

Mary Jo Kirisits

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

881
citations

623699

14
h-index

501174

28
g-index

28
all docs

28
docs citations

28
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbiotic Engineering: A Novel Approach for Environmental Remediation. ACS ES&T Engineering, 2022, 2, 606-616.	7.6	1
2	Modeling in the COVID-19 Pandemic: Overcoming the Water Sector's Data Struggles to Realize the Potential of Hydraulic Models. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	1
3	Role of Electrostatics in the Heterogeneous Interaction of Two-Dimensional Engineered MoS ₂ Nanosheets and Natural Clay Colloids: Influence of pH and Natural Organic Matter. Environmental Science & Technology, 2021, 55, 919-929.	10.0	9
4	Consider How Social Distancing Policies Can Affect Drinking Water Infrastructure Performance. Journal - American Water Works Association, 2021, 113, 74-77.	0.3	4
5	Synergy between Microwave Radiation and Silver Ions or Nanoparticles for Inactivating <i>Legionella pneumophila</i> . Environmental Science and Technology Letters, 2021, 8, 581-588.	8.7	2
6	Development of a reproducible method for monitoring SARS-CoV-2 in wastewater. Science of the Total Environment, 2021, 799, 149405.	8.0	19
7	Implications of Social Distancing Policies on Drinking Water Infrastructure: An Overview of the Challenges to and Responses of U.S. Utilities during the COVID-19 Pandemic. ACS ES&T Water, 2021, 1, 888-899.	4.6	46
8	Human-Infrastructure Interactions during the COVID-19 Pandemic: Understanding Water and Electricity Demand Profiles at the Building Level. ACS ES&T Water, 2021, 1, 2327-2338.	4.6	14
9	Water quality and associated microbial ecology in selected Alaska Native communities: Challenges in off-the-grid water supplies. Science of the Total Environment, 2020, 711, 134450.	8.0	6
10	A Structural Equation Model to Decipher Relationships among Water, Sanitation, and Health in <i>Colonias</i> -Type Unincorporated Communities. Environmental Science & Technology, 2020, 54, 16017-16027.	10.0	7
11	Suspended multiwalled, acid-functionalized carbon nanotubes promote aggregation of the opportunistic pathogen <i>Pseudomonas aeruginosa</i> . PLoS ONE, 2020, 15, e0236599.	2.5	7
12	Seasonal contamination of well-water in flood-prone colonias and other unincorporated U.S. communities. Science of the Total Environment, 2020, 740, 140111.	8.0	14
13	Applying biotechnology for drinking water biofiltration: advancing science and practice. Current Opinion in Biotechnology, 2019, 57, 197-204.	6.6	36
14	An examination of the microbial community and occurrence of potential human pathogens in rainwater harvested from different roofing materials. Water Research, 2019, 159, 406-413.	11.3	33
15	Biofilter scaling procedures for organics removal: A potential alternative to piloting. Water Research, 2019, 151, 87-97.	11.3	13
16	Enzyme-Identified Phosphorus Limitation Linked to More Rapid Headloss Accumulation in Drinking Water Biofilters. Environmental Science & Technology, 2019, 53, 2027-2035.	10.0	14
17	An improved protocol for extracting extracellular polymeric substances from granular filter media. Water Research, 2018, 129, 419-427.	11.3	40
18	Effect of Treatment on the Quality of Harvested Rainwater for Residential Systems. Journal - American Water Works Association, 2018, 110, E1.	0.3	9

#	ARTICLE	IF	CITATIONS
19	Biom mineralization in Self-Healing Cement-Based Materials: Investigating the Temporal Evolution of Microbial Metabolic State and Material Porosity. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	30
20	Harvested Rainwater Quality Before and After Treatment and Distribution in Residential Systems. <i>Journal - American Water Works Association</i> , 2016, 108, .	0.3	19
21	Importance of doping, dopant distribution, and defects on electronic band structure alteration of metal oxide nanoparticles: Implications for reactive oxygen species. <i>Science of the Total Environment</i> , 2016, 568, 926-932.	8.0	56
22	Optimization of growth medium for <i>Sporosarcina pasteurii</i> in bio-based cement pastes to mitigate delay in hydration kinetics. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 567-575.	3.0	29
23	Mechanistic lessons learned from studies of planktonic bacteria with metallic nanomaterials: implications for interactions between nanomaterials and biofilm bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 677.	3.5	35
24	Coupled photocatalytic-biodegradation of 2,4,5-trichlorophenol: Effects of photolytic and photocatalytic effluent composition on bioreactor process performance, community diversity, and resistance and resilience to perturbation. <i>Water Research</i> , 2014, 50, 59-69.	11.3	42
25	Effects of Chloride and Ionic Strength on Physical Morphology, Dissolution, and Bacterial Toxicity of Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2014, 48, 761-769.	10.0	168
26	Colonies of Cliff Swallows on Highway Bridges: A Source of <i>Escherichia coli</i> in Surface Waters ¹ . <i>Journal of the American Water Resources Association</i> , 2011, 47, 1275-1284.	2.4	2
27	Influence of the Hydrodynamic Environment on Quorum Sensing in <i>Pseudomonas aeruginosa</i> Biofilms. <i>Journal of Bacteriology</i> , 2007, 189, 8357-8360.	2.2	98
28	Does <i>Pseudomonas aeruginosa</i> use intercellular signalling to build biofilm communities?. <i>Cellular Microbiology</i> , 2006, 8, 1841-1849.	2.1	127