

Shuying Wang

List of Publications by Year in descending order

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340
papers

17,730
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10979

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351
docs citations

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times ranked

6320
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Biological nitrogen removal from sewage via anammox: Recent advances. <i>Bioresource Technology</i> , 2016, 200, 981-990. | 4.8 | 533 |
| 2 | Biological nitrogen removal with nitrification and denitrification via nitrite pathway. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 15-26. | 1.7 | 465 |
| 3 | Performance and microbial community analysis of a novel DEAMOX based on partial-denitrification and anammox treating ammonia and nitrate wastewaters. <i>Water Research</i> , 2017, 108, 46-56. | 5.3 | 416 |
| 4 | Stratification of Extracellular Polymeric Substances (EPS) for Aggregated Anammox Microorganisms. <i>Environmental Science & Technology</i> , 2017, 51, 3260-3268. | 4.6 | 389 |
| 5 | Detection of nitrifiers and evaluation of partial nitrification for wastewater treatment: A review. <i>Chemosphere</i> , 2015, 140, 85-98. | 4.2 | 341 |
| 6 | Dissecting microbial community structure and methane-producing pathways of a full-scale anaerobic reactor digesting activated sludge from wastewater treatment by metagenomic sequencing. <i>Microbial Cell Factories</i> , 2015, 14, 33. | 1.9 | 323 |
| 7 | Quantify the contribution of anammox for enhanced nitrogen removal through metagenomic analysis and mass balance in an anoxic moving bed biofilm reactor. <i>Water Research</i> , 2019, 160, 178-187. | 5.3 | 268 |
| 8 | Treating low carbon/nitrogen (C/N) wastewater in simultaneous nitrification-endogenous denitrification and phosphorous removal (SNDPR) systems by strengthening anaerobic intracellular carbon storage. <i>Water Research</i> , 2015, 77, 191-200. | 5.3 | 264 |
| 9 | Partial denitrification providing nitrite: Opportunities of extending application for anammox. <i>Environment International</i> , 2019, 131, 105001. | 4.8 | 252 |
| 10 | Recent advances in nitrogen removal from landfill leachate using biological treatments – A review. <i>Journal of Environmental Management</i> , 2019, 235, 178-185. | 3.8 | 252 |
| 11 | Nitrite accumulation under constant temperature in anoxic denitrification process: The effects of carbon sources and COD/NO ₃ -N. <i>Bioresource Technology</i> , 2012, 114, 137-143. | 4.8 | 235 |
| 12 | Achieving Mainstream Nitrogen Removal through Coupling Anammox with Denitrification. <i>Environmental Science & Technology</i> , 2017, 51, 8405-8413. | 4.6 | 222 |
| 13 | A critical review of one-stage anammox processes for treating industrial wastewater: Optimization strategies based on key functional microorganisms. <i>Bioresource Technology</i> , 2018, 265, 498-505. | 4.8 | 206 |
| 14 | Complete nitrogen removal from municipal wastewater via partial nitrification by appropriately alternating anoxic/aerobic conditions in a continuous plug-flow step feed process. <i>Water Research</i> , 2014, 55, 95-105. | 5.3 | 186 |
| 15 | Characterization of EPS compositions and microbial community in an Anammox SBBR system treating landfill leachate. <i>Bioresource Technology</i> , 2018, 249, 108-116. | 4.8 | 176 |
| 16 | Mechanisms and microbial structure of partial denitrification with high nitrite accumulation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2011-2021. | 1.7 | 172 |
| 17 | Achieving partial denitrification with sludge fermentation liquid as carbon source: The effect of seeding sludge. <i>Bioresource Technology</i> , 2013, 149, 570-574. | 4.8 | 171 |
| 18 | Anaerobic ammonium oxidation in traditional municipal wastewater treatment plants with low-strength ammonium loading: Widespread but overlooked. <i>Water Research</i> , 2015, 84, 66-75. | 5.3 | 168 |

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|----|---|-----|-----------|
| 19 | High-throughput profiling of microbial community structures in an ANAMMOX-UASB reactor treating high-strength wastewater. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6457-6467. | 1.7 | 168 |
| 20 | Flexible Nitrite Supply Alternative for Mainstream Anammox: Advances in Enhancing Process Stability. <i>Environmental Science & Technology</i> , 2020, 54, 6353-6364. | 4.6 | 168 |
| 21 | Effect of temperature on short chain fatty acids (SCFAs) accumulation and microbiological transformation in sludge alkaline fermentation with Ca(OH) ₂ adjustment. <i>Water Research</i> , 2014, 61, 34-45. | 5.3 | 162 |
| 22 | Combined Partial Denitrification (PD)-Anammox: A method for high nitrate wastewater treatment. <i>Environment International</i> , 2019, 126, 707-716. | 4.8 | 160 |
| 23 | Advanced nitrogen removal from wastewater by combining anammox with partial denitrification. <i>Bioresource Technology</i> , 2015, 179, 497-504. | 4.8 | 156 |
| 24 | Adsorption and co-adsorption of tetracycline and doxycycline by one-step synthesized iron loaded sludge biochar. <i>Chemosphere</i> , 2019, 236, 124254. | 4.2 | 153 |
| 25 | Long-term effect of pH on denitrification: High pH benefits achieving partial-denitrification. <i>Bioresource Technology</i> , 2019, 278, 444-449. | 4.8 | 153 |
| 26 | Nitrite production in a partial denitrifying upflow sludge bed (USB) reactor equipped with gas automatic circulation (GAC). <i>Water Research</i> , 2016, 90, 309-316. | 5.3 | 141 |
| 27 | Insight into the impacts of organics on anammox and their potential linking to system performance of sewage partial nitrification-anammox (PN/A): A critical review. <i>Bioresource Technology</i> , 2020, 300, 122655. | 4.8 | 135 |
| 28 | Metagenomic analysis of anammox communities in three different microbial aggregates. <i>Environmental Microbiology</i> , 2016, 18, 2979-2993. | 1.8 | 133 |
| 29 | Start-up of single-stage partial nitrification-anammox process treating low-strength swage and its restoration from nitrate accumulation. <i>Bioresource Technology</i> , 2016, 218, 771-779. | 4.8 | 132 |
| 30 | Effect of carbon source type on intracellular stored polymers during endogenous denitrification (ED) treating landfill leachate. <i>Water Research</i> , 2016, 100, 405-412. | 5.3 | 129 |
| 31 | Organic removal by denitrification and methanogenesis and nitrogen removal by nitrification from landfill leachate. <i>Water Research</i> , 2008, 42, 883-892. | 5.3 | 123 |
| 32 | Illumina MiSeq sequencing reveals the key microorganisms involved in partial nitrification followed by simultaneous sludge fermentation, denitrification and anammox process. <i>Bioresource Technology</i> , 2016, 207, 118-125. | 4.8 | 120 |
| 33 | Tumor Energy Metabolism and Potential of 3-Bromopyruvate as an Inhibitor of Aerobic Glycolysis: Implications in Tumor Treatment. <i>Cancers</i> , 2019, 11, 317. | 1.7 | 119 |
| 34 | Advanced nitrogen removal with simultaneous Anammox and denitrification in sequencing batch reactor. <i>Bioresource Technology</i> , 2014, 162, 316-322. | 4.8 | 116 |
| 35 | Achieving advanced nitrogen removal from low C/N wastewater by combining endogenous partial denitrification with anammox in mainstream treatment. <i>Bioresource Technology</i> , 2018, 270, 570-579. | 4.8 | 115 |
| 36 | Long-term effect of pH on short-chain fatty acids accumulation and microbial community in sludge fermentation systems. <i>Bioresource Technology</i> , 2015, 197, 56-63. | 4.8 | 114 |

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|----|--|-----|-----------|
| 37 | Performance of partial denitrification (PD)-ANAMMOX process in simultaneously treating nitrate and low C/N domestic wastewater at low temperature. <i>Bioresource Technology</i> , 2016, 219, 420-429. | 4.8 | 113 |
| 38 | Mechanism of stable sewage nitrogen removal in a partial nitrification-anammox biofilm system at low temperatures: Microbial community and EPS analysis. <i>Bioresource Technology</i> , 2020, 297, 122459. | 4.8 | 112 |
| 39 | Enhanced nitrogen and phosphorus removal from municipal wastewater in an anaerobic-aerobic-anoxic sequencing batch reactor with sludge fermentation products as carbon source. <i>Bioresource Technology</i> , 2017, 244, 1158-1165. | 4.8 | 110 |
| 40 | Suppressing Nitrite-oxidizing Bacteria Growth to Achieve Nitrogen Removal from Domestic Wastewater via Anammox Using Intermittent Aeration with Low Dissolved Oxygen. <i>Scientific Reports</i> , 2015, 5, 13048. | 1.6 | 107 |
| 41 | Volatile fatty acids (VFAs) accumulation and microbial community structure of excess sludge (ES) at different pHs. <i>Bioresource Technology</i> , 2014, 152, 124-129. | 4.8 | 105 |
| 42 | A novel partial nitrification-synchronous anammox and endogenous partial denitrification (PN-SAEPD) process for advanced nitrogen removal from municipal wastewater at ambient temperatures. <i>Water Research</i> , 2020, 175, 115690. | 5.3 | 105 |
| 43 | Achieving partial nitrification in a continuous post-denitrification reactor treating low C/N sewage. <i>Chemical Engineering Journal</i> , 2018, 335, 330-337. | 6.6 | 104 |
| 44 | Synergy of partial-denitrification and anammox in continuously fed upflow sludge blanket reactor for simultaneous nitrate and ammonia removal at room temperature. <i>Bioresource Technology</i> , 2019, 274, 386-394. | 4.8 | 103 |
| 45 | Unraveling microbial structure and diversity of activated sludge in a full-scale simultaneous nitrogen and phosphorus removal plant using metagenomic sequencing. <i>Enzyme and Microbial Technology</i> , 2017, 102, 16-25. | 1.6 | 100 |
| 46 | Start up partial nitrification at low temperature with a real-time control strategy based on blower frequency and pH. <i>Bioresource Technology</i> , 2012, 112, 34-41. | 4.8 | 98 |
| 47 | Enhancing ammonium oxidizing bacteria activity was key to single-stage partial nitrification-anammox system treating low-strength sewage under intermittent aeration condition. <i>Bioresource Technology</i> , 2017, 231, 36-44. | 4.8 | 93 |
| 48 | Inactivation and adaptation of ammonia-oxidizing bacteria and nitrite-oxidizing bacteria when exposed to free nitrous acid. <i>Bioresource Technology</i> , 2017, 245, 1266-1270. | 4.8 | 92 |
| 49 | Microbial community evolution in partial nitrification/anammox process: From sidestream to mainstream. <i>Bioresource Technology</i> , 2018, 251, 327-333. | 4.8 | 91 |
| 50 | Synergistic Partial-Denitrification, Anammox, and in-situ Fermentation (SPDAF) Process for Advanced Nitrogen Removal from Domestic and Nitrate-Containing Wastewater. <i>Environmental Science & Technology</i> , 2020, 54, 3702-3713. | 4.6 | 91 |
| 51 | Cooperation between partial-nitrification, complete ammonia oxidation (comammox), and anaerobic ammonia oxidation (anammox) in sludge digestion liquid for nitrogen removal. <i>Environmental Pollution</i> , 2019, 254, 112965. | 3.7 | 89 |
| 52 | Highly enriched anammox within anoxic biofilms by reducing suspended sludge biomass in a real-sewage A2/O process. <i>Water Research</i> , 2021, 194, 116906. | 5.3 | 89 |
| 53 | Advanced nitrogen removal from landfill leachate via Anammox system based on Sequencing Biofilm Batch Reactor (SBBR): Effective protection of biofilm. <i>Bioresource Technology</i> , 2016, 220, 8-16. | 4.8 | 88 |
| 54 | Improving municipal wastewater nitrogen and phosphorous removal by feeding sludge fermentation products to sequencing batch reactor (SBR). <i>Bioresource Technology</i> , 2016, 222, 326-334. | 4.8 | 86 |

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|----|--|-----|-----------|
| 55 | Improvement of partial nitrification endogenous denitrification and phosphorus removal system: Balancing competition between phosphorus and glycogen accumulating organisms to enhance nitrogen removal without initiating phosphorus removal deterioration. <i>Bioresource Technology</i> , 2019, 281, 382-391. | 4.8 | 85 |
| 56 | Feasibility of partial-denitrification/ anammox for pharmaceutical wastewater treatment in a hybrid biofilm reactor. <i>Water Research</i> , 2022, 208, 117856. | 5.3 | 85 |
| 57 | Long term effect of alkali types on waste activated sludge hydrolytic acidification and microbial community at low temperature. <i>Bioresource Technology</i> , 2016, 200, 587-597. | 4.8 | 84 |
| 58 | A novel SNPR process for advanced nitrogen and phosphorus removal from mainstream wastewater based on anammox, endogenous partial-denitrification and denitrifying dephosphatation. <i>Water Research</i> , 2020, 170, 115363. | 5.3 | 84 |
| 59 | Continuous-flow combined process of nitritation and ANAMMOX for treatment of landfill leachate. <i>Bioresource Technology</i> , 2016, 214, 514-519. | 4.8 | 83 |
| 60 | Achievement of high nitrite accumulation via endogenous partial denitrification (EPD). <i>Bioresource Technology</i> , 2017, 224, 140-146. | 4.8 | 83 |
| 61 | Recent advances in controlling denitrification for achieving denitrification/anammox in mainstream wastewater treatment plants. <i>Bioresource Technology</i> , 2020, 299, 122697. | 4.8 | 83 |
| 62 | Integrated anaerobic ammonium oxidization with partial denitrification process for advanced nitrogen removal from high-strength wastewater. <i>Bioresource Technology</i> , 2016, 221, 37-46. | 4.8 | 80 |
| 63 | Efficient step-feed partial nitrification, simultaneous Anammox and denitrification (SPNAD) equipped with real-time control parameters treating raw mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2019, 364, 163-172. | 6.5 | 80 |
| 64 | Effective nitrogen removal in a granule-based partial-denitrification/anammox reactor treating low C/N sewage. <i>Bioresource Technology</i> , 2020, 297, 122467. | 4.8 | 79 |
| 65 | Combining simultaneous nitrification-endogenous denitrification and phosphorus removal with post-denitrification for low carbon/nitrogen wastewater treatment. <i>Bioresource Technology</i> , 2016, 220, 17-25. | 4.8 | 78 |
| 66 | Understanding the role of extracellular polymeric substances in an enhanced biological phosphorus removal granular sludge system. <i>Bioresource Technology</i> , 2014, 169, 307-312. | 4.8 | 77 |
| 67 | Effects of salinity build-up on the performance and microbial community of partial-denitrification granular sludge with high nitrite accumulation. <i>Chemosphere</i> , 2018, 209, 53-60. | 4.2 | 77 |
| 68 | Pathways and Organisms Involved in Ammonia Oxidation and Nitrous Oxide Emission. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 2213-2296. | 6.6 | 76 |
| 69 | Short-chain fatty acids production and microbial community in sludge alkaline fermentation: Long-term effect of temperature. <i>Bioresource Technology</i> , 2016, 211, 685-690. | 4.8 | 75 |
| 70 | The inhibitory effects of free ammonia on ammonia oxidizing bacteria and nitrite oxidizing bacteria under anaerobic condition. <i>Bioresource Technology</i> , 2017, 243, 1247-1250. | 4.8 | 75 |
| 71 | Enhancement of denitrifying phosphorus removal and microbial community of long-term operation in an anaerobic anoxicoxic biological contact oxidation system. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 456-466. | 1.1 | 73 |
| 72 | A novel stoichiometries methodology to quantify functional microorganisms in simultaneous (partial) nitrification-endogenous denitrification and phosphorus removal (SNEDPR). <i>Water Research</i> , 2016, 95, 319-329. | 5.3 | 73 |

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|----|---|-----|-----------|
| 73 | Achieve efficient nitrogen removal from real sewage in a plug-flow integrated fixed-film activated sludge (IFAS) reactor via partial nitrification/anammox pathway. <i>Bioresource Technology</i> , 2017, 239, 294-301. | 4.8 | 73 |
| 74 | Achieving partial denitrification using carbon sources in domestic wastewater with waste-activated sludge as inoculum. <i>Bioresource Technology</i> , 2019, 283, 18-27. | 4.8 | 72 |
| 75 | Rapid start-up and stable maintenance of domestic wastewater nitrification through short-term hydroxylamine addition. <i>Bioresource Technology</i> , 2019, 278, 468-472. | 4.8 | 70 |
| 76 | Simultaneous domestic wastewater and nitrate sewage treatment by DENitrifying AMmonium OXidation (DEAMOX) in sequencing batch reactor. <i>Chemosphere</i> , 2017, 174, 399-407. | 4.2 | 69 |
| 77 | Achieving partial denitrification through control of biofilm structure during biofilm growth in denitrifying biofilter. <i>Bioresource Technology</i> , 2017, 238, 223-231. | 4.8 | 67 |
| 78 | Combining partial nitrification and post endogenous denitrification in an EBPR system for deep-level nutrient removal from low carbon/nitrogen (C/N) domestic wastewater. <i>Chemosphere</i> , 2018, 210, 19-28. | 4.2 | 67 |
| 79 | Free nitrous acid pretreatment of wasted activated sludge to exploit internal carbon source for enhanced denitrification. <i>Bioresource Technology</i> , 2015, 179, 20-25. | 4.8 | 66 |
| 80 | Effect of low COD/N ratios on stability of single-stage partial nitrification/anammox (SPN/A) process in a long-term operation. <i>Bioresource Technology</i> , 2017, 244, 192-197. | 4.8 | 66 |
| 81 | An improved start-up strategy for mainstream anammox process through inoculating ordinary nitrification sludge and a small amount of anammox sludge. <i>Journal of Hazardous Materials</i> , 2020, 384, 121325. | 6.5 | 65 |
| 82 | Advanced nitrogen removal from landfill leachate using real-time controlled three-stage sequence batch reactor (SBR) system. <i>Bioresource Technology</i> , 2014, 159, 258-265. | 4.8 | 62 |
| 83 | Advanced treatment of landfill leachate using anaerobic-aerobic process: Organic removal by simultaneous denitrification and methanogenesis and nitrogen removal via nitrite. <i>Bioresource Technology</i> , 2015, 177, 337-345. | 4.8 | 62 |
| 84 | High-efficient nitrogen removal from municipal wastewater via two-stage nitrification/anammox process: Long-term stability assessment and mechanism analysis. <i>Bioresource Technology</i> , 2019, 271, 150-158. | 4.8 | 62 |
| 85 | Advanced nitrogen removal from mature landfill leachate via partial nitrification-Anammox biofilm reactor (PNABR) driven by high dissolved oxygen (DO): Protection mechanism of aerobic biofilm. <i>Bioresource Technology</i> , 2020, 306, 123119. | 4.8 | 61 |
| 86 | Recovering partial nitrification in a PN/A system during mainstream wastewater treatment by reviving AOB activity after thoroughly inhibiting AOB and NOB with free nitrous acid. <i>Environment International</i> , 2020, 139, 105684. | 4.8 | 61 |
| 87 | Rapid enrichment of anammox bacteria linked to floc aggregates in a single-stage partial nitrification-anammox process: Providing the initial carrier and anaerobic microenvironment. <i>Water Research</i> , 2021, 191, 116807. | 5.3 | 60 |
| 88 | Achieving partial nitrification by inhibiting the activity of Nitrospira-like bacteria under high-DO conditions in an intermittent aeration reactor. <i>Journal of Environmental Sciences</i> , 2017, 56, 71-78. | 3.2 | 59 |
| 89 | A novel partial-denitrification strategy for post-anammox to effectively remove nitrogen from landfill leachate. <i>Science of the Total Environment</i> , 2018, 633, 745-751. | 3.9 | 59 |
| 90 | High-efficient nitrogen removal from mature landfill leachate and waste activated sludge (WAS) reduction via partial nitrification and integrated fermentation-denitrification process (PNIFD). <i>Water Research</i> , 2019, 160, 394-404. | 5.3 | 59 |

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|-----|--|-----|-----------|
| 91 | Enhanced nutrient removal of simultaneous partial nitrification, denitrification and phosphorus removal (SPNDPR) in a single-stage anaerobic/micro-aerobic sequencing batch reactor for treating real sewage with low carbon/nitrogen. <i>Chemosphere</i> , 2020, 257, 127097. | 4.2 | 59 |
| 92 | Enhanced nutrient removal in three types of step feeding process from municipal wastewater. <i>Bioresource Technology</i> , 2011, 102, 6405-6413. | 4.8 | 58 |
| 93 | Characteristic of nitrous oxide production in partial denitrification process with high nitrite accumulation. <i>Bioresource Technology</i> , 2016, 203, 341-347. | 4.8 | 58 |
| 94 | Integrated fixed-biofilm activated sludge reactor as a powerful tool to enrich anammox biofilm and granular sludge. <i>Chemosphere</i> , 2015, 140, 114-118. | 4.2 | 56 |
| 95 | Full-scale partial nitrification/anammox (PN/A) process for treating sludge dewatering liquor from anaerobic digestion after thermal hydrolysis. <i>Bioresource Technology</i> , 2020, 297, 122380. | 4.8 | 56 |
| 96 | Improving Efficiency and Stability of Anammox through Sequentially Coupling Nitrification and Denitrification in a Single-Stage Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 10859-10867. | 4.6 | 55 |
| 97 | Enhanced simultaneous nitrogen and phosphorus removal from low COD/TIN domestic wastewater through nitrification-denitrification coupling improved anammox process with an optimal Anaerobic/Oxic/Anoxic strategy. <i>Bioresource Technology</i> , 2021, 322, 124526. | 4.8 | 55 |
| 98 | Beyond an Applicable Rate in Low-Strength Wastewater Treatment by Anammox: Motivated Labor at an Extremely Short Hydraulic Retention Time. <i>Environmental Science & Technology</i> , 2022, 56, 8650-8662. | 4.6 | 55 |
| 99 | Enhancement of anammox activity by addition of compatible solutes at high salinity conditions. <i>Bioresource Technology</i> , 2014, 167, 560-563. | 4.8 | 54 |
| 100 | Simultaneous Ammonium oxidation denitrifying (SAD) in an innovative three-stage process for energy-efficient mature landfill leachate treatment with external sludge reduction. <i>Water Research</i> , 2020, 169, 115156. | 5.3 | 54 |
| 101 | Advanced nitrogen removal from municipal wastewater via two-stage partial nitrification-simultaneous anammox and denitrification (PN-SAD) process. <i>Bioresource Technology</i> , 2020, 304, 122955. | 4.8 | 54 |
| 102 | The Potential of Lonidamine in Combination with Chemotherapy and Physical Therapy in Cancer Treatment. <i>Cancers</i> , 2020, 12, 3332. | 1.7 | 53 |
| 103 | Feasibility of enhancing the Denitrifying Ammonium Oxidation (DEAMOX) process for nitrogen removal by seeding partial denitrification sludge. <i>Chemosphere</i> , 2016, 148, 403-407. | 4.2 | 52 |
| 104 | Advanced nitrogen removal via nitrite using stored polymers in a modified sequencing batch reactor treating landfill leachate. <i>Bioresource Technology</i> , 2015, 192, 354-360. | 4.8 | 51 |
| 105 | Enhancing sewage nitrogen removal via anammox and endogenous denitrification: Significance of anaerobic/oxic/anoxic operation mode. <i>Bioresource Technology</i> , 2019, 289, 121665. | 4.8 | 51 |
| 106 | Characteristics of sludge granulation and EPS production in development of stable partial nitrification. <i>Bioresource Technology</i> , 2020, 303, 122937. | 4.8 | 51 |
| 107 | Restoration of real sewage partial nitrification-anammox process from nitrate accumulation using free nitrous acid treatment. <i>Bioresource Technology</i> , 2018, 251, 341-349. | 4.8 | 50 |
| 108 | Efficient partial-denitrification/anammox (PD/A) process through gas-mixing strategy: System evaluation and microbial analysis. <i>Bioresource Technology</i> , 2020, 300, 122675. | 4.8 | 50 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Advanced nitrogen removal from low C/N municipal wastewater by combining partial nitrification-anammox and endogenous partial denitrification-anammox (PN/A-EPD/A) process in a single-stage reactor. <i>Bioresource Technology</i> , 2021, 339, 125501. | 4.8 | 50 |
| 110 | NOB suppression in partial nitrification-anammox (PNA) process by discharging aged flocs: Performance and microbial community dynamics. <i>Chemosphere</i> , 2019, 227, 26-33. | 4.2 | 49 |
| 111 | Characterization of partial-denitrification (PD) granular sludge producing nitrite: Effect of loading rates and particle size. <i>Science of the Total Environment</i> , 2019, 671, 510-518. | 3.9 | 49 |
| 112 | In situ enrichment of anammox bacteria in anoxic biofilms are possible due to the stable and long-term accumulation of nitrite during denitrification. <i>Bioresource Technology</i> , 2020, 300, 122668. | 4.8 | 49 |
| 113 | Carrier type induces anammox biofilm structure and the nitrogen removal pathway: Demonstration in a full-scale partial nitrification/anammox process. <i>Bioresource Technology</i> , 2021, 334, 125249. | 4.8 | 49 |
| 114 | Sustainable upgrading of biological municipal wastewater treatment based on anammox: From microbial understanding to engineering application. <i>Science of the Total Environment</i> , 2022, 813, 152468. | 3.9 | 49 |
| 115 | Analysis of the impact of reflux ratio on coupled partial nitrification-anammox for co-treatment of mature landfill leachate and domestic wastewater. <i>Bioresource Technology</i> , 2015, 198, 207-214. | 4.8 | 48 |
| 116 | Advanced nitrogen removal of low C/N ratio sewage in an anaerobic/aerobic/anoxic process through enhanced post-endogenous denitrification. <i>Chemosphere</i> , 2020, 252, 126624. | 4.2 | 48 |
| 117 | Enhanced nitrogen removal from nitrate-rich mature leachate via partial denitrification (PD)-anammox under real-time control. <i>Bioresource Technology</i> , 2019, 289, 121615. | 4.8 | 47 |
| 118 | Enhancing the digestion of waste activated sludge through nitrite addition: insight on mechanism through profiles of extracellular polymeric substances (EPS) and microbial communities. <i>Journal of Hazardous Materials</i> , 2019, 369, 164-170. | 6.5 | 47 |
| 119 | Nitrogen and phosphorus removal in pilot-scale anaerobic-anoxic oxidation ditch system. <i>Journal of Environmental Sciences</i> , 2008, 20, 398-403. | 3.2 | 46 |
| 120 | Reducing carbon source consumption through a novel denitrification/anammox biofilter to remove nitrate from synthetic secondary effluent. <i>Bioresource Technology</i> , 2020, 309, 123377. | 4.8 | 46 |
| 121 | Dynamics of microbial activities and community structures in activated sludge under aerobic starvation. <i>Bioresource Technology</i> , 2017, 244, 588-596. | 4.8 | 45 |
| 122 | Rapid nitrite production via partial denitrification: pilot-scale operation and microbial community analysis. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 80-86. | 1.2 | 45 |
| 123 | Autotrophic nitrogen removal in an integrated fixed-biofilm activated sludge (IFAS) reactor: Anammox bacteria enriched in the flocs have been overlooked. <i>Bioresource Technology</i> , 2019, 288, 121512. | 4.8 | 45 |
| 124 | Effect of fulvic acid on bioreactor performance and on microbial populations within the anammox process. <i>Bioresource Technology</i> , 2020, 318, 124094. | 4.8 | 45 |
| 125 | Performance of the anammox process treating low-strength municipal wastewater under low temperatures: Effect of undulating seasonal temperature variation. <i>Bioresource Technology</i> , 2020, 312, 123590. | 4.8 | 45 |
| 126 | Pilot-scale evaluation of partial denitrification/anammox on nitrogen removal from low COD/N real sewage based on a modified process. <i>Bioresource Technology</i> , 2021, 338, 125580. | 4.8 | 45 |

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|-----|--|-----|-----------|
| 127 | Effective adsorption of cationic dyes by lignin sulfonate polymer based on simple emulsion polymerization: isotherm and kinetic studies. <i>RSC Advances</i> , 2015, 5, 3757-3766. | 1.7 | 44 |
| 128 | A continuous-flow combined process based on partial nitrification-Anammox and partial denitrification-Anammox (PN/AA+APD/A) for enhanced nitrogen removal from mature landfill leachate. <i>Bioresource Technology</i> , 2020, 297, 122483. | 4.8 | 44 |
| 129 | Mechanistic insights into the effects of biopolymer conversion on macroscopic physical properties of waste activated sludge during hydrothermal treatment: Importance of the Maillard reaction. <i>Science of the Total Environment</i> , 2021, 769, 144798. | 3.9 | 44 |
| 130 | Rapid achieving partial nitrification in domestic wastewater: Controlling aeration time to selectively enrich ammonium oxidizing bacteria (AOB) after simultaneously eliminating AOB and nitrite oxidizing bacteria (NOB). <i>Bioresource Technology</i> , 2021, 328, 124810. | 4.8 | 44 |
| 131 | Nitrogen removal from medium-age landfill leachate via post-denitrification driven by PHAs and glycogen in a single sequencing batch reactor. <i>Bioresource Technology</i> , 2014, 169, 773-777. | 4.8 | 42 |
| 132 | Low energy treatment of landfill leachate using simultaneous partial nitrification and partial denitrification with anaerobic ammonia oxidation. <i>Environment International</i> , 2019, 127, 452-461. | 4.8 | 42 |
| 133 | Optimization of the intermittent aeration to improve the stability and flexibility of a mainstream hybrid partial nitrification-anammox system. <i>Chemosphere</i> , 2020, 261, 127670. | 4.2 | 42 |
| 134 | Simultaneous partial nitrification and denitrification coupled with polished anammox for advanced nitrogen removal from low C/N domestic wastewater at low dissolved oxygen conditions. <i>Bioresource Technology</i> , 2020, 305, 123045. | 4.8 | 42 |
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