	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	2.6	2
34	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,	19.8	4
33	Rapid detection of SARS-CoV-2 by pulse-controlled amplification (PCA). *Journal of Virological Methods*, **2021**, 290, 114083	2.6	3
32	Pulse-Controlled Amplification-A new powerful tool for on-site diagnostics under resource limited conditions. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009114	4.8	2
31	Transmission of 2019-nCoV Infection from an Asymptomatic Contact in Germany. *New England Journal of Medicine*, **2020**, 382, 970-971	59.2	2507
30	Virological assessment of hospitalized patients with COVID-2019. *Nature*, **2020**, 581, 465-469	50.4	4168
29	Fauna of the Kemp Caldera and its upper bathyal hydrothermal vents (South Sandwich Arc, Antarctica). *Royal Society Open Science*, **2019**, 6, 191501	3.3	11
28	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	3.4	3
27	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	2.4	11
26	MinION as part of a biomedical rapidly deployable laboratory. *Journal of Biotechnology*, **2017**, 250, 16-22	3.7	34
25	Influence of temperature, mixing, and addition of microcystin-LR on microcystin gene expression in Microcystis aeruginosa. *MicrobiologyOpen*, **2017**, 6, e00393	3.4	16
24	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	5.7	35
23	Biogeography of bacteriophages at four hydrothermal vent sites in the Antarctic based on g23 sequence diversity. *FEMS Microbiology Letters*, **2016**, 363,	2.9	6
22	Synechococcus diversity along a trophic gradient in the Osterseen Lake District, Bavaria. *Microbiology (United Kingdom)*, **2016**, 162, 2053-2063	2.9	18
21	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, 136-50	3.4	22
20	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	5.7	35
19	Morphotypes of virus-like particles in two hydrothermal vent fields on the East Scotia Ridge, Antarctica. *Bacteriophage*, **2014**, 4, e28732		6

18	Spatial differences in East scotia ridge hydrothermal vent food webs: influences of chemistry, microbiology and predation on trophodynamics. *PLoS ONE*, **2013**, 8, e65553	3.7	45
17	The discovery of new deep-sea hydrothermal vent communities in the southern ocean and implications for biogeography. *PLoS Biology*, **2012**, 10, e1001234	9.7	180
16	Water-column stratification governs the community structure of subtropical marine picophytoplankton. *Environmental Microbiology Reports*, **2011**, 3, 473-82	3.7	68
15	Detection of prokaryotic cells with fluorescence in situ hybridization. *Methods in Molecular Biology*, **2010**, 659, 349-62	1.4	3
14	Differential grazing of two heterotrophic nanoflagellates on marine Synechococcus strains. *Environmental Microbiology*, **2009**, 11, 1767-76	5.2	38
13	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, 2370-87	5.2	117
12	Global phylogeography of marine Synechococcus and Prochlorococcus reveals a distinct partitioning of lineages among oceanic biomes. *Environmental Microbiology*, **2008**, 10, 147-61	5.2	289
11	Basin-scale distribution patterns of picocyanobacterial lineages in the Atlantic Ocean. *Environmental Microbiology*, **2007**, 9, 1278-90	5.2	121
10	Oceanographic basis of the global surface distribution of Prochlorococcus ecotypes. *Science*, **2006**, 312, 918-21	33.3	161
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	1.1	84
8	Fluorescence in situ hybridisation (FISH)--the next generation. *FEMS Microbiology Letters*, **2005**, 246, 151-8	2.9	86
7	In situ functional gene analysis: recognition of individual genes by fluorescence in situ hybridization. *Methods in Enzymology*, **2005**, 397, 338-51	1.7	9
6	Improved method for polynucleotide probe-based cell sorting, using DNA-coated microplates. *Applied and Environmental Microbiology*, **2004**, 70, 494-7	4.8	15
5	Recognition of individual genes in a single bacterial cell by fluorescence in situ hybridization--RING-FISH. *Molecular Microbiology*, **2004**, 51, 89-96	4.1	76
4	Improved fluorescence in situ hybridization of individual microbial cells using polynucleotide probes: the network hypothesis. *Systematic and Applied Microbiology*, **2003**, 26, 327-37	4.2	21
3	Virological assessment of hospitalized cases of coronavirus disease 2019		158
2	Rapid detection of SARS-CoV-2 by pulse-controlled amplification (PCA)		3
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