# Paige J Novak

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 85 papers | 2,149 citations | 201385 27 h-index | 233125 45 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 3100 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unraveling encapsulated growth of Nitrosomonas europaea in alginate: An experimental and modeling study. Water Research, 2022, 208, 117857. | 5.3 | 2 |
| 2 | Encapsulation technology for decentralized brewery wastewater treatment: A small pilot experiment. Bioresource Technology, 2022, 347, 126435. | 4.8 | 4 |
| 3 | Contaminants of Emerging Concern in the Lower Volta River, Ghana, West Africa: The Agriculture, Aquaculture, and Urban Development Nexus. Environmental Toxicology and Chemistry, 2022, 41, 369-381. | 2.2 | 9 |
| 4 | The potential for bacteria from carbon-limited deep terrestrial environments to participate in chlorine cycling. FEMS Microbiology Ecology, 2022, 98, . | 1.3 | 3 |
| 5 | Best Papers from 2021 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Sciences: Processes and Impacts, 2022, 24, 848-850. | 1.7 | 0 |
| 6 | Encapsulation technology to improve biological resource recovery: recent advancements and research opportunities. Environmental Science: Water Research and Technology, 2021, 7, 16-23. | 1.2 | 6 |
| 7 | Best Papers from 2020 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Nano, 2021, 8, 2411-2413. | 2.2 | 0 |
| 8 | Best papers from 2020 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Sciences: Processes and Impacts, 2021, 23, 1252-1254. | 1.7 | 0 |
| 9 | Porous Polyethylene-Supported Zeolite Carriers for Improved Wastewater Deammonification. ACS ES&T Engineering, 2021, 1, 1104-1112. | 3.7 | 4 |
| 10 | Enhanced Nitrogen Removal and Anammox Bacteria Retention with Zeolite-Coated Membrane in Simulated Mainstream Wastewater. Environmental Science and Technology Letters, 2021, 8, 468-473. | 3.9 | 11 |
| 11 | Dissolved oxygen concentrations affect the function but not the relative abundance of nitrifying bacterial populations in full-scale municipal wastewater treatment bioreactors during cold weather. Science of the Total Environment, 2021, 781, 146719. | 3.9 | 26 |
| 12 | Encapsulating microorganisms to enhance biological nitrogen removal in wastewater: recent advancements and future opportunities. Environmental Science: Water Research and Technology, 2021, 7, 1402-1416. | 1.2 | 10 |
| 13 | Best Papers from 2020 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Water Research and Technology, 2021, 7, 1542-1544. | 1.2 | 0 |
| 14 | Offering authors a choice: introduction of optional double-blind peer review. Environmental Sciences: Processes and Impacts, 2020, 22, 10-11. | 1.7 | 0 |
| 15 | Offering authors a choice: introduction of optional double-blind peer review. Environmental Science: Nano, 2020, 7, 11-12. | 2.2 | 2 |
| 16 | Offering authors a choice: introduction of optional double-blind peer review. Environmental Science: Water Research and Technology, 2020, 6, 10-11. | 1.2 | 0 |
| 17 | Diverse dechlorinators and dechlorination genes enriched through amendment of chlorinated natural organic matter fractions. Environmental Sciences: Processes and Impacts, 2020, 22, 595-605. | 1.7 | 0 |
| 18 | 2019 Best Papers published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Nano, 2020, 7, 1630-1632. | 2.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 2019 Best Papers published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Water Research and Technology, 2020, 6, 1210-1212. | 1.2 | 0 |
| 20 | 2019 Best Papers published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Sciences: Processes and Impacts, 2020, 22, 860-862. | 1.7 | 1 |
| 21 | Effects of encapsulation on the chemical inhibition of anaerobic hydrogen- and methane-producing microbial cells. Bioresource Technology Reports, 2020, 11, 100451. | 1.5 | 8 |
| 22 | Modeling alginate encapsulation system for biological hydrogen production. Biotechnology and Bioengineering, 2019, 116, 3189-3199. | 1.7 | 4 |
| 23 | Aqueous film forming foam and associated perfluoroalkyl substances inhibit methane production and Co-contaminant degradation in an anaerobic microbial community. Environmental Sciences: Processes and Impacts, 2019, 21, 1915-1925. | 1.7 | 11 |
| 24 | Presence, Diversity, and Enrichment of Respiratory Reductive Dehalogenase and Non-respiratory Hydrolytic and Oxidative Dehalogenase Genes in Terrestrial Environments. Frontiers in Microbiology, 2019, 10, 1258. | 1.5 | 20 |
| 25 | A journal with real impact: responsive, reliable, and thought-provoking. Environmental Science: Water Research and Technology, 2019, 5, 9-10. | 1.2 | 0 |
| 26 | Best Papers from 2018 in the Environmental Science family of journals: great science with a global reach. Environmental Sciences: Processes and Impacts, 2019, 21, 603-604. | 1.7 | 0 |
| 27 | Photodegradation of pharmaceutical compounds in partially nitritated wastewater during UV irradiation. Environmental Science: Water Research and Technology, 2019, 5, 897-909. | 1.2 | 21 |
| 28 | Best Papers from 2018 in the Environmental Science family of journals: great science with a global reach. Environmental Science: Water Research and Technology, 2019, 5, 629-630. | 1.2 | 0 |
| 29 | Best Papers from 2018 in the Environmental Science family of journals: great science with a global reach. Environmental Science: Nano, 2019, 6, 1004-1005. | 2.2 | 0 |
| 30 | Perfluoroalkyl Substances Increase the Membrane Permeability and Quorum Sensing Response in Aliivibrio fischeri. Environmental Science and Technology Letters, 2018, 5, 26-31. | 3.9 | 34 |
| 31 | Anaerobic technology. Environmental Science: Water Research and Technology, 2018, 4, 1720-1720. | 1.2 | 0 |
| 32 | Partitioning and Accumulation of Perfluoroalkyl Substances in Model Lipid Bilayers and Bacteria. Environmental Science & Technology, 2018, 52, 10433-10440. | 4.6 | 74 |
| 33 | Achieving high-rate hydrogen recovery from wastewater using customizable alginate polymer gel matrices encapsulating biomass. Environmental Science: Water Research and Technology, 2018, 4, 1867-1876. | 1.2 | 11 |
| 34 | Rapid Enrichment of Dehalococcoides-Like Bacteria by Partial Hydrophobic Separation. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 2 |
| 35 | Novel Microbial Assemblages Dominate Weathered Sulfide-Bearing Rock from Copper-Nickel Deposits in the Duluth Complex, Minnesota, USA. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 32 |
| 36 | Estrone biodegradation in laboratory-scale systems designed for total nitrogen removal from wastewater. Environmental Science: Water Research and Technology, 2017, 3, 1051-1060. | 1.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Considerations for reducing food system energy demand while scaling up urban agriculture. Environmental Research Letters, 2017, 12, 125004. | 2.2 | 63 |
| 38 | Performance of a composite bioactive membrane for H<sub>2</sub>production and capture from high strength wastewater. Environmental Science: Water Research and Technology, 2016, 2, 848-857. | 1.2 | 8 |
| 39 | Contaminants of Emerging Concern: Mass Balance and Comparison of Wastewater Effluent and Upstream Sources in a Mixed-Use Watershed. Environmental Science & Technology, 2016, 50, 36-45. | 4.6 | 67 |
| 40 | Sources and transport of contaminants of emerging concern: A two-year study of occurrence and spatiotemporal variation in a mixed land use watershed. Science of the Total Environment, 2016, 551-552, 605-613. | 3.9 | 134 |
| 41 | The Effect of Perfluorooctane Sulfonate, Exposure Time, and Chemical Mixtures on Methanogenic Community Structure and Function. Microbiology Insights, 2015, 8s2, MBI.S31345. | 0.9 | 3 |
| 42 | Innovation Promoted by Regulatory Flexibility. Environmental Science & Technology, 2015, 49, 13908-13909. | 4.6 | 5 |
| 43 | Effects of estrone and organic carbon exposure on the transformation of estrone. Environmental Science: Water Research and Technology, 2015, 1, 457-464. | 1.2 | 2 |
| 44 | Estrone Degradation: Does Organic Matter (Quality), Matter?. Environmental Science & Technology, 2015, 49, 498-503. | 4.6 | 26 |
| 45 | Sedimentâ€“water distribution of contaminants of emerging concern in a mixed use watershed. Science of the Total Environment, 2015, 505, 896-904. | 3.9 | 74 |
| 46 | Performance of a composite bioactive membrane for enhanced BioH2 production and capture from wastewater. Proceedings of the Water Environment Federation, 2015, 2015, 4412-4412. | 0.0 | 0 |
| 47 | Phytoestrogens in the environment, II: Microbiological degradation of phytoestrogens and the response of fathead minnows to degradate exposure. Environmental Toxicology and Chemistry, 2014, 33, 560-566. | 2.2 | 6 |
| 48 | Phytoestrogens in the environment, I: Occurrence and exposure effects on fathead minnows. Environmental Toxicology and Chemistry, 2014, 33, 553-559. | 2.2 | 38 |
| 49 | Identifying sources of emerging organic contaminants in a mixed use watershed using principal components analysis. Environmental Sciences: Processes and Impacts, 2014, 16, 2390-2399. | 1.7 | 31 |
| 50 | Novel Firmicutes Group Implicated in the Dechlorination of Two Chlorinated Xanthones, Analogues of Natural Organochlorines. Applied and Environmental Microbiology, 2014, 80, 1210-1218. | 1.4 | 22 |
| 51 | The Impacts of Triclosan on Anaerobic Community Structures, Function, and Antimicrobial Resistance. Environmental Science & Technology, 2014, 48, 7393-7400. | 4.6 | 67 |
| 52 | Removal of chlorinated organic compounds during wastewater treatment: achievements and limits. Applied Microbiology and Biotechnology, 2014, 98, 6233-6242. | 1.7 | 31 |
| 53 | Impact of Organic Carbon on the Biodegradation of Estrone in Mixed Culture Systems. Environmental Science & Technology, 2013, 47, 12359-12365. | 4.6 | 38 |
| 54 | Root Exudate Enhanced Contaminant Desorption: An Abiotic Contribution to the Rhizosphere Effect. Environmental Science & Technology, 2013, 47, 11545-11553. | 4.6 | 124 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Abundance and diversity of organohalide-respiring bacteria in lake sediments across a geographical sulfur gradient. FEMS Microbiology Ecology, 2013, 84, 248-258. | 1.3 | 28 |
| 56 | Natural Niche for Organohalide-Respiring Chloroflexi. Applied and Environmental Microbiology, 2012, 78, 393-401. | 1.4 | 172 |
| 57 | Structure and Function of Assemblages of Bacteria and Archaea in Model Anaerobic Aquifer Columns: Can Functional Instability Be Practically Beneficial?. Environmental Science & Technology, 2012, 46, 10137-10144. | 4.6 | 3 |
| 58 | The role of biodegradation in limiting the accumulation of petroleum hydrocarbons in raingarden soils. Water Research, 2012, 46, 6753-6762. | 5.3 | 65 |
| 59 | Fate of Naphthalene in Laboratory-Scale Bioretention Cells: Implications for Sustainable Stormwater Management. Environmental Science & Technology, 2012, 46, 995-1002. | 4.6 | 58 |
| 60 | The effect of thermal hydrolysis pretreatment on the anaerobic degradation of nonylphenol and short-chain nonylphenol ethoxylates in digested biosolids. Water Research, 2012, 46, 2937-2946. | 5.3 | 32 |
| 61 | On the Need for a National (U.S.) Research Program to Elucidate the Potential Risks to Human Health and the Environment Posed by Contaminants of Emerging Concern. Environmental Science & Technology, 2011, 45, 3829-3830. | 4.6 | 28 |
| 62 | Effects of Ethanol-Based Fuel Contamination: Microbial Community Changes, Production of Regulated Compounds, and Methane Generation. Environmental Science & Technology, 2010, 44, 4525-4530. | 4.6 | 33 |
| 63 | Correlations between in situ sensor measurements and trace organic pollutants in urban streams. Journal of Environmental Monitoring, 2010, 12, 225-233. | 2.1 | 18 |
| 64 | A comparison of total maximum daily load (TMDL) calculations in urban streams using near real-time and periodic sampling data. Journal of Environmental Monitoring, 2010, 12, 234-241. | 2.1 | 19 |
| 65 | Stimulating In Situ Hydrogenotrophic Denitrification with Membrane-Delivered Hydrogen under Passive and Pumped Groundwater Conditions. Journal of Environmental Engineering, ASCE, 2009, 135, 666-676. | 0.7 | 14 |
| 66 | Quantification of Phytoestrogens in Industrial Waste Streams. Environmental Toxicology and Chemistry, 2009, 28, 2318-2323. | 2.2 | 35 |
| 67 | Geomembranes Containing Powdered Activated Carbon Have the Potential to Improve Containment of Chlorinated Aromatic Contaminants. Environmental Science & Technology, 2009, 43, 8916-8922. | 4.6 | 2 |
| 68 | Enhancing polychlorinated biphenyl dechlorination in fresh water sediment with biostimulation and bioaugmentation. Chemosphere, 2008, 71, 176-182. | 4.2 | 31 |
| 69 | Discovering Flow Anomalies: A SWEET Approach. , 2008, , . | | 11 |
| 70 | Stimulating hydrogenotrophic denitrification in simulated groundwater containing high dissolved oxygen and nitrate concentrations. Water Research, 2007, 41, 1869-1876. | 5.3 | 65 |
| 71 | Biofilm Cohesiveness Measurement Using a Novel Atomic Force Microscopy Methodology. Applied and Environmental Microbiology, 2007, 73, 2897-2904. | 1.4 | 119 |
| 72 | Effect of Protein, Polysaccharide, and Oxygen Concentration Profiles on Biofilm Cohesiveness. Applied and Environmental Microbiology, 2007, 73, 2905-2910. | 1.4 | 150 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Comparison of pulsed and continuous addition of H2 gas via membranes for stimulating PCE biodegradation in soil columns. Water Research, 2006, 40, 1155-1166. | 5.3 | 15 |
| 74 | The effect of varying levels of sodium bicarbonate on polychlorinated biphenyl dechlorination in Hudson River sediment cultures. Environmental Microbiology, 2006, 8, 1288-1298. | 1.8 | 25 |
| 75 | The reductive dechlorination of 2,3,4,5-tetrachlorobiphenyl in three different sediment cultures: evidence for the involvement of phylogenetically similar Dehalococcoides-like bacterial populations. FEMS Microbiology Ecology, 2006, 55, 248-261. | 1.3 | 64 |
| 76 | The Impact of Sediment Characteristics on Polychlorinated Biphenylâ€“Dechlorinating Cultures: Implications for Bioaugmentation. Bioremediation Journal, 2006, 10, 143-151. | 1.0 | 11 |
| 77 | Novel application of oxygen-transferring membranes to improve anaerobic wastewater treatment. Biotechnology and Bioengineering, 2005, 89, 373-380. | 1.7 | 13 |
| 78 | Enrichment of anaerobic polychlorinated biphenyl dechlorinators from sediment with iron as a hydrogen source. Water Research, 2005, 39, 569-578. | 5.3 | 35 |
| 79 | Zone of influence of a gas permeable membrane system for delivery of gases to groundwater. Water Resources Research, 2005, 41, . | 1.7 | 14 |
| 80 | Effects of various environmental conditions on the transformation of chlorinated solvents byMethanosarcina thermophila cell exudates. Biotechnology and Bioengineering, 2001, 75, 634-641. | 1.7 | 13 |
| 81 | Investigation of cell exudates active in carbon tetrachloride and chloroform degradation. Biotechnology and Bioengineering, 2001, 74, 12-17. | 1.7 | 19 |
| 82 | Kinetics of alachlor transformation and identification of metabolites under anaerobic conditions. Water Research, 1997, 31, 3107-3115. | 5.3 | 16 |
| 83 | Best Papers from 2021 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science Atmospheres, 0, , . | 0.9 | 0 |
| 84 | Best Papers from 2021 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Nano, 0, , . | 2.2 | 0 |
| 85 | Best Papers from 2021 published in the Environmental Science journals of the Royal Society of Chemistry. Environmental Science: Water Research and Technology, 0, , . | 1.2 | 0 |