

Sonja Oberbeckmann

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,610
citations

331259

21
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

3283
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of environmental microplastics by vibrational microspectroscopy: FTIR, Raman or both?. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8377-8391.	1.9	611
2	Microbes on a Bottle: Substrate, Season and Geography Influence Community Composition of Microbes Colonizing Marine Plastic Debris. <i>PLoS ONE</i> , 2016, 11, e0159289.	1.1	403
3	Spatial and seasonal variation in diversity and structure of microbial biofilms on marine plastics in Northern European waters. <i>FEMS Microbiology Ecology</i> , 2014, 90, 478-492.	1.3	376
4	Environmental Factors Support the Formation of Specific Bacterial Assemblages on Microplastics. <i>Frontiers in Microbiology</i> , 2017, 8, 2709.	1.5	349
5	Marine microplastic-associated biofilms – a review. <i>Environmental Chemistry</i> , 2015, 12, 551.	0.7	346
6	Marine Microbial Assemblages on Microplastics: Diversity, Adaptation, and Role in Degradation. <i>Annual Review of Marine Science</i> , 2020, 12, 209-232.	5.1	264
7	Comparison of ^{13}C -ATR-FTIR spectroscopy and py-GCMS as identification tools for microplastic particles and fibers isolated from river sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5313-5327.	1.9	189
8	Microplastics alter composition of fungal communities in aquatic ecosystems. <i>Environmental Microbiology</i> , 2017, 19, 4447-4459.	1.8	182
9	Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology. <i>Nature Microbiology</i> , 2020, 5, 126-140.	5.9	164
10	Spatial Environmental Heterogeneity Determines Young Biofilm Assemblages on Microplastics in Baltic Sea Mesocosms. <i>Frontiers in Microbiology</i> , 2019, 10, 1665.	1.5	112
11	The Eukaryotic Life on Microplastics in Brackish Ecosystems. <i>Frontiers in Microbiology</i> , 2019, 10, 538.	1.5	109
12	Seasonal Dynamics and Modeling of a <i>Vibrio</i> Community in Coastal Waters of the North Sea. <i>Microbial Ecology</i> , 2012, 63, 543-551.	1.4	95
13	Tracing microplastics in aquatic environments based on sediment analogies. <i>Scientific Reports</i> , 2019, 9, 15207.	1.6	68
14	Occurrence of <i>Vibrio parahaemolyticus</i> and <i>Vibrio alginolyticus</i> in the German Bight over a seasonal cycle. <i>Antonie Van Leeuwenhoek</i> , 2011, 100, 291-307.	0.7	54
15	<i>Vibrio</i> Colonization Is Highly Dynamic in Early Microplastic-Associated Biofilms as Well as on Field-Collected Microplastics. <i>Microorganisms</i> , 2021, 9, 76.	1.6	48
16	Polystyrene influences bacterial assemblages in <i>Arenicola marina</i> -populated aquatic environments in vitro. <i>Environmental Pollution</i> , 2016, 219, 219-227.	3.7	44
17	Genomic and proteomic profiles of biofilms on microplastics are decoupled from artificial surface properties. <i>Environmental Microbiology</i> , 2021, 23, 3099-3115.	1.8	43
18	Transport and Behavior of Microplastics Emissions From Urban Sources in the Baltic Sea. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	36

#	ARTICLE	IF	CITATIONS
19	Human impacts and their interactions in the Baltic Sea region. <i>Earth System Dynamics</i> , 2022, 13, 1-80.	2.7	25
20	Fate and stability of polyamide-associated bacterial assemblages after their passage through the digestive tract of the blue mussel <i>Mytilus edulis</i> . <i>Marine Pollution Bulletin</i> , 2017, 125, 132-138.	2.3	24
21	Paint particles are a distinct and variable substrate for marine bacteria. <i>Marine Pollution Bulletin</i> , 2019, 146, 117-124.	2.3	24
22	A polyphasic approach for the differentiation of environmental <i>Vibrio</i> isolates from temperate waters. <i>FEMS Microbiology Ecology</i> , 2011, 75, 145-162.	1.3	21
23	Cross-Hemisphere Study Reveals Geographically Ubiquitous, Plastic-Specific Bacteria Emerging from the Rare and Unexplored Biosphere. <i>MSphere</i> , 2021, 6, e0085120.	1.3	20