

# Seungdae Oh

## List of Publications by Year in descending order

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41  
papers

1,587  
citations

304743

22  
h-index

302126

39  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Exposure to Benzalkonium Chloride Disinfectants Results in Change of Microbial Community Structure and Increased Antimicrobial Resistance. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9730-9738.	10.0	170
2	Metagenomic Insights into the Evolution, Function, and Complexity of the Planktonic Microbial Community of Lake Lanier, a Temperate Freshwater Ecosystem. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6000-6011.	3.1	151
3	Widely Used Benzalkonium Chloride Disinfectants Can Promote Antibiotic Resistance. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	134
4	Metagenomic characterization of biofilter microbial communities in a full-scale drinking water treatment plant. <i>Water Research</i> , 2018, 128, 278-285.	11.3	121
5	Microbial community adaptation to quaternary ammonium biocides as revealed by metagenomics. <i>Environmental Microbiology</i> , 2013, 15, 2850-2864.	3.8	82
6	Effect of ciprofloxacin on methane production and anaerobic microbial community. <i>Bioresource Technology</i> , 2018, 261, 240-248.	9.6	75
7	Microbial Community Degradation of Widely Used Quaternary Ammonium Disinfectants. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5892-5900.	3.1	60
8	Aerobic biotransformation of the antibiotic ciprofloxacin by <i>Bradyrhizobium</i> sp. isolated from activated sludge. <i>Chemosphere</i> , 2018, 211, 600-607.	8.2	57
9	Impact of drinking water treatment and distribution on the microbiome continuum: an ecological disturbance's perspective. <i>Environmental Microbiology</i> , 2017, 19, 3163-3174.	3.8	56
10	Microbial Community Enhances Biodegradation of Bisphenol A Through Selection of <i>Sphingomonadaceae</i> . <i>Microbial Ecology</i> , 2019, 77, 631-639.	2.8	55
11	Addition of biochar into activated sludge improves removal of antibiotic ciprofloxacin. <i>Journal of Water Process Engineering</i> , 2020, 33, 101019.	5.6	55
12	Metagenomic insights into the influence of salinity and cytostatic drugs on the composition and functional genes of microbial community in forward osmosis anaerobic membrane bioreactors. <i>Chemical Engineering Journal</i> , 2017, 326, 462-469.	12.7	46
13	Cometabolic biotransformation and impacts of the anti-inflammatory drug diclofenac on activated sludge microbial communities. <i>Science of the Total Environment</i> , 2019, 657, 739-745.	8.0	43
14	Genomic Diversity of <i>Escherichia</i> Isolates from Diverse Habitats. <i>PLoS ONE</i> , 2012, 7, e47005.	2.5	38
15	Enrichment and characterization of microbial consortia degrading soluble microbial products discharged from anaerobic methanogenic bioreactors. <i>Water Research</i> , 2016, 90, 395-404.	11.3	36
16	Activated sludge-degrading analgesic drug acetaminophen: Acclimation, microbial community dynamics, degradation characteristics, and bioaugmentation potential. <i>Water Research</i> , 2020, 182, 115957.	11.3	36
17	Metagenomics Reveals a Novel Virophage Population in a Tibetan Mountain Lake. <i>Microbes and Environments</i> , 2016, 31, 173-177.	1.6	35
18	Ecological impact of the antibiotic ciprofloxacin on microbial community of aerobic activated sludge. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1531-1541.	3.4	33

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19	Removal of Chloroxylene Disinfectant by an Activated Sludge Microbial Community. <i>Microbes and Environments</i> , 2019, 34, 129-135.	1.6	32
20	Impacts of antiseptic cetylpyridinium chloride on microbiome and its removal efficiency in aerobic activated sludge. <i>International Biodeterioration and Biodegradation</i> , 2019, 137, 23-29.	3.9	28
21	Detoxification and bioaugmentation potential for acetaminophen and its derivatives using <i>Ensifer</i> sp. isolated from activated sludge. <i>Chemosphere</i> , 2020, 260, 127532.	8.2	26
22	Antiseptic chlorhexidine in activated sludge: Biosorption, antimicrobial susceptibility, and alteration of community structure. <i>Journal of Environmental Management</i> , 2019, 237, 629-635.	7.8	23
23	Machine-learning insights into nitrate-reducing communities in a full-scale municipal wastewater treatment plant. <i>Journal of Environmental Management</i> , 2021, 300, 113795.	7.8	22
24	Ecological processes underpinning microbial community structure during exposure to subinhibitory level of triclosan. <i>Scientific Reports</i> , 2019, 9, 4598.	3.3	17
25	Emerging investigator series: activated sludge upon antibiotic shock loading: mechanistic description of functional stability and microbial community dynamics. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1262-1271.	2.4	14
26	Immune-modulatory genomic properties differentiate gut microbiota of infants with and without eczema. <i>PLoS ONE</i> , 2017, 12, e0184955.	2.5	12
27	Biodegradable acid based nanocomposite-CuO-ZnO-Ni(OH) <sub>2</sub> /PA: A novel material for water cleansing. <i>Journal of Cleaner Production</i> , 2022, 341, 130860.	9.3	12
28	Effects of biochar addition on the fate of ciprofloxacin and its associated antibiotic tolerance in an activated sludge microbiome. <i>Environmental Pollution</i> , 2022, 306, 119407.	7.5	12
29	Draft Genome Sequence of a Novel SAR11 Clade Species Abundant in a Tibetan Lake. <i>Genome Announcements</i> , 2014, 2, .	0.8	11
30	Impact of inorganic salts on degradation of bisphenol A and diclofenac by crude extracellular enzyme from <i>Pleurotus ostreatus</i> . <i>Biocatalysis and Biotransformation</i> , 2019, 37, 10-17.	2.0	11
31	Anaerobic membrane bioreactor performance with varying feed concentrations of ciprofloxacin. <i>Science of the Total Environment</i> , 2022, 803, 150108.	8.0	11
32	Machine learning application reveal dynamic interaction of polyphosphate-accumulating organism in full-scale wastewater treatment plant. <i>Journal of Water Process Engineering</i> , 2021, 44, 102417.	5.6	11
33	Biochar enhance functional stability of ammonia-oxidizing bioprocess against toxic chemical loading. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107289.	6.7	11
34	Biochar addition into activated sludge mitigate antibiotic toxicity on nitrification performance. <i>Journal of Water Process Engineering</i> , 2021, 44, 102355.	5.6	10
35	Evaluating the Performance of Oligonucleotide Microarrays for Bacterial Strains with Increasing Genetic Divergence from the Reference Strain. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2980-2988.	3.1	9
36	Occurrences and changes in bacterial growth-promoting nutrients in drinking water from source to tap: a review. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 2206-2222.	2.4	8

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37	Evolution and adaptation of SAR11 and <i>Cyanobium</i> in a saline Tibetan lake. <i>Environmental Microbiology Reports</i> , 2016, 8, 595-604.	2.4	7
38	Machine Learning Approach Reveals the Assembly of Activated Sludge Microbiome with Different Carbon Sources during Microcosm Startup. <i>Microorganisms</i> , 2021, 9, 1387.	3.6	7
39	Facile Synthesis of Cu-Zn Binary Oxide Coupled Cadmium Tungstate (Cu-ZnBO-Cp-CT) with Enhanced Performance of Dye Adsorption. <i>Water (Switzerland)</i> , 2021, 13, 3287.	2.7	5
40	Metagenomics Uncovers a Core SAR11 Population in Brackish Surface Waters of the Baltic Sea. <i>Water (Switzerland)</i> , 2020, 12, 501.	2.7	4
41	Contemporary Methods for Removal of Nonsteroidal Anti-inflammatory Drugs in Water Reclamations. <i>Handbook of Environmental Chemistry</i> , 2020, , 217-239.	0.4	1