Helena M Solo-Gabriele

List of Publications by Year
in descending order

135	5,808	66315	91828
papers	citations	42 h-index	69 g-index

137	137	137	3917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Per- and Polyfluoroalkyl Substances (PFAS) in Street Sweepings. Environmental Science & Technology, 2022, 56, 6069-6077.	4.6	13
2	Sampling method comparison of enterococci aerosolization during continuous bubble bursting generation. FEMS Microbiology Letters, 2022, , .	0.7	1
3	Integrating Virus Monitoring Strategies for Safe Non-Potable Water Reuse. Water (Switzerland), 2022, 14, 1187.	1.2	7
4	Municipal solid waste incineration (MSWI) ash co-disposal: Influence on per- and polyfluoroalkyl substances (PFAS) concentration in landfill leachate. Waste Management, 2022, 144, 49-56.	3.7	24
5	Relationships between SARS-CoV-2 in Wastewater and COVID-19 Clinical Cases and Hospitalizations, with and without Normalization against Indicators of Human Waste. ACS ES&T Water, 2022, 2, 1992-2003.	2.3	51
6	Comparison of Electronegative Filtration to Magnetic Bead-Based Concentration and V2G-qPCR to RT-qPCR for Quantifying Viral SARS-CoV-2 RNA from Wastewater. ACS ES&T Water, 2022, 2, 2004-2013.	2.3	15
7	Using satellite-based AOD and ground-based measurements to evaluate the impact of the DWH oil spill on coastal air quality. Marine Pollution Bulletin, 2022, 181, 113910.	2.3	5
8	Impact of wastewater infrastructure improvements on beach water fecal indicator bacteria levels in Monroe County, Florida. Science of the Total Environment, 2021, 763, 143024.	3.9	3
9	Soilâ€“skin adherence measures from hand press trials in a Gulf study of exposures. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 158-169.	1.8	6
10	A novel method to evaluate chemical concentrations in muddy and sandy coastal regions before and after oil exposures. Environmental Pollution, 2021, 269, 116102.	3.7	4
11	Evaluation of extraction workflows for quantitative analysis of per- and polyfluoroalkyl substances: A case study using soil adjacent to a landfill. Science of the Total Environment, 2021, 760, 143944.	3.9	30
12	From Waste Collection Vehicles to Landfills: Indication of Per- and Polyfluoroalkyl Substance (PFAS) Transformation. Environmental Science and Technology Letters, 2021, 8, 66-72.	3.9	39
13	Review of methods to determine hand surface area of children less than six years old: a case study. Environmental Geochemistry and Health, 2021, 43, 209-219.	1.8	3
14	Human Health and Socioeconomic Effects of the Deepwater Horizon Oil Spill in the Gulf of Mexico. Oceanography, 2021, 34, 174-191.	0.5	20
15	Quantified Activity Patterns for Young Children in Beach Environments Relevant for Exposure to Contaminants. International Journal of Environmental Research and Public Health, 2021, 18, 3274.	1.2	2
16	Towards integrated modeling of the long-term impacts of oil spills. Marine Policy, 2021, 131, 104554.	1.5	10
17	Trends in regional enterococci levels at marine beaches and correlations with environmental, global oceanic changes, community populations, and wastewater infrastructure. Science of the Total Environment, 2021, 793, 148641.	3.9	8
18	Persistence of aerially-sprayed naled in coastal sediments. Science of the Total Environment, 2021, 794, 148701.	3.9	3

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19	Lessons learned from SARS-CoV-2 measurements in wastewater. Science of the Total Environment, 2021, 798, 149177.	3.9	36
20	Estimating Health Risks to Children Associated with Recreational Play on Oil Spill-Contaminated Beaches. International Journal of Environmental Research and Public Health, 2021, 18, 126.	1.2	7
21	A Rapid, Isothermal, and Point-of-Care System for COVID-19 Diagnostics. Journal of Biomolecular Techniques, 2021, 32, 221-227.	0.8	6
22	Proliferation of microalgae and enterococci in the Lake Okeechobee, St. Lucie, and Loxahatchee watersheds. Water Research, 2020, 171, 115441.	5.3	10
23	Use of chemical concentration changes in coastal sediments to compute oil exposure dates. Environmental Pollution, 2020, 259, 113858.	3.7	7
24	Categorization of nearshore sampling data using oil slick trajectory predictions. Marine Pollution Bulletin, 2020, 150, 110577.	2.3	9
25	Assessment for oil spill chemicals: Current knowledge, data gaps, and uncertainties addressing human physical health risk. Marine Pollution Bulletin, 2020, 150, 110746.	2.3	39
26	Framework for a Community Health Observing System for the Gulf of Mexico Region: Preparing for Future Disasters. Frontiers in Public Health, 2020, 8, 578463.	1.3	13
27	Persistence of aerially applied mosquito-pesticide, Naled, in fresh and marine waters. Science of the Total Environment, 2020, 725, 138391.	3.9	2
28	Childrenâ€™s Abrasions in Recreational Beach Areas and a Review of Possible Wound Infections. International Journal of Environmental Research and Public Health, 2020, 17, 4060.	1.2	17
29	Soil, Hand, and Body Adherence Measures across Four Beach Areas: Potential Influence on Exposure to Oil Spill Chemicals. International Journal of Environmental Research and Public Health, 2020, 17, 4196.	1.2	8
30	Waste type, incineration, and aeration are associated with per- and polyfluoroalkyl levels in landfill leachates. Waste Management, 2020, 107, 191-200.	3.7	67
31	Children Exposure-Related Behavior Patterns and Risk Perception Associated with Recreational Beach Use. International Journal of Environmental Research and Public Health, 2019, 16, 2783.	1.2	14
32	Impacts of a changing earth on microbial dynamics and human health risks in the continuum between beach water and sand. Water Research, 2019, 162, 456-470.	5.3	53
33	Assessment of local and regional strategies to control bacteria levels at beaches with consideration of impacts from climate change. Marine Pollution Bulletin, 2019, 138, 249-259.	2.3	16
34	Arsenic, copper, and chromium from treated wood products in the U.S. disposal sector. Waste Management, 2019, 87, 731-740.	3.7	38
35	Fecal indicator bacteria levels at beaches in the Florida Keys after Hurricane Irma. Marine Pollution Bulletin, 2019, 138, 266-273.	2.3	19
36	Effect of beach management policies on recreational water quality. Journal of Environmental Management, 2018, 212, 266-277.	3.8	17

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37	Possible impacts of sea level rise on disease transmission and potential adaptation strategies, a review. Journal of Environmental Management, 2018, 217, 951-968.	3.8	31
38	Risk Assessment for Children Exposed to Arsenic on Baseball Fields with Contaminated Fill Material. International Journal of Environmental Research and Public Health, 2018, 15, 67.	1.2	6
39	Metals content of recycled construction and demolition wood before and after implementation of best management practices. Environmental Pollution, 2018, 242, 1198-1205.	3.7	19
40	Evaluation of methods to sample fecal indicator bacteria in foreshore sand and pore water at freshwater beaches. Water Research, 2017, 121, 204-212.	5.3	9
41	Significance of beach geomorphology on fecal indicator bacteria levels. Marine Pollution Bulletin, 2017, 121, 160-167.	2.3	14
42	A Review of the Field on Childrenâ€™s Exposure to Environmental Contaminants: A Risk Assessment Approach. International Journal of Environmental Research and Public Health, 2017, 14, 265.	1.2	66
43	Risk Assessment for Children Exposed to Beach Sands Impacted by Oil Spill Chemicals. International Journal of Environmental Research and Public Health, 2016, 13, 853.	1.2	20
44	Childrenâ€™s Exposure to Environmental Contaminants: An Editorial Reflection of Articles in the IJERPH Special Issue Entitled, â€œChildrenâ€™s Exposure to Environmental Contaminantsâ€• International Journal of Environmental Research and Public Health, 2016, 13, 1117.	1.2	14
45	Potential Impacts of PCBs on Sediment Microbiomes in a Tropical Marine Environment. Journal of Marine Science and Engineering, 2016, 4, 13.	1.2	1
46	Using probabilities of enterococci exceedance and logistic regression to evaluate long term weekly beach monitoring data. Journal of Water and Health, 2016, 14, 81-89.	1.1	13
47	Beach sand and the potential for infectious disease transmission: observations and recommendations. Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 101-120.	0.4	80
48	Oceans and human health. Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 1-3.	0.4	8
49	Wave energy level and geographic setting correlate with Florida beach water quality. Marine Pollution Bulletin, 2016, 104, 54-60.	2.3	26
50	Environmental PCBs in GuÃ¡nica Bay, Puerto Rico: implications for community health. Environmental Science and Pollution Research, 2016, 23, 2003-2013.	2.7	14
51	Recreational Environment. , 2016, , 167-192.		2
52	Children and Sand Play: Screening of Potential Harmful Microorganisms in Sandboxes, Parks, and Beaches. Current Fungal Infection Reports, 2015, 9, 155-163.	0.9	8
53	Quantification of Protozoa and Viruses from Small Water Volumes. International Journal of Environmental Research and Public Health, 2015, 12, 7118-7132.	1.2	15
54	U.S. Recreational Water Quality Criteria: A Vision for the Future. International Journal of Environmental Research and Public Health, 2015, 12, 7752-7776.	1.2	66

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55	A predictive model for microbial counts on beaches where intertidal sand is the primary source. Marine Pollution Bulletin, 2015, 94, 37-47.	2.3	19
56	Microbes in beach sands: integrating environment, ecology and public health. Reviews in Environmental Science and Biotechnology, 2014, 13, 329-368.	3.9	127
57	Effects of full-scale beach renovation on fecal indicator levels in shoreline sand and water. Water Research, 2014, 48, 579-591.	5.3	28
58	Microbial release from seeded beach sediments during wave conditions. Marine Pollution Bulletin, 2014, 79, 114-122.	2.3	26
59	Human-Associated Methicillin-Resistant Staphylococcus aureus from a Subtropical Recreational Marine Beach. Microbial Ecology, 2013, 65, 1039-1051.	1.4	32
60	An Alternative Approach to Water Regulations for Public Health Protection at Bathing Beaches. Journal of Environmental and Public Health, 2013, 2013, 1-9.	0.4	12
61	Trauma Signature Analysis of the Great East Japan Disaster: Guidance for Psychological Consequences. Disaster Medicine and Public Health Preparedness, 2013, 7, 201-214.	0.7	17
62	Mitigating flood exposure. Disaster Health, 2013, 1, 30-44.	0.6	21
63	Modeling sedimentâ€related enterococci loading, transport, and inactivation at an embayed nonpoint source beach. Water Resources Research, 2013, 49, 693-712.	1.7	45
64	Relationship between Enterococcal Levels and Sediment Biofilms at Recreational Beaches in South Florida. Applied and Environmental Microbiology, 2012, 78, 5973-5982.	1.4	59
65	Disaster Waste Characteristics and Radiation Distribution as a Result of the Great East Japan Earthquake. Environmental Science & Technology, 2012, 46, 3618-3624.	4.6	33
66	Quantitative Microbial Risk Assessment of Human Illness from Exposure to Marine Beach Sand. Environmental Science & Technology, 2012, 46, 2799-2805.	4.6	35
67	Spatial and temporal variation in indicator microbe sampling is influential in beach management decisions. Water Research, 2012, 46, 2237-2246.	5.3	65
68	A water quality modeling study of non-point sources at recreational marine beaches. Water Research, 2011, 45, 2985-2995.	5.3	65
69	Relationships between sand and water quality at recreational beaches. Water Research, 2011, 45, 6763-6769.	5.3	68
70	Indicator microbes correlate with pathogenic bacteria, yeasts and helminthes in sand at a subtropical recreational beach site. Journal of Applied Microbiology, 2011, 110, 1571-1583.	1.4	82
71	Pore water transport of enterococci out of beach sediments. Marine Pollution Bulletin, 2011, 62, 2293-2298.	2.3	39
72	Shedding of Staphylococcus aureus and methicillin-resistant Staphylococcus aureus from adult and pediatric bathers in marine waters. BMC Microbiology, 2011, 11, 5.	1.3	68

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73	Online sorting of recovered wood waste by automated XRF-technology: Part II. Sorting efficiencies. Waste Management, 2011, 31, 695-704.	3.7	22
74	Online sorting of recovered wood waste by automated XRF-technology. Part I: Detection of preservative-treated wood waste. Waste Management, 2011, 31, 688-694.	3.7	30
75	Daily measures of microbes and human health at a non-point source marine beach. Journal of Water and Health, 2011, 9, 443-457.	1.1	43
76	Beaches and Coastal Environments. , 2011, , 451-483.		0
77	Factors Controlling Surface Water Flow in a Low-gradient Subtropical Wetland. Wetlands, 2010, 30, 275-286.	0.7	13
78	Impacts of hurricanes on surface water flow within a wetland. Journal of Hydrology, 2010, 392, 164-173.	2.3	10
79	Estimation of enterococci input from bathers and animals on a recreational beach using camera images. Marine Pollution Bulletin, 2010, 60, 1270-1278.	2.3	39
80	Field-scale leaching of arsenic, chromium and copper from weathered treated wood. Environmental Pollution, 2010, 158, 1479-1486.	3.7	51
81	Metal loss from treated wood products in contact with municipal solid waste landfill leachate. Journal of Hazardous Materials, 2010, 175, 558-568.	6.5	18
82	The BEACHES Study: health effects and exposures from non-point source microbial contaminants in subtropical recreational marine waters. International Journal of Epidemiology, 2010, 39, 1291-1298.	0.9	123
83	Presence of Pathogens and Indicator Microbes at a Non-Point Source Subtropical Recreational Marine Beach. Applied and Environmental Microbiology, 2010, 76, 724-732.	1.4	159
84	Evaluation of Conventional and Alternative Monitoring Methods for a Recreational Marine Beach with Nonpoint Source of Fecal Contamination. Environmental Science & Technology, 2010, 44, 8175-8181.	4.6	51
85	Traditional and molecular analyses for fecal indicator bacteria in non-point source subtropical recreational marine waters. Water Research, 2010, 44, 3763-3772.	5.3	122
86	Transport and interaction of arsenic, chromium, and copper associated with CCA-treated wood in columns of sand and sand amended with peat. Chemosphere, 2010, 78, 989-995.	4.2	14
87	Comparison of Metals Leaching from CCA- and ACQ-Treated Wood in Simulated Construction and Demolition Debris Landfills. Journal of Environmental Engineering, ASCE, 2009, 135, 910-917.	0.7	17
88	Correlations between microbial indicators, pathogens, and environmental factors in a subtropical Estuary. Marine Pollution Bulletin, 2009, 58, 1374-1381.	2.3	60
89	Microbial load from animal feces at a recreational beach. Marine Pollution Bulletin, 2009, 58, 1649-1656.	2.3	112
90	Faecal indicator bacteria enumeration in beach sand: a comparison study of extraction methods in medium to coarse sands. Journal of Applied Microbiology, 2009, 107, 1740-1750.	1.4	117

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91	Quantitative evaluation of enterococci and Bacteroidales released by adults and toddlers in marine water. Water Research, 2009, 43, 4610-4616.	5.3	44
92	Role of soil-derived dissolved substances in arsenic transport and transformation in laboratory experiments. Science of the Total Environment, 2008, 406, 180-189.	3.9	24
93	The coastal environment and human health: microbial indicators, pathogens, sentinels and reservoirs. Environmental Health, 2008, 7, S3.	1.7	168
94	Environmental controls, oceanography and population dynamics of pathogens and harmful algal blooms: connecting sources to human exposure. Environmental Health, 2008, 7, S5.	1.7	17
95	Comment on â€œEvaluating landfill disposal of chromated copper arsenate (CCA) treated wood and potential effects on groundwater: Evidence from Floridaâ€•by Jennifer K. Saxe, Eric J. Wannamaker, Scott W. Conklin, Todd F. Shupe and Barbara D. Beck [Chemosphere 66 (3) (2007) 496â€“504]. Chemosphere, 2008, 70, 1930-1931.	4.2	3
96	Landfill Disposal of CCA-Treated Wood with Construction and Demolition (C&D) Debris: Arsenic, Chromium, and Copper Concentrations in Leachate. Environmental Science & Technology, 2008, 42, 5740-5745.	4.6	36
97	Disposal Management of Preservative-Treated Wood Products. ACS Symposium Series, 2008, , 545-562.	0.5	1
98	Quantitative evaluation of bacteria released by bathers in a marine water. Water Research, 2007, 41, 3-10.	5.3	144
99	Use of handheld X-ray fluorescence spectrometry units for identification of arsenic in treated wood. Environmental Pollution, 2007, 148, 627-633.	3.7	46
100	Impact of Surface Water Conditions on Preservative Leaching and Aquatic Toxicity from Treated Wood Products. Environmental Science & Technology, 2007, 41, 3781-3786.	4.6	19
101	Quantities of Arsenic-Treated Wood in Demolition Debris Generated by Hurricane Katrina. Environmental Science & Technology, 2007, 41, 1533-1536.	4.6	44
102	Evaluation of commercial landscaping mulch for possible contamination from CCA. Waste Management, 2007, 27, 1765-1773.	3.7	15
103	Evaluation of methods for sorting CCA-treated wood. Waste Management, 2007, 27, 1617-1625.	3.7	29
104	CCA-Treated wood disposed in landfills and life-cycle trade-offs with waste-to-energy and MSW landfill disposal. Waste Management, 2007, 27, S21-S28.	3.7	51
105	A mass balance approach for evaluating leachable arsenic and chromium from an in-service CCA-treated wood structure. Science of the Total Environment, 2007, 372, 624-635.	3.9	33
106	Hexavalent Chromium Reduction in Soils Contaminated with Chromated Copper Arsenate Preservative. Soil and Sediment Contamination, 2006, 15, 387-399.	1.1	14
107	Arsenic Leaching from Mulch Made from Recycled Construction and Demolition Wood and Impacts of Iron-Oxide Colorants. Environmental Science & Technology, 2006, 40, 5102-5107.	4.6	19
108	Release of Arsenic to the Environment from CCA-Treated Wood. 1. Leaching and Speciation during Service. Environmental Science & Technology, 2006, 40, 988-993.	4.6	94

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109	Release of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposal. Environmental Science & Technology, 2006, 40, 994-999.	4.6	94
110	Interactions of Arsenic and the Dissolved Substances Derived from Turf Soils. Environmental Science & Technology, 2006, 40, 4659-4665.	4.6	48
111	Hydrologic measurements and implications for tree island formation within Everglades National Park. Journal of Hydrology, 2006, 329, 606-619.	2.3	37
112	Implication of chromium speciation on disposal of discarded CCA-treated wood. Journal of Hazardous Materials, 2006, 128, 280-288.	6.5	26
113	Leaching of chromated copper arsenate (CCA)-treated wood in a simulated monofill and its potential impacts to landfill leachate. Journal of Hazardous Materials, 2006, 135, 21-31.	6.5	50
114	Characteristics of surface-water flows in the ridge and slough landscape of Everglades National Park: implications for particulate transport. Hydrobiologia, 2006, 569, 5-22.	1.0	39
115	A pilot study of children's exposure to CCA-treated wood from playground equipment. Science of the Total Environment, 2006, 367, 80-88.	3.9	44
116	Preservative leaching from weathered CCA-treated wood. Journal of Environmental Management, 2005, 75, 105-113.	3.8	75
117	Relative Leaching and Aquatic Toxicity of Pressure-Treated Wood Products Using Batch Leaching Tests. Environmental Science & Technology, 2005, 39, 155-163.	4.6	54
118	Children's Exposure to Arsenic from CCAâ€Treated Wooden Decks and Playground Structures. Risk Analysis, 2004, 24, 51-64.	1.5	83
119	Evaluation of XRF and LIBS technologies for on-line sorting of CCA-treated wood waste. Waste Management, 2004, 24, 413-424.	3.7	80
120	Leaching of CCA-treated wood: implications for waste disposal. Journal of Hazardous Materials, 2004, 114, 75-91.	6.5	94
121	Arsenic Speciation of Solvent-Extracted Leachate from New and Weathered CCA-Treated Wood. Environmental Science & Technology, 2004, 38, 4527-4534.	4.6	43
122	Monitoring marine recreational water quality using multiple microbial indicators in an urban tropical environment. Water Research, 2004, 38, 3119-3131.	5.3	178
123	Use of stable isotopes to quantify flows between the Everglades and urban areas in Miami-Dade County Florida. Journal of Hydrology, 2004, 293, 1-19.	2.3	39
124	Impact of chromated copper arsenate (CCA) in wood mulch. Science of the Total Environment, 2003, 309, 173-185.	3.9	52
125	Evaluation of the use of reach transmissivity to quantify exchange between groundwater and surface water. Journal of Hydrology, 2003, 274, 145-159.	2.3	17
126	Chromium, Copper, and Arsenic Concentrations in Soil Underneath CCA-Treated Wood Structures. Soil and Sediment Contamination, 2003, 12, 779-798.	1.1	23

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127	Chromium, Copper, and Arsenic Concentrations in Soil Underneath CCA-Treated Wood Structures. Soil and Sediment Contamination, 2003, 12, 779-798.	1.1	47
128	Influence of Soil on Fecal Indicator Organisms in a Tidally Influenced Subtropical Environment. Applied and Environmental Microbiology, 2002, 68, 1165-1172.	1.4	365
129	Pilot scale evaluation of sorting technologies for CCA treated wood waste. Waste Management and Research, 2002, 20, 290-301.	2.2	39
130	Characteristics of chromated copper arsenate-treated wood ash. Journal of Hazardous Materials, 2002, 89, 213-232.	6.5	75
131	Chromated Copper Arsenate-Treated Wood in Recovered Wood. Environmental Engineering Science, 2000, 17, 19-28.	0.8	50
132	Sources of Escherichia coli in a Coastal Subtropical Environment. Applied and Environmental Microbiology, 2000, 66, 230-237.	1.4	405
133	Disposal practices and management alternatives for CCA-treated wood waste. Waste Management and Research, 1999, 17, 378-389.	2.2	40
134	Disposal practices and management alternatives for CCA-treated wood waste. Waste Management and Research, 1999, 17, 378-389.	2.2	14
135	Occurrence of Cryptosporidium oocysts and Giardia cysts in water supplies of San Pedro Sula, Honduras. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 1998, 4, 398-400.	0.6	16