

# Kelly D Goodwin

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

5,025  
citations

109321

35  
h-index

138484

58  
g-index

66  
all docs

66  
docs citations

66  
times ranked

7978  
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	27.8	1,942
2	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	6.4	185
3	Laboratory production of bromoform, methylene bromide, and methyl iodide by macroalgae and distribution in nearshore southern California waters. <i>Limnology and Oceanography</i> , 1992, 37, 1652-1659.	3.1	147
4	The BEACHES Study: health effects and exposures from non-point source microbial contaminants in subtropical recreational marine waters. <i>International Journal of Epidemiology</i> , 2010, 39, 1291-1298.	1.9	123
5	Traditional and molecular analyses for fecal indicator bacteria in non-point source subtropical recreational marine waters. <i>Water Research</i> , 2010, 44, 3763-3772.	11.3	122
6	Faecal indicator bacteria enumeration in beach sand: a comparison study of extraction methods in medium to coarse sands. <i>Journal of Applied Microbiology</i> , 2009, 107, 1740-1750.	3.1	117
7	Bacterial pathogens in Hawaiian coastal streams' Associations with fecal indicators, land cover, and water quality. <i>Water Research</i> , 2011, 45, 3279-3290.	11.3	117
8	Performance of human fecal anaerobe-associated PCR-based assays in a multi-laboratory method evaluation study. <i>Water Research</i> , 2013, 47, 6897-6908.	11.3	117
9	An assessment of US microbiome research. <i>Nature Microbiology</i> , 2016, 1, 15015.	13.3	101
10	Occurrence and Persistence of Bacterial Pathogens and Indicator Organisms in Beach Sand along the California Coast. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1733-1745.	3.1	92
11	DNA Sequencing as a Tool to Monitor Marine Ecological Status. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	92
12	In situ Autonomous Acquisition and Preservation of Marine Environmental DNA Using an Autonomous Underwater Vehicle. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	88
13	Systematic review and meta-analysis of decay rates of waterborne mammalian viruses and coliphages in surface waters. <i>Water Research</i> , 2019, 164, 114898.	11.3	85
14	A multi-beach study of <i>Staphylococcus aureus</i> , MRSA, and enterococci in seawater and beach sand. <i>Water Research</i> , 2012, 46, 4195-4207.	11.3	81
15	Global Observational Needs and Resources for Marine Biodiversity. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	77
16	<i>Leisingera methylohalidivorans</i> gen. nov., sp. nov., a marine methylotroph that grows on methyl bromide.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 851-859.	1.7	72
17	Production of bromoform and dibromomethane by Giant Kelp: Factors affecting release and comparison to anthropogenic bromine sources. <i>Limnology and Oceanography</i> , 1997, 42, 1725-1734.	3.1	71
18	Shedding of <i>Staphylococcus aureus</i> and methicillin-resistant <i>Staphylococcus aureus</i> from adult and pediatric bathers in marine waters. <i>BMC Microbiology</i> , 2011, 11, 5.	3.3	68

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19	Spatial and temporal variation in indicator microbe sampling is influential in beach management decisions. <i>Water Research</i> , 2012, 46, 2237-2246.	11.3	65
20	Bacterial Oxidation of Dibromomethane and Methyl Bromide in Natural Waters and Enrichment Cultures. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4629-4636.	3.1	63
21	Electrochemical detection of harmful algae and other microbial contaminants in coastal waters using hand-held biosensors. <i>Marine Pollution Bulletin</i> , 2007, 54, 757-770.	5.0	61
22	Multi-laboratory evaluations of the performance of <i>Catellibacterium marimammalium</i> PCR assays developed to target gull fecal sources. <i>Water Research</i> , 2013, 47, 6883-6896.	11.3	58
23	Evaluation of the repeatability and reproducibility of a suite of qPCR-based microbial source tracking methods. <i>Water Research</i> , 2013, 47, 6839-6848.	11.3	56
24	Consumption of Tropospheric Levels of Methyl Bromide by C-1 Compound-Utilizing Bacteria and Comparison to Saturation Kinetics. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5437-5443.	3.1	54
25	Recommendations following a multi-laboratory comparison of microbial source tracking methods. <i>Water Research</i> , 2013, 47, 6829-6838.	11.3	53
26	Luminex detection of fecal indicators in river samples, marine recreational water, and beach sand. <i>Marine Pollution Bulletin</i> , 2007, 54, 521-536.	5.0	51
27	Evaluation of Conventional and Alternative Monitoring Methods for a Recreational Marine Beach with Nonpoint Source of Fecal Contamination. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8175-8181.	10.0	51
28	The founding charter of the Genomic Observatories Network. <i>GigaScience</i> , 2014, 3, 2.	6.4	51
29	An electrochemical RNA hybridization assay for detection of the fecal indicator bacterium <i>Escherichia coli</i> . <i>Marine Pollution Bulletin</i> , 2005, 50, 1251-1261.	5.0	48
30	Performance evaluation of canine-associated Bacteroidales assays in a multi-laboratory comparison study. <i>Water Research</i> , 2013, 47, 6909-6920.	11.3	48
31	Improving metabarcoding taxonomic assignment: A case study of fishes in a large marine ecosystem. <i>Molecular Ecology Resources</i> , 2021, 21, 2546-2564.	4.8	48
32	Marine Bacterial Degradation of Brominated Methanes. <i>Environmental Science &amp; Technology</i> , 1997, 31, 3188-3192.	10.0	46
33	Performance of CHROMagar <sup>®</sup> , <sup>®</sup> Staph aureus and CHROMagar <sup>®</sup> , <sup>®</sup> MRSA for detection of <i>Staphylococcus aureus</i> in seawater and beach sand – Comparison of culture, agglutination, and molecular analyses. <i>Water Research</i> , 2009, 43, 4802-4811.	11.3	46
34	Quantitative evaluation of enterococci and Bacteroidales released by adults and toddlers in marine water. <i>Water Research</i> , 2009, 43, 4610-4616.	11.3	44
35	Daily measures of microbes and human health at a non-point source marine beach. <i>Journal of Water and Health</i> , 2011, 9, 443-457.	2.6	43
36	Differential Impacts of Land-Based Sources of Pollution on the Microbiota of Southeast Florida Coral Reefs. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	43

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37	Human-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> from a Subtropical Recreational Marine Beach. <i>Microbial Ecology</i> , 2013, 65, 1039-1051.	2.8	32
38	Methyl chloride and methyl bromide degradation in the Southern Ocean. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	27
39	Clonally Related Methicillin-Resistant <i>Staphylococcus aureus</i> Isolated from Short-Finned Pilot Whales ( <i>Globicephala macrorhynchus</i> ), Human Volunteers, and a Bayfront Cetacean Rehabilitation Facility. <i>Microbial Ecology</i> , 2013, 65, 1024-1038.	2.8	26
40	Metagenomic and Metatranscriptomic Insights into Population Diversity of <i>Microcystis</i> Blooms: Spatial and Temporal Dynamics of <i>mcy</i> Genotypes, Including a Partial Operon That Can Be Abundant and Expressed. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0246421.	3.1	25
41	Methyl bromide and methyl chloride in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	24
42	Description of Toluene Inhibition of Methyl Bromide Biodegradation in Seawater and Isolation of a Marine Toluene Oxidizer That Degrades Methyl Bromide. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3495-3503.	3.1	22
43	Finding Crush: Environmental DNA Analysis as a Tool for Tracking the Green Sea Turtle <i>Chelonia mydas</i> in a Marine Estuary. <i>Frontiers in Marine Science</i> , 2020, 6, .	2.5	20
44	methyl bromide loss rate constants in the north Pacific Ocean. <i>Geophysical Research Letters</i> , 2001, 28, 4429-4432.	4.0	19
45	Expanding the temporal and spatial scales of environmental DNA research with autonomous sampling. <i>Environmental DNA</i> , 2022, 4, 972-984.	5.8	18
46	A DNA hybridization assay to identify toxic dinoflagellates in coastal waters: detection of <i>Karenia brevis</i> in the Rookery Bay National Estuarine Research Reserve. <i>Harmful Algae</i> , 2005, 4, 411-422.	4.8	17
47	Watershed Assessment with Beach Microbial Source Tracking and Outcomes of Resulting Gull Management. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9900-9906.	10.0	17
48	Consideration of Natural Sources in a Bacteria TMDL—Lines of Evidence, Including Beach Microbial Source Tracking. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7775-7784.	10.0	17
49	Effect of beach management policies on recreational water quality. <i>Journal of Environmental Management</i> , 2018, 212, 266-277.	7.8	17
50	Sample preparation methods for quantitative detection of DNA by molecular assays and marine biosensors. <i>Marine Pollution Bulletin</i> , 2013, 73, 47-56.	5.0	15
51	Regional Assessment of Human Fecal Contamination in Southern California Coastal Drainages. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 874.	2.6	15
52	Influence of nutrient supply on plankton microbiome biodiversity and distribution in a coastal upwelling region. <i>Nature Communications</i> , 2022, 13, 2448.	12.8	14
53	Molecular detection of harmful algal blooms (HABs) using locked nucleic acids and bead array technology. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 269-284.	2.0	13
54	Observing Life in the Sea Using Environmental DNA. <i>Oceanography</i> , 2021, 34, 102-119.	1.0	13

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55	Red Sea SAR11 and <i>Prochlorococcus</i> Single-Cell Genomes Reflect Globally Distributed Pangenomes. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	11
56	A reassessment of the soil sink for atmospheric carbon tetrachloride based upon static flux chamber measurements. <i>Journal of Atmospheric Chemistry</i> , 2014, 71, 113-123.	3.2	9
57	New USEPA water quality criteria by 2012: GOMA concerns and recommendations. <i>Journal of Water and Health</i> , 2011, 9, 718-733.	2.6	7
58	Microbial Removal of Atmospheric Carbon Tetrachloride in Bulk Aerobic Soils. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5835-5841.	3.1	6
59	Molecular Approaches for an Operational Marine Biodiversity Observation Network. , 2019, , 613-631.		5
60	Dominance of <i>Sulfurospirillum</i> in Metagenomes Associated with the Methane Ice Worm ( <i>Sirsoe</i> ) Tj ETQqO 0,0 rgBT /Oyerlock 10	3.1	2
61	Integrating Marine Omics into the Marine Biodiversity Observation Network (MBON) in Support of the UN Sustainable Development Goals (SDG) and Agenda 2030. <i>Biodiversity Information Science and Standards</i> , 0, 1, e20521.	0.0	1