

# Arjun K Venkatesan

## List of Publications by Year in descending order

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39  
papers

1,851  
citations

304743  
22  
h-index

289244  
40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does the Recent Growth of Aquaculture Create Antibiotic Resistance Threats Different from those Associated with Land Animal Production in Agriculture?. AAPS Journal, 2015, 17, 513-524.	4.4	187
2	Occurrence and estrogenic potency of eight bisphenol analogs in sewage sludge from the U.S. EPA targeted national sewage sludge survey. Journal of Hazardous Materials, 2015, 299, 733-739.	12.4	171
3	Organic Contaminants in Chinese Sewage Sludge: A Meta-Analysis of the Literature of the Past 30 Years. Environmental Science & Technology, 2016, 50, 5454-5466.	10.0	139
4	National inventory of perfluoroalkyl substances in archived U.S. biosolids from the 2001 EPA National Sewage Sludge Survey. Journal of Hazardous Materials, 2013, 252-253, 413-418.	12.4	129
5	Systems dynamic model to forecast salinity load to the Colorado River due to urbanization within the Las Vegas Valley. Science of the Total Environment, 2011, 409, 2616-2625.	8.0	105
6	Occurrence of triclosan, triclocarban, and its lesser chlorinated congeners in Minnesota freshwater sediments collected near wastewater treatment plants. Journal of Hazardous Materials, 2012, 229-230, 29-35.	12.4	91
7	Wastewater Treatment Plants as Chemical Observatories to Forecast Ecological and Human Health Risks of Manmade Chemicals. Scientific Reports, 2014, 4, 3731.	3.3	90
8	Salinity reduction and energy conservation in direct and indirect potable water reuse. Desalination, 2011, 272, 120-127.	8.2	87
9	United States National Sewage Sludge Repository at Arizona State Universityâ€”a new resource and research tool for environmental scientists, engineers, and epidemiologists. Environmental Science and Pollution Research, 2015, 22, 1577-1586.	5.3	77
10	Thermal Regeneration of Spent Granular Activated Carbon Presents an Opportunity to Break the Forever PFAS Cycle. Environmental Science & Technology, 2021, 55, 5608-5619.	10.0	68
11	Alcohol and nicotine consumption trends in three U.S. communities determined by wastewater-based epidemiology. Science of the Total Environment, 2019, 656, 174-183.	8.0	60
12	Brominated flame retardants in U.S. biosolids from the EPA national sewage sludge survey and chemical persistence in outdoor soil mesocosms. Water Research, 2014, 55, 133-142.	11.3	58
13	Long-term tracking of opioid consumption in two United States cities using wastewater-based epidemiology approach. Water Research, 2019, 161, 171-180.	11.3	52
14	National inventory of alkylphenol ethoxylate compounds in U.S. sewage sludges and chemical fate in outdoor soil mesocosms. Environmental Pollution, 2013, 174, 189-193.	7.5	46
15	Detection and Sizing of Ti-Containing Particles in Recreational Waters Using Single Particle ICP-MS. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 120-126.	2.7	44
16	Contribution of Polybrominated Dibenzo- <i>p</i> -dioxins and Dibenzofurans (PBDD/Fs) to the Toxic Equivalency of Dioxin-like Compounds in Archived Biosolids from the U.S. EPAâ€™s 2001 National Sewage Sludge Survey. Environmental Science & Technology, 2014, 48, 10843-10849.	10.0	40
17	Impact of groundwater quality and associated byproduct formation during UV/hydrogen peroxide treatment of 1,4-dioxane. Water Research, 2020, 173, 115534.	11.3	35
18	Detection and Occurrence of <i>N</i> -Nitrosamines in Archived Biosolids from the Targeted National Sewage Sludge Survey of the U.S. Environmental Protection Agency. Environmental Science & Technology, 2014, 48, 5085-5092.	10.0	33

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19	Mass Balance Model for Sustainable Phosphorus Recovery in a US Wastewater Treatment Plant. <i>Journal of Environmental Quality</i> , 2016, 45, 84-89.	2.0	31
20	Bioregeneration of perchlorate-laden gel-type anion-exchange resin in a fluidized bed reactor. <i>Journal of Hazardous Materials</i> , 2010, 177, 730-737.	12.4	28
21	Using single-particle ICP-MS for monitoring metal-containing particles in tap water. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1923-1932.	2.4	26
22	Occurrence of Bisphenol A Diglycidyl Ethers (BADGEs) and Novolac Glycidyl Ethers (NOGEs) in Archived Biosolids from the U.S. EPA's Targeted National Sewage Sludge Survey. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6538-6544.	10.0	24
23	Loss and in situ production of perfluoroalkyl chemicals in outdoor biosolids-soil mesocosms. <i>Environmental Research</i> , 2014, 132, 321-327.	7.5	23
24	Energy Evaluation of Electron Beam Treatment of Perfluoroalkyl Substances in Water: A Critical Review. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 827-841.	7.6	21
25	U.S. nationwide reconnaissance of ten infrequently monitored antibiotics in municipal biosolids. <i>Science of the Total Environment</i> , 2018, 643, 460-467.	8.0	19
26	Removal of 1,4-dioxane during on-site wastewater treatment using nitrogen removing biofilters. <i>Science of the Total Environment</i> , 2021, 771, 144806.	8.0	19
27	Occurrence and removal of PPCPs from on-site wastewater using nitrogen removing biofilters. <i>Water Research</i> , 2021, 206, 117743.	11.3	19
28	Removing 80%-90% of nitrogen and organic contaminants with three distinct passive, lignocellulose-based on-site septic systems receiving municipal and residential wastewater. <i>Ecological Engineering</i> , 2021, 161, 106157.	3.6	18
29	Occurrence of N-nitrosamines in U.S. freshwater sediments near wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2017, 323, 109-115.	12.4	17
30	Size exclusion chromatography with online ICP-MS enables molecular weight fractionation of dissolved phosphorus species in water samples. <i>Water Research</i> , 2018, 133, 264-271.	11.3	16
31	Comparative meta-analysis of organic contaminants in sewage sludge from the United States and China. <i>Science of the Total Environment</i> , 2022, 821, 153423.	8.0	16
32	Investigation of Factors Affecting the Bioregeneration Process for Perchlorate-Laden Gel-Type Anion-Exchange Resin. <i>Bioremediation Journal</i> , 2011, 15, 1-11.	2.0	15
33	Effective Strategies for Monitoring and Regulating Chemical Mixtures and Contaminants Sharing Pathways of Toxicity. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 10549-10557.	2.6	8
34	Modeling the pH-mediated extraction of ionizable organic contaminants to improve the quality of municipal sewage sludge destined for land application. <i>Science of the Total Environment</i> , 2016, 550, 736-741.	8.0	8
35	Functionalized bioadsorbents for removal of perfluoroalkyl substances: A perspective. <i>AWWA Water Science</i> , 2021, 3, .	2.1	8
36	Assessing the Potential To Monitor Plant-Based Diet Trends in Communities Using a Wastewater-Based Epidemiology Approach. <i>ACS Symposium Series</i> , 2019, , 187-198.	0.5	5

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37	Bromide and Other Halide Ion Removal From Drinking Waters Using Silver-Amended Coagulation. Journal - American Water Works Association, 2018, 110, 13-24.	0.3	4
38	Using national sewage sludge data for chemical ranking and prioritization. Current Opinion in Environmental Science and Health, 2020, 14, 10-15.	4.1	4
39	Effect of residual H <sub>2</sub> O <sub>2</sub> on the removal of advanced oxidation byproducts by two types of granular activated carbon. Journal of Environmental Chemical Engineering, 2021, 9, 106838.	6.7	4