Uli KlÃ¼mper

List of Publications by Year
in descending order

23 papers	**1,630** citations	567281 **15** h-index	642732 **23** g-index
28 all docs	**28** docs citations	**28** times ranked	**1811** citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastic pollution increases gene exchange in aquatic ecosystems. Environmental Pollution, 2018, 237, 253-261.	7.5	397
2	Broad host range plasmids can invade an unexpectedly diverse fraction of a soil bacterial community. ISME Journal, 2015, 9, 934-945.	9.8	330
3	Metagenomic and metatranscriptomic analyses reveal activity and hosts of antibiotic resistance genes in activated sludge. Environment International, 2019, 129, 208-220.	10.0	163
4	Metal stressors consistently modulate bacterial conjugal plasmid uptake potential in a phylogenetically conserved manner. ISME Journal, 2017, 11, 152-165.	9.8	114
5	Evolutionary implications of microplastics for soil biota. Environmental Chemistry, 2019, 16, 3.	1.5	114
6	Selection for antimicrobial resistance is reduced when embedded in a natural microbial community. ISME Journal, 2019, 13, 2927-2937.	9.8	102
7	Environmental dimensions of antibiotic resistance: assessment of basic science gaps. FEMS Microbiology Ecology, 2018, 94, .	2.7	63
8	Longâ€term manure exposure increases soil bacterial community potential for plasmid uptake. Environmental Microbiology Reports, 2014, 6, 125-130.	2.4	59
9	Antibiotic resistance gene load and irrigation intensity determine the impact of wastewater irrigation on antimicrobial resistance in the soil microbiome. Water Research, 2021, 193, 116818.	11.3	38
10	Biotransformation of lincomycin and fluoroquinolone antibiotics by the ammonia oxidizers AOA, AOB and comammox: A comparison of removal, pathways, and mechanisms. Water Research, 2021, 196, 117003.	11.3	33
11	Novel assay to measure the plasmid mobilizing potential of mixed microbial communities. Frontiers in Microbiology, 2014, 5, 730.	3.5	27
12	From Pig Breeding Environment to Subsequently Produced Pork: Comparative Analysis of Antibiotic Resistance Genes and Bacterial Community Composition. Frontiers in Microbiology, 2019, 10, 43.	3.5	26
13	Treated wastewater irrigation promotes the spread of antibiotic resistance into subsoil pore-water. Environment International, 2021, 146, 106190.	10.0	26
14	Assessment of molecular detection of anaerobic ammonium-oxidizing (anammox) bacteria in different environmental samples using PCR primers based on 16S rRNA and functional genes. Applied Microbiology and Biotechnology, 2017, 101, 7689-7702.	3.6	21
15	Elevated levels of antibiotic resistance in groundwater during treated wastewater irrigation associated with infiltration and accumulation of antibiotic residues. Journal of Hazardous Materials, 2022, 423, 127155.	12.4	20
16	Protocol for Evaluating the Permissiveness of Bacterial Communities Toward Conjugal Plasmids by Quantification and Isolation of Transconjugants. Springer Protocols, 2014, , 275-288.	0.3	19
17	Zinc can counteract selection for ciprofloxacin resistance. FEMS Microbiology Letters, 2020, 367, .	1.8	16
18	Simultaneous estimation of parameters governing the vertical and horizontal transfer of antibiotic resistance genes. Science of the Total Environment, 2021, 798, 149174.	8.0	13

#	ARTICLE	IF	CITATIONS
19	Multiwalled Carbon Nanotubes Promote Bacterial Conjugative Plasmid Transfer. Microbiology Spectrum, 2022, , e0041022.	3.0	11
20	Fitness effects of plasmids shape the structure of bacteria–plasmid interaction networks. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
21	A converging subset of soil bacterial taxa is permissive to the IncP-1 plasmid pKJK5 across a range of soil copper contamination. FEMS Microbiology Ecology, 2020, 96, .	2.7	9
22	Biogeographical Patterns of Bacterial Communities and Their Antibiotic Resistomes in the Inland Waters of Southeast China. Microbiology Spectrum, 2022, 10, .	3.0	2
23	AMR gene removal by conjugative delivery of CRISPR-Cas9. Access Microbiology, 2019, 1, .	0.5	1