

Elena Gorokhova

List of Publications by Year in descending order

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125
papers

6,759
citations

94433

37
h-index

69250

77
g-index

135
all docs

135
docs citations

135
times ranked

7626
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycyclic Aromatic Hydrocarbons Have Adverse Effects on Benthic Communities in the Baltic Sea: Implications for Environmental Status Assessment. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	7
2	Understanding Biofilm Formation in Ecotoxicological Assays With Natural and Anthropogenic Particulates. <i>Frontiers in Microbiology</i> , 2021, 12, 632947.	3.5	8
3	Ecotoxicological assessment of suspended solids: The importance of biofilm and particle aggregation. <i>Environmental Pollution</i> , 2021, 280, 116888.	7.5	13
4	Microbiota-Dependent and -Independent Production of γ -Dopa in the Gut of <i>Daphnia magna</i> . <i>MSystems</i> , 2021, 6, e0089221.	3.8	1
5	Antioxidant Responses in Copepods Are Driven Primarily by Food Intake, Not by Toxin-Producing Cyanobacteria in the Diet. <i>Frontiers in Physiology</i> , 2021, 12, 805646.	2.8	3
6	Linking consumer physiological status to food-web structure and prey food value in the Baltic Sea. <i>Ambio</i> , 2020, 49, 391-406.	5.5	18
7	Disparate effects of antibiotic-induced microbiome change and enhanced fitness in <i>Daphnia magna</i> . <i>PLoS ONE</i> , 2020, 15, e0214833.	2.5	26
8	Calmodulin inhibition as a mode of action of antifungal imidazole pharmaceuticals in non-target organisms. <i>Toxicology Research</i> , 2020, 9, 425-430.	2.1	2
9	Micro- and Nanoplastic Exposure Effects in Microalgae: A Meta-Analysis of Standard Growth Inhibition Tests. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	24
10	Algal Growth at Environmentally Relevant Concentrations of Suspended Solids: Implications for Microplastic Hazard Assessment. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	8
11	Nitrogen isotope composition of amino acids reveals trophic partitioning in two sympatric amphipods. <i>Ecology and Evolution</i> , 2020, 10, 10773-10784.	1.9	7
12	Mercury-methylating bacteria are associated with copepods: A proof-of-principle survey in the Baltic Sea. <i>PLoS ONE</i> , 2020, 15, e0230310.	2.5	17
13	Micro-micro interactions: How microorganisms influence the fate of marine microplastics. <i>Limnology and Oceanography Letters</i> , 2020, 5, 18-36.	3.9	188
14	DNA epigenetic marks are linked to embryo aberrations in amphipods. <i>Scientific Reports</i> , 2020, 10, 655.	3.3	16
15	Rapid Physicochemical Changes in Microplastic Induced by Biofilm Formation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 205.	4.1	92
16	How Copepods Can Eat Toxins Without Getting Sick: Gut Bacteria Help Zooplankton to Feed in Cyanobacteria Blooms. <i>Frontiers in Microbiology</i> , 2020, 11, 589816.	3.5	8
17	Title is missing!. , 2020, 15, e0230310.		0
18	Title is missing!. , 2020, 15, e0230310.		0

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19	Title is missing!. , 2020, 15, e0230310.		0
20	Title is missing!. , 2020, 15, e0230310.		0
21	Title is missing!. , 2020, 15, e0230310.		0
22	Title is missing!. , 2020, 15, e0230310.		0
23	Insufficient evidence for BMAA transfer in the pelagic and benthic food webs in the Baltic Sea. Scientific Reports, 2019, 9, 10406.	3.3	11
24	A novel method for assessing microplastic effect in suspension through mixing test and reference materials. Scientific Reports, 2019, 9, 10695.	3.3	39
25	Sea Spray Aerosol Formation: Laboratory Results on the Role of Air Entrainment, Water Temperature, and Phytoplankton Biomass. Environmental Science & Technology, 2019, 53, 13107-13116.	10.0	36
26	Microplastic Intake, Its Biotic Drivers, and Hydrophobic Organic Contaminant Levels in the Baltic Herring. Frontiers in Environmental Science, 2019, 7, .	3.3	15
27	Increase in stable isotope ratios driven by metabolic alterations in amphipods exposed to the beta-blocker propranolol. PLoS ONE, 2019, 14, e0211304.	2.5	8
28	Microplastic-mediated transport of PCBs? A depuration study with Daphnia magna. PLoS ONE, 2019, 14, e0205378.	2.5	48
29	Individual body size as a predictor of lipid storage in Baltic Sea zooplankton. Journal of Plankton Research, 2019, 41, 273-280.	1.8	9
30	Evidence for selective bacterial community structuring on microplastics. Environmental Microbiology, 2018, 20, 2796-2808.	3.8	261
31	What we know and what we think we know about microplastic effects – A critical perspective. Current Opinion in Environmental Science and Health, 2018, 1, 41-46.	4.1	102
32	Isotopic niche reflects stress-induced variability in physiological status. Royal Society Open Science, 2018, 5, 171398.	2.4	45
33	Using Compound-Specific and Bulk Stable Isotope Analysis for Trophic Positioning of Bivalves in Contaminated Baltic Sea Sediments. Environmental Science & Technology, 2018, 52, 4861-4868.	10.0	17
34	Grazing on cyanobacteria and transfer of diazotrophic nitrogen to zooplankton in the Baltic Sea. Limnology and Oceanography, 2018, 63, 672-686.	3.1	33
35	Individual growth as a non-dietary determinant of the isotopic niche metrics. Methods in Ecology and Evolution, 2018, 9, 269-277.	5.2	56
36	Multi-level toxicity assessment of engineered cellulose nanofibrils in <i>Daphnia magna</i> . Nanotoxicology, 2018, 12, 509-521.	3.0	25

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37	Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. <i>Environmental Science and Technology Letters</i> , 2017, 4, 85-90.	8.7	372
38	Shifts in rotifer life history in response to stable isotope enrichment: testing theories of isotope effects on organismal growth. <i>Royal Society Open Science</i> , 2017, 4, 160810.	2.4	11
39	Impacts of Biofilm Formation on the Fate and Potential Effects of Microplastic in the Aquatic Environment. <i>Environmental Science and Technology Letters</i> , 2017, 4, 258-267.	8.7	881
40	Kinetic ¹⁵ N-isotope effects on algal growth. <i>Scientific Reports</i> , 2017, 7, 44181.	3.3	23
41	Transferring mixtures of chemicals from sediment to a bioassay using silicone-based passive sampling and dosing. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1404-1413.	3.5	8
42	Towards ecosystem-based management: identifying operational food-web indicators for marine ecosystems. <i>ICES Journal of Marine Science</i> , 2017, 74, 2040-2052.	2.5	82
43	Metal contamination in harbours impacts life-history traits and metallothionein levels in snails. <i>PLoS ONE</i> , 2017, 12, e0180157.	2.5	17
44	Passive dosing of triclosan in multigeneration tests with copepods – stable exposure concentrations and effects at the low 1/4g/L range. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1254-1260.	4.3	19
45	The Effects of Natural and Anthropogenic Microparticles on Individual Fitness in <i>Daphnia magna</i> . <i>PLoS ONE</i> , 2016, 11, e0155063.	2.5	332
46	Seawater pH Predicted for the Year 2100 Affects the Metabolic Response to Feeding in Copepodites of the Arctic Copepod <i>Calanus glacialis</i> . <i>PLoS ONE</i> , 2016, 11, e0168735.	2.5	11
47	Growth Retardation and Altered Isotope Composition As Delayed Effects of PCB Exposure in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2016, 50, 8296-8304.	10.0	21
48	Impacts of changing climate on the non-indigenous invertebrates in the northern Baltic Sea by end of the twenty-first century. <i>Biological Invasions</i> , 2016, 18, 3015-3032.	2.4	44
49	Biomarker-enhanced assessment of reproductive disorders in <i>Monoporeia affinis</i> exposed to contaminated sediment in the Baltic Sea. <i>Ecological Indicators</i> , 2016, 63, 187-195.	6.3	16
50	Embryo aberrations in the amphipod <i>Monoporeia affinis</i> as indicators of toxic pollutants in sediments: A field evaluation. <i>Ecological Indicators</i> , 2016, 60, 18-30.	6.3	28
51	Indicator Properties of Baltic Zooplankton for Classification of Environmental Status within Marine Strategy Framework Directive. <i>PLoS ONE</i> , 2016, 11, e0158326.	2.5	41
52	Effects of $UV-C$ and Vacuum $UV-T$ O_2 Advanced Oxidation Processes on the Acute Mortality of Microalgae. <i>Photochemistry and Photobiology</i> , 2015, 91, 1142-1149.	2.5	10
53	Nitrogen fixation by cyanobacteria stimulates production in Baltic food webs. <i>Ambio</i> , 2015, 44, 413-426.	5.5	103
54	Do deposit-feeders compete? Isotopic niche analysis of an invasion in a species-poor system. <i>Scientific Reports</i> , 2015, 5, 9715.	3.3	49

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55	Stuck between a rock and a hard place: zooplankton vertical distribution and hypoxia in the Gulf of Finland, Baltic Sea. <i>Marine Biology</i> , 2015, 162, 1429-1440.	1.5	11
56	Stable Isotope Composition in <i>Daphnia</i> Is Modulated by Growth, Temperature, and Toxic Exposure: Implications for Trophic Magnification Factor Assessment. <i>Environmental Science & Technology</i> , 2015, 49, 6934-6942.	10.0	36
57	Bacteria-Mediated Effects of Antibiotics on <i>Daphnia</i> Nutrition. <i>Environmental Science & Technology</i> , 2015, 49, 5779-5787.	10.0	79
58	Screening for microplastic particles in plankton samples: How to integrate marine litter assessment into existing monitoring programs?. <i>Marine Pollution Bulletin</i> , 2015, 99, 271-275.	5.0	85
59	Growth, toxicity and oxidative stress of a cultured cyanobacterium (<i>Dolichospermum</i> sp.) under different CO_2 and pH and temperature conditions. <i>Phycological Research</i> , 2015, 63, 56-63.	1.6	34
60	In-depth analysis of an alternate-stage <i>Prymnesium polylepis</i> (Haptophyta) bloom and long-term trends in abundance of <i>Prymnesiales</i> species in the Baltic Sea. <i>Marine Ecology - Progress Series</i> , 2015, 526, 55-66.	1.9	4
61	Nitrogen Fixed By Cyanobacteria Is Utilized By Deposit-Feeders. <i>PLoS ONE</i> , 2014, 9, e104460.	2.5	26
62	Are Pharmaceuticals with Evolutionary Conserved Molecular Drug Targets More Potent to Cause Toxic Effects in Non-Target Organisms?. <i>PLoS ONE</i> , 2014, 9, e105028.	2.5	36
63	Bloom-Forming Cyanobacteria Support Copepod Reproduction and Development in the Baltic Sea. <i>PLoS ONE</i> , 2014, 9, e112692.	2.5	53
64	Shifts in food quality for herbivorous consumer growth: multiple golden means in the life history. <i>Ecology</i> , 2014, 95, 1272-1284.	3.2	34
65	The effects of short-term pH decrease on the reproductive output of the copepod <i>Acartia biflosa</i> – a laboratory study. <i>Marine and Freshwater Behaviour and Physiology</i> , 2014, 47, 173-183.	0.9	20
66	Nucleic Acid Content in Crustacean Zooplankton: Bridging Metabolic and Stoichiometric Predictions. <i>PLoS ONE</i> , 2014, 9, e86493.	2.5	25
67	Feeding of the Arctic ctenophore <i>Mertensia ovum</i> in the Baltic Sea: evidence of the use of microbial prey. <i>Journal of Plankton Research</i> , 2014, 36, 91-103.	1.8	5
68	Feeding Activity and Xenobiotics Modulate Oxidative Status in <i>Daphnia magna</i> : Implications for Ecotoxicological Testing. <i>Environmental Science & Technology</i> , 2014, 48, 12886-12892.	10.0	40
69	Sucralose Induces Biochemical Responses in <i>Daphnia magna</i> . <i>PLoS ONE</i> , 2014, 9, e92771.	2.5	29
70	Responses of Phyto- and Zooplankton Communities to <i>Prymnesium polylepis</i> (<i>Prymnesiales</i>) Bloom in the Baltic Sea. <i>PLoS ONE</i> , 2014, 9, e112985.	2.5	8
71	Light Increases Energy Transfer Efficiency in a Boreal Stream. <i>PLoS ONE</i> , 2014, 9, e113675.	2.5	6
72	Distribution and reproduction of the Arctic ctenophore <i>Mertensia ovum</i> in the Baltic Sea. <i>Marine Ecology - Progress Series</i> , 2013, 491, 111-124.	1.9	7

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73	Exposure to contaminants exacerbates oxidative stress in amphipod <i>Monoporeia affinis</i> subjected to fluctuating hypoxia. <i>Aquatic Toxicology</i> , 2013, 127, 46-53.	4.0	42
74	Projected marine climate change: effects on copepod oxidative status and reproduction. <i>Ecology and Evolution</i> , 2013, 3, 4548-4557.	1.9	73
75	Behavioral, Ecological and Genetic Differentiation in an Open Environment – A Study of a Mysid Population in the Baltic Sea. <i>PLoS ONE</i> , 2013, 8, e57210.	2.5	20
76	Trade-Offs between Predation Risk and Growth Benefits in the Copepod <i>Eurytemora affinis</i> with Contrasting Pigmentation. <i>PLoS ONE</i> , 2013, 8, e71385.	2.5	24
77	Mesozooplankton Grazing on Picocyanobacteria in the Baltic Sea as Inferred from Molecular Diet Analysis. <i>PLoS ONE</i> , 2013, 8, e79230.	2.5	67
78	Assessing diet of the non-indigenous predatory cladoceran <i>Cercopagis pengoi</i> using stable isotopes. <i>Journal of Plankton Research</i> , 2012, 34, 376-387.	1.8	13
79	Global warming and hepatotoxin production by cyanobacteria: What can we learn from experiments?. <i>Water Research</i> , 2012, 46, 1420-1429.	11.3	106
80	A comparison of TO-PRO-1 iodide and 5-CFDA-AM staining methods for assessing viability of planktonic algae with epifluorescence microscopy. <i>Journal of Microbiological Methods</i> , 2012, 89, 216-221.	1.6	27
81	Antibiotic-Induced Change of Bacterial Communities Associated with the Copepod <i>Nitocra spinipes</i> . <i>PLoS ONE</i> , 2012, 7, e33107.	2.5	29
82	Does female RNA content reflect viable egg production in copepods? A test with the Baltic copepod <i>Acartia tonsa</i> . <i>Journal of Plankton Research</i> , 2011, 33, 1460-1463.	1.8	6
83	Toxin-producing cyanobacterium <i>Nodularia spumigena</i> , potential competitors and grazers: testing mechanisms of reciprocal interactions. <i>Aquatic Microbial Ecology</i> , 2011, 62, 39-48.	1.8	31
84	Direct and indirect effects of the fungicide azoxystrobin in outdoor brackish water microcosms. <i>Ecotoxicology</i> , 2010, 19, 431-444.	2.4	55
85	Reconsidering evidence for <i>Mnemiopsis</i> invasion in European waters. <i>Journal of Plankton Research</i> , 2010, 32, 93-95.	1.8	10
86	A single-step staining method to evaluate egg viability in zooplankton. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 414-423.	2.0	7
87	Single and combined effects of hypoxia and contaminated sediments on the amphipod <i>Monoporeia affinis</i> in laboratory toxicity bioassays based on multiple biomarkers. <i>Aquatic Toxicology</i> , 2010, 99, 263-274.	4.0	36
88	Decreased astaxanthin at high feeding rates in the calanoid copepod <i>Acartia bifilosa</i> . <i>Journal of Plankton Research</i> , 2009, 31, 661-668.	1.8	15
89	Settling cyanobacterial blooms do not improve growth conditions for soft bottom meiofauna. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 368, 138-146.	1.5	34
90	Food quality effects on copepod growth and development: Implications for bioassays in ecotoxicological testing. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 351-357.	6.0	32

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91	Toxic cyanobacteria <i>Nodularia spumigena</i> in the diet of Baltic mysids: Evidence from molecular diet analysis. <i>Harmful Algae</i> , 2009, 8, 264-272.	4.8	24
92	Biochemical proxies for growth and metabolism in <i>Acartia bifilosa</i> (Copepoda, Calanoida). <i>Limnology and Oceanography: Methods</i> , 2009, 7, 785-794.	2.0	24
93	Molecular evidence for the occurrence of ctenophore <i>Mertensia ovum</i> in the northern Baltic Sea and implications for the status of the <i>Mnemiopsis leidyi</i> invasion. <i>Limnology and Oceanography</i> , 2009, 54, 2025-2033.	3.1	31
94	Relationships between RNA content and egg production rate in <i>Acartia bifilosa</i> (Copepoda, Calanoida) of different spatial and temporal origin. <i>Marine Biology</i> , 2008, 153, 483-491.	1.5	14
95	RNA:DNA ratios of Baltic Sea herring larvae and copepods in embayment and open sea habitats. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 29-35.	2.1	26
96	Role of mysid seasonal migrations in the organic matter transfer in the Curonian Lagoon, south-eastern Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 225-234.	2.1	21
97	Instantaneous salinity reductions affect the survival and feeding rates of the co-occurring copepods <i>Acartia tonsa</i> Dana and <i>A. clausi</i> Giesbrecht differently. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 362, 18-25.	1.5	55
98	Predation of the introduced cladoceran <i>Cercopagis pengoi</i> on the native copepod <i>Eurytemora affinis</i> in the northern Baltic Sea. <i>Marine Ecology - Progress Series</i> , 2008, 362, 193-200.	1.9	36
99	Embryonic development time of parthenogenically reproducing <i>Cercopagis pengoi</i> (Cladocera). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 0.7 2</i>		
100	A combined approach to understand trophic interactions between <i>Cercopagis pengoi</i> (Cladocera). <i>Tj ETQq0 0 0 rgBT /Overlock 3.1 23 10 Tf 50</i>		
101	Isotopic evidence for zooplankton as an important food source for the mysid <i>Paramysis lacustris</i> in the Curonian Lagoon, the South-Eastern Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 73, 73-80.	2.1	27
102	Nucleic acid levels in copepods: dynamic response to phytoplankton blooms in the northern Baltic proper. <i>Marine Ecology - Progress Series</i> , 2007, 349, 213-225.	1.9	9
103	Distribution and abundance of the American comb jelly (<i>Mnemiopsis leidyi</i>) – A rapid invasion to the northern Baltic Sea during 2007. <i>Aquatic Invasions</i> , 2007, 2, 445-449.	1.6	26
104	Application of growth-related sublethal endpoints in ecotoxicological assessments using a harpacticoid copepod. <i>Aquatic Toxicology</i> , 2006, 77, 433-438.	4.0	69
105	A multilevel approach to predict toxicity in copepod populations: Assessment of growth, genetics, and population structure. <i>Aquatic Toxicology</i> , 2006, 79, 41-48.	4.0	17
106	Molecular identification of the invasive cladoceran <i>Cercopagis pengoi</i> (Cladocera: Onychopoda) in stomachs of predators. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 1-6.	2.0	12
107	Salinity modulates the energy balance and reproductive success of co-occurring copepods <i>Acartia tonsa</i> and <i>A. clausi</i> in different ways. <i>Marine Ecology - Progress Series</i> , 2006, 312, 177-188.	1.9	79
108	Effects of preservation and storage of microcrustaceans in RNA later on RNA and DNA degradation. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 143-148.	2.0	88

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109	Toward a stoichiometric framework for evolutionary biology. <i>Oikos</i> , 2005, 109, 6-17.	2.7	95
110	Stable isotopes show food web changes after invasion by the predatory cladoceran <i>Cercopagis pengoi</i> in a Baltic Sea bay. <i>Oecologia</i> , 2005, 143, 251-259.	2.0	71
111	Annual variability in ciliate community structure, potential prey and predators in the open northern Baltic Sea proper. <i>Journal of Plankton Research</i> , 2004, 26, 67-80.	1.8	143
112	Predation by herring (<i>Clupea harengus</i>) and sprat (<i>Sprattus sprattus</i>) on <i>Cercopagis pengoi</i> in a western Baltic Sea bay. <i>ICES Journal of Marine Science</i> , 2004, 61, 959-965.	2.5	38
113	Relationships between nucleic acid levels and egg production rates in <i>Acartia bifilosa</i> : implications for growth assessment of copepods in situ. <i>Marine Ecology - Progress Series</i> , 2003, 262, 163-172.	1.9	51
114	Analysis of nucleic acids in <i>Daphnia</i> : development of methods and ontogenetic variations in RNA-DNA content. <i>Journal of Plankton Research</i> , 2002, 24, 511-522.	1.8	123
115	Functional and ecological significance of rDNA intergenic spacer variation in a clonal organism under divergent selection for production rate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2373-2379.	2.6	86
116	Moult cycle and its chronology in <i>Mysis mixta</i> and <i>Neomysis integer</i> (Crustacea, Mysidacea): implications for growth assessment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 278, 179-194.	1.5	17
117	Ratio-dependent functional responses - tests with the zooplanktivore <i>Mysis mixta</i> . <i>Marine Ecology - Progress Series</i> , 2001, 216, 181-189.	1.9	27
118	Elemental composition of <i>Mysis mixta</i> (Crustacea, Mysidacea) and energy costs of reproduction and embryogenesis under laboratory conditions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 246, 103-123.	1.5	22
119	Title is missing!. <i>Hydrobiologia</i> , 2000, 429, 207-218.	2.0	41
120	Biological stoichiometry from genes to ecosystems. <i>Ecology Letters</i> , 2000, 3, 540-550.	6.4	867
121	An experimental study on variations in stable carbon and nitrogen isotope fractionation during growth of <i>Mysis mixta</i> and <i>Neomysis integer</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 2203-2210.	1.4	131
122	Distribution of the non-indigenous <i>Cercopagis pengoi</i> in the coastal waters of the eastern Gulf of Finland. <i>ICES Journal of Marine Science</i> , 1999, 56, 49-57.	2.5	32
123	Exploring and modeling the growth dynamics of <i>Mysis mixta</i> . <i>Ecological Modelling</i> , 1998, 110, 45-54.	2.5	21
124	Effects of experimental conditions on the feeding rate of <i>Mysis mixta</i> (Crustacea, Mysidacea). , 1997, 355, 167-172.		25
125	Interspecific Interactions Drive Nonribosomal Peptide Production in <i>Nodularia spumigena</i> . <i>Applied and Environmental Microbiology</i> , 0, , .	3.1	0