

Klaus JÃ¼rgens

List of Publications by Year in descending order

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103
papers

8,467
citations

50276

46
h-index

49909

87
g-index

106
all docs

106
docs citations

106
times ranked

9485
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogeochemical functioning of the Baltic Sea. <i>Earth System Dynamics</i> , 2022, 13, 633-685.	7.1	22
2	Abundance-Occupancy Relationships Along Taxonomic Ranks Reveal a Consistency of Niche Differentiation in Marine Bacterioplankton With Distinct Lifestyles. <i>Frontiers in Microbiology</i> , 2021, 12, 690712.	3.5	7
3	Nitrogen Flow in Diazotrophic Cyanobacterium <i>Aphanizomenon flos-aquae</i> Is Altered by Cyanophage Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 2010.	3.5	8
4	Ecosystem-wide metagenomic binning enables prediction of ecological niches from genomes. <i>Communications Biology</i> , 2020, 3, 119.	4.4	64
5	Uneven host cell growth causes lysogenic virus induction in the Baltic Sea. <i>PLoS ONE</i> , 2019, 14, e0220716.	2.5	4
6	Sampling and Processing Methods Impact Microbial Community Structure and Potential Activity in a Seasonally Anoxic Fjord: Saanich Inlet, British Columbia. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	16
7	A Salinity Threshold Separating Fungal Communities in the Baltic Sea. <i>Frontiers in Microbiology</i> , 2019, 10, 680.	3.5	47
8	Rising bubbles enhance the gelatinous nature of the air-sea interface. <i>Limnology and Oceanography</i> , 2019, 64, 2358-2372.	3.1	23
9	Effect of large magnetotactic bacteria with polyphosphate inclusions on the phosphate profile of the suboxic zone in the Black Sea. <i>ISME Journal</i> , 2019, 13, 1198-1208.	9.8	59
10	Experimental insights into the importance of ecologically dissimilar bacteria to community assembly along a salinity gradient. <i>Environmental Microbiology</i> , 2018, 20, 1170-1184.	3.8	32
11	BARM and BalticMicrobeDB, a reference metagenome and interface to meta-omic data for the Baltic Sea. <i>Scientific Data</i> , 2018, 5, 180146.	5.3	54
12	A metatranscriptomics-based assessment of small-scale mixing of sulfidic and oxic waters on redoxline prokaryotic communities. <i>Environmental Microbiology</i> , 2018, 21, 584-602.	3.8	10
13	Impact of a Major Inflow Event on the Composition and Distribution of Bacterioplankton Communities in the Baltic Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	12
14	Dispersal Modifies the Diversity and Composition of Active Bacterial Communities in Response to a Salinity Disturbance. <i>Frontiers in Microbiology</i> , 2018, 9, 2188.	3.5	45
15	Phyto- and Bacterioplankton During Early Spring Conditions in the Baltic Sea and Response to Short-Term Experimental Warming. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	7
16	Benthic Bacterial Community Composition in the Oligohaline-Marine Transition of Surface Sediments in the Baltic Sea Based on rRNA Analysis. <i>Frontiers in Microbiology</i> , 2018, 9, 236.	3.5	44
17	The pelagic food web. , 2017, , 281-332.		10
18	Success of chemolithoautotrophic SUP05 and <i>Sulfurimonas</i> GD17 cells in pelagic Baltic Sea redox zones is facilitated by their lifestyles as <i>chemolithoautotrophs</i> and <i>chemolithoautotrophs</i> . <i>Environmental Microbiology</i> , 2017, 19, 2495-2506.	3.8	26

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19	Effects of artificial thermocline deepening on sedimentation rates and microbial processes in the sediment. <i>Hydrobiologia</i> , 2017, 799, 65-81.	2.0	10
20	Metatranscriptomic data reveal the effect of different community properties on multifunctional redundancy. <i>Molecular Ecology</i> , 2017, 26, 6813-6826.	3.9	18
21	Culturing Heterotrophic Protists from the Baltic Sea: Mostly the "Usual Suspects" but a Few Novelties as Well. <i>Journal of Eukaryotic Microbiology</i> , 2017, 64, 153-163.	1.7	10
22	Composition and Transformation of Dissolved Organic Matter in the Baltic Sea. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	76
23	Tight Coupling of <i>Glaciecola</i> spp. and Diatoms during Cold-Water Phytoplankton Spring Blooms. <i>Frontiers in Microbiology</i> , 2017, 8, 27.	3.5	47
24	Mixotrophic Phytoflagellate Bacterivory Field Measurements Strongly Biased by Standard Approaches: A Case Study. <i>Frontiers in Microbiology</i> , 2017, 8, 1398.	3.5	48
25	High viral abundance as a consequence of low viral decay in the Baltic Sea redoxcline. <i>PLoS ONE</i> , 2017, 12, e0178467.	2.5	12
26	Phylogenetic Signals of Salinity and Season in Bacterial Community Composition Across the Salinity Gradient of the Baltic Sea. <i>Frontiers in Microbiology</i> , 2016, 7, 1883.	3.5	81
27	Environment not dispersal limitation drives clonal composition of Arctic <i>Daphnia</i> in a recently deglaciated area. <i>Molecular Ecology</i> , 2016, 25, 5830-5842.	3.9	17
28	Comparative analysis of the fecal bacterial community of five harbor seals (<i>Phoca vitulina</i>). <i>MicrobiologyOpen</i> , 2016, 5, 782-792.	3.0	28
29	Acidification and warming affect prominent bacteria in two seasonal phytoplankton bloom mesocosms. <i>Environmental Microbiology</i> , 2016, 18, 4579-4595.	3.8	49
30	Zonation of bacterioplankton communities along aging upwelled water in the northern Benguela upwelling. <i>Frontiers in Microbiology</i> , 2015, 6, 621.	3.5	29
31	Particle-Associated Differ from Free-Living Bacteria in Surface Waters of the Baltic Sea. <i>Frontiers in Microbiology</i> , 2015, 6, 1297.	3.5	180
32	Ice formation and growth shape bacterial community structure in Baltic Sea drift ice. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-13.	2.7	17
33	<i>Massisteria marina</i> has a sister: <i>Massisteria voersi</i> sp. nov., a rare species isolated from coastal waters of the Baltic Sea. <i>European Journal of Protistology</i> , 2015, 51, 299-310.	1.5	8
34	Significance of archaeal nitrification in hypoxic waters of the Baltic Sea. <i>ISME Journal</i> , 2015, 9, 1319-1332.	9.8	67
35	Dynamics of halocarbons in coastal surface waters during short term mesocosm experiments. <i>Environmental Chemistry</i> , 2015, 12, 515.	1.5	5
36	Uncoupling of Bacterial and Terrigenous Dissolved Organic Matter Dynamics in Decomposition Experiments. <i>PLoS ONE</i> , 2014, 9, e93945.	2.5	54

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37	Diversity and abundance of "Pelagibacterales" (SAR11) in the Baltic Sea salinity gradient. <i>Systematic and Applied Microbiology</i> , 2014, 37, 601-604.	2.8	58
38	Pyruvate utilization by a chemolithoautotrophic epsilonproteobacterial key player of pelagic Baltic Sea redoxclines. <i>FEMS Microbiology Ecology</i> , 2014, 87, 770-779.	2.7	9
39	N and O Isotope Fractionation in Nitrate during Chemolithoautotrophic Denitrification by <i>Sulfurimonas gotlandica</i> . <i>Environmental Science & Technology</i> , 2014, 48, 13229-13237.	10.0	58
40	Impact of dissolved inorganic carbon concentrations and pH on growth of the chemolithoautotrophic epsilonproteobacterium <i>Sulfurimonas gotlandica</i> GD1T. <i>MicrobiologyOpen</i> , 2014, 3, 80-88.	3.0	6
41	Distribution of the verrucomicrobial clade <i>Spartobacteria</i> along a salinity gradient in the Baltic Sea. <i>Environmental Microbiology Reports</i> , 2014, 6, 625-630.	2.4	25
42	Distribution of <i>actA</i> and <i>actR</i> rhodopsin genes in Baltic Sea salinity gradients indicates adaptation of facultative freshwater photoheterotrophs to brackish waters. <i>Environmental Microbiology</i> , 2014, 16, 586-597.	3.8	19
43	Cultivation and isolation of N ₂ -fixing bacteria from suboxic waters in the Baltic Sea. <i>FEMS Microbiology Ecology</i> , 2014, 88, 358-371.	2.7	24
44	Impact of warming on phytoplankton coupling and bacterial community composition in experimental mesocosms. <i>Environmental Microbiology</i> , 2014, 16, 718-733.	3.8	71
45	Chemoautotrophic growth of ammonia-oxidizing Thaumarchaeota enriched from a pelagic redox gradient in the Baltic Sea. <i>Frontiers in Microbiology</i> , 2014, 5, 786.	3.5	38
46	Acetate-utilizing bacteria at an oxic-anoxic interface in the Baltic Sea. <i>FEMS Microbiology Ecology</i> , 2013, 85, 251-261.	2.7	22
47	Impact of protist grazing on a key bacterial group for biogeochemical cycling in Baltic Sea pelagic oxic/anoxic interfaces. <i>Environmental Microbiology</i> , 2013, 15, 1580-1594.	3.8	33
48	Chemolithoautotrophic denitrification of epsilonproteobacteria in marine pelagic redox gradients. <i>Environmental Microbiology</i> , 2013, 15, 1505-1513.	3.8	38
49	Active nitrogen-fixing heterotrophic bacteria at and below the chemocline of the central Baltic Sea. <i>ISME Journal</i> , 2013, 7, 1413-1423.	9.8	146
50	Metagenomic <i>De Novo</i> Assembly of an Aquatic Representative of the Verrucomicrobial Class <i>Spartobacteria</i> . <i>MBio</i> , 2013, 4, e00569-12.	4.1	107
51	SUP05 Dominates the Gammaproteobacterial Sulfur Oxidizer Assemblages in Pelagic Redoxclines of the Central Baltic and Black Seas. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2767-2776.	3.1	78
52	<i>Sulfurimonas gotlandica</i> sp. nov., a chemoautotrophic and psychrotolerant epsilonproteobacterium isolated from a pelagic redoxcline, and an emended description of the genus <i>Sulfurimonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4141-4148.	1.7	88
53	Measuring unbiased metatranscriptomics in suboxic waters of the central Baltic Sea using a new <i>in situ</i> fixation system. <i>ISME Journal</i> , 2012, 6, 461-470.	9.8	80
54	Hypoxia and nitrogen processing in the Baltic Sea water column. <i>Limnology and Oceanography</i> , 2012, 57, 325-337.	3.1	48

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55	Genome and physiology of a model Epsilonproteobacterium responsible for sulfide detoxification in marine oxygen depletion zones. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 506-510.	7.1	138
56	Seasonal and Successional Influences on Bacterial Community Composition Exceed That of Protozoan Grazing in River Biofilms. Applied and Environmental Microbiology, 2012, 78, 2013-2024.	3.1	44
57	Responses of primary productivity to increased temperature and phytoplankton diversity. Journal of Sea Research, 2012, 72, 87-93.	1.6	59
58	Ecologically relevant choanoflagellates collected from hypoxic water masses of the Baltic Sea have untypical mitochondrial cristae. BMC Microbiology, 2012, 12, 271.	3.3	28
59	Unveiling Trophic Functions of Uncultured Protist Taxa by Incubation Experiments in the Brackish Baltic Sea. PLoS ONE, 2012, 7, e41970.	2.5	38
60	Temperature and nutrient stoichiometry interactively modulate organic matter cycling in a pelagic algal-bacterial community. Limnology and Oceanography, 2011, 56, 599-610.	3.1	32
61	Transitions in bacterial communities along the 2000‰ salinity gradient of the Baltic Sea. ISME Journal, 2011, 5, 1571-1579.	9.8	2,219
62	Protist diversity in suboxic and sulfidic waters of the Black Sea. Environmental Microbiology, 2011, 13, 2939-2956.	3.8	50
63	Bacterioneuston Community Structure in the Southern Baltic Sea and Its Dependence on Meteorological Conditions. Applied and Environmental Microbiology, 2011, 77, 3726-3733.	3.1	59
64	Diversity of active chemolithoautotrophic prokaryotes in the sulfidic zone of a Black Sea pelagic redoxcline as determined by rRNA-based stable isotope probing. FEMS Microbiology Ecology, 2010, 74, 32-41.	2.7	54
65	Relevance of a crenarchaeotal subcluster related to <i>Candidatus Nitrosopumilus maritimus</i> to ammonia oxidation in the suboxic zone of the central Baltic Sea. ISME Journal, 2010, 4, 1496-1508.	9.8	110
66	Changes in biogenic carbon flow in response to sea surface warming. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7067-7072.	7.1	235
67	Toxicity of violacein-producing bacteria fed to bacterivorous freshwater plankton. Limnology and Oceanography, 2009, 54, 1343-1352.	3.1	35
68	Factors Affecting Preference Responses of the Freshwater Ciliate <i>Uronema nigricans</i> to Bacterial Prey. Journal of Eukaryotic Microbiology, 2009, 56, 188-193.	1.7	8
69	¹³ C isotope analyses reveal that chemolithoautotrophic <i>Gamma</i> and <i>Epsilon</i> proteobacteria feed a microbial food web in a pelagic redoxcline of the central Baltic Sea. Environmental Microbiology, 2009, 11, 326-337.	3.8	98
70	Distribution of the uncultured protist MAST4 in the Indian Ocean, Drake Passage and Mediterranean Sea assessed by real-time quantitative PCR. Environmental Microbiology, 2009, 11, 397-408.	3.8	34
71	Effect of zooplankton-mediated trophic cascades on marine microbial food web components (bacteria, Tj ETQq1 1.0, 784314, rgBT /Oce	3.1	128
72	Widespread distribution of proteorhodopsins in freshwater and brackish ecosystems. ISME Journal, 2008, 2, 656-662.	9.8	97

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73	Structural and functional patterns of bacterial communities in response to protist predation along an experimental productivity gradient. <i>Environmental Microbiology</i> , 2008, 10, 2857-2871.	3.8	63
74	Microbial plankton abundance and heterotrophic activity across the Central Atlantic Ocean. <i>Progress in Oceanography</i> , 2008, 79, 83-94.	3.2	25
75	<i>Epsilonproteobacteria</i> Represent the Major Portion of Chemoautotrophic Bacteria in Sulfidic Waters of Pelagic Redoxclines of the Baltic and Black Seas. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7546-7551.	3.1	131
76	Abundance, Depth Distribution, and Composition of Aerobic Bacteriochlorophyll <i>a</i> -Producing Bacteria in Four Basins of the Central Baltic Sea. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4398-4404.	3.1	63
77	High abundance and dark CO ₂ fixation of chemolithoautotrophic prokaryotes in anoxic waters of the Baltic Sea. <i>Limnology and Oceanography</i> , 2008, 53, 14-22.	3.1	65
78	Quantitative Distributions of <i>Epsilonproteobacteria</i> and a <i>Sulfurimonas</i> Subgroup in Pelagic Redoxclines of the Central Baltic Sea. <i>Applied and Environmental Microbiology</i> , 2007, 73, 7155-7161.	3.1	58
79	Salinity Induced Regime Shift in Shallow Brackish Lagoons. <i>Ecosystems</i> , 2007, 10, 48-58.	3.4	110
80	Linking denitrifier community structure and prevalent biogeochemical parameters in the pelagial of the central Baltic Proper (Baltic Sea). <i>FEMS Microbiology Ecology</i> , 2006, 57, 260-271.	2.7	43
81	Direct and Indirect Effects of Protist Predation on Population Size Structure of a Bacterial Strain with High Phenotypic Plasticity. <i>Applied and Environmental Microbiology</i> , 2006, 72, 78-86.	3.1	147
82	Predation on Bacteria and Bacterial Resistance Mechanisms: Comparative Aspects Among Different Predator Groups in Aquatic Systems. , 2006, , 57-92.		7
83	Experimental demonstration of chaos in a microbial food web. <i>Nature</i> , 2005, 435, 1226-1229.	27.8	208
84	High Motility Reduces Grazing Mortality of Planktonic Bacteria. <i>Applied and Environmental Microbiology</i> , 2005, 71, 921-929.	3.1	120
85	Impact of Different In Vitro Electron Donor/Acceptor Conditions on Potential Chemolithoautotrophic Communities from Marine Pelagic Redoxclines. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6664-6672.	3.1	73
86	Impact of Violacein-Producing Bacteria on Survival and Feeding of Bacterivorous Nanoflagellates. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1593-1599.	3.1	209
87	Bloom of Filamentous Bacteria in a Mesotrophic Lake: Identity and Potential Controlling Mechanism. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6272-6281.	3.1	87
88	Daphnia versus copepod impact on summer phytoplankton: functional compensation at both trophic levels. <i>Oecologia</i> , 2003, 135, 639-647.	2.0	100
89	Cascading predation effects of Daphnia and copepods on microbial food web components. <i>Freshwater Biology</i> , 2003, 48, 2174-2193.	2.4	123
90	Phenotypic variation in <i>Pseudomonas</i> sp. CM10 determines microcolony formation and survival under protozoan grazing. <i>FEMS Microbiology Ecology</i> , 2002, 39, 57-65.	2.7	40

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91	Rapid Daphnia-mediated changes in microbial community structure: an experimental study. FEMS Microbiology Ecology, 2002, 42, 137-149.	2.7	42
92	Predation as a shaping force for the phenotypic and genotypic composition of planktonic bacteria. Antonie Van Leeuwenhoek, 2002, 81, 413-434.	1.7	345
93	Phenotypic variation in Pseudomonas sp. CM10 determines microcolony formation and survival under protozoan grazing. FEMS Microbiology Ecology, 2002, 39, 57-65.	2.7	2
94	Rapid Daphnia-mediated changes in microbial community structure: an experimental study. FEMS Microbiology Ecology, 2002, 42, 137-149.	2.7	2
95	Cascading trophic interactions in the littoral zone: an enclosure experiment in shallow Lake Stigsholm, Denmark. Fundamental and Applied Limnology, 2002, 153, 533-555.	0.7	40
96	Regulation of bacterial biomass and community structure by metazoan and protozoan predation. Limnology and Oceanography, 2001, 46, 121-134.	3.1	146
97	Confusing Selective Feeding with Differential Digestion in Bacterivorous Nanoflagellates. Journal of Eukaryotic Microbiology, 2001, 48, 425-432.	1.7	61
98	Digestion of bacterial macromolecules by a mixotrophic flagellate, Ochromonas sp., compared with that by two heterotrophic flagellates, Spumella pudica and Bodo saltans. European Journal of Protistology, 2001, 37, 155-166.	1.5	20
99	Predation-mediated shifts in size distribution of microbial biomass and activity during detritus decomposition. Oikos, 2000, 91, 29-40.	2.7	39
100	Bacteria-flagellate coupling in microcosm experiments in the Central Atlantic Ocean. Journal of Experimental Marine Biology and Ecology, 2000, 245, 127-147.	1.5	37
101	Feeding rates of macro- and microzooplankton on heterotrophic nanoflagellates. Limnology and Oceanography, 1996, 41, 1833-1839.	3.1	115
102	Seasonal dynamics of crustacean zooplankton, heterotrophic nanoflagellates and bacteria in a shallow, eutrophic lake. Freshwater Biology, 1995, 33, 27-38.	2.4	83
103	Behavioral flexibility in prey selection by bacterivorous nanoflagellates. Limnology and Oceanography, 1995, 40, 1503-1507.	3.1	67