Krzysztof Czerwionka

List of Publications by Year
in descending order

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37	644	516710 16	610901 24
papers	citations	h-index	g-index

37	37	37	575
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Influence of Low-Temperature Disintegration on the Co-Fermentation Process of Distillation Residue and Waste-Activated Sludge. Energies, 2022, 15, 482.	3.1	3
2	Phosphorus and nitrogen forms in liquid fraction of digestates from agricultural biogas plants. Environmental Technology (United Kingdom), 2021, 42, 3942-3954.	2.2	13
3	Phosphorus concentration and availability in raw organic waste and post fermentation products. Journal of Environmental Management, 2021, 278, 111468.	7.8	30
4	Integrated plant-wide modelling for evaluation of the energy balance and greenhouse gas footprint in large wastewater treatment plants. Applied Energy, 2021, 282, 116126.	10.1	36
5	Waste materials assessment for phosphorus adsorption toward sustainable application in circular economy. Resources, Conservation and Recycling, 2021, 168, 105335.	10.8	31
6	The Influence of Co-Fermentation of Agri-Food Waste with Primary Sludge on Biogas Production and Composition of the Liquid Fraction of Digestate. Energies, 2021, 14, 1907.	3.1	13
7	Nutrient recovery from deammonification effluent in a pilot study using two-step reject water treatment technology. Water Resources and Industry, 2021, 25, 100148.	3.9	1
8	Denitrification Process Enhancement and Diversity of the Denitrifying Community in the Full Scale Activated Sludge System after Adaptation to Fusel Oil. Energies, 2021, 14, 5225.	3.1	3
9	Application of the Anammox Process for Treatment of Liquid Phase Digestate. Water (Switzerland), 2020, 12, 2965.	2.7	3
10	The Use of Organic Coagulants in the Primary Precipitation Process at Wastewater Treatment Plants. Water (Switzerland), 2020, 12, 1650.	2.7	11
11	Possibilities of Leachate Co-Treatment Originating from Biogas Production inâ€€the Deammonification Process. Journal of Ecological Engineering, 2020, 21, 14-19.	1.1	2
12	The metagenomic approach to characterization of the microbial community shift during the long-term cultivation of anammox-enriched granular sludge. Journal of Applied Genetics, 2018, 59, 109-117.	1.9	15
13	Effects of different external carbon sources and electron acceptors on interactions between denitrification and phosphorus removal in biological nutrient removal processes. Journal of Zhejiang University: Science B, 2018, 19, 305-316.	2.8	9
14	Long-term performance and microbial characteristics of the anammox-enriched granular sludge cultivated in a bench-scale sequencing batch reactor. Biochemical Engineering Journal, 2017, 120, 125-135.	3.6	38
15	Modeling the pH effects on nitrogen removal in the anammox-enriched granular sludge. Water Science and Technology, 2017, 75, 378-386.	2.5	16
16	Strategies for achieving energy neutrality in biological nutrient removal systems â€“ a case study of the Slupsk WWTP (northern Poland). Water Science and Technology, 2017, 75, 727-740.	2.5	28
17	Importance of the combined effects of dissolved oxygen and pH on optimization of nitrogen removal in anammox-enriched granular sludge. Process Biochemistry, 2016, 51, 1274-1282.	3.7	39
18	Influence of temperature on the activity of anammox granular biomass. Water Science and Technology, 2016, 73, 2518-2525.	2.5	34

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19	Modeling the Effect of External Carbon Source Addition under Different Electron Acceptor Conditions in Biological Nutrient Removal Activated Sludge Systems. Environmental Science & Technology, 2016, 50, 1887-1896.	10.0	18
20	Influence of dissolved organic nitrogen on surface waters. Oceanologia, 2016, 58, 39-45.	2.2	22
21	The effects of different aeration modes on ammonia removal from sludge digester liquors in the nitritationâ€“anammox process. Water Science and Technology, 2015, 71, 986-995.	2.5	10
22	Distillery fusel oil as an alternative carbon source for denitrification â€“ from laboratory experiments to full-scale applications. Water Science and Technology, 2014, 69, 1626-1633.	2.5	4
23	Dissolved and colloidal organic nitrogen removal from wastewater treatment plants effluents and reject waters using physicalâ€“chemical processes. Water Science and Technology, 2014, 70, 561-568.	2.5	22
24	Acclimation of denitrifying activated sludge to a single vs. complex external carbon source during a start-up of sequencing batch reactors treating ammonium-rich anaerobic sludge digester liquors. Biodegradation, 2014, 25, 881-892.	3.0	8
25	Modeling External Carbon Addition in Biological Nutrient Removal Processes with an Extension of the International Water Association Activated Sludge Model. Water Environment Research, 2012, 84, 646-655.	2.7	17
26	Distillery wastes as external carbon sources for denitrification in municipal wastewater treatment plants. Water Science and Technology, 2012, 65, 1583-1590.	2.5	13
27	Characteristics and fate of organic nitrogen in municipal biological nutrient removal wastewater treatment plants. Water Research, 2012, 46, 2057-2066.	11.3	63
28	Modeling organic nitrogen conversions in activated sludge bioreactors. Water Science and Technology, 2011, 63, 1418-1426.	2.5	17
29	A distillery by-product as an external carbon source for enhancing denitrification in mainstream and sidestream treatment processes. Water Science and Technology, 2011, 64, 2072-2079.	2.5	7
30	Nitrogen transformations and mass balances in anaerobic/anoxic/aerobic batch experiments with full-scale biomasses from BNR activated sludge systems. Water Science and Technology, 2009, 60, 2463-2470.	2.5	14
31	Industrial wastewater as an external carbon source for optimization of nitrogen removal at the â€œWschodâ€•WWTP in Gdansk (Poland). Water Science and Technology, 2009, 59, 57-64.	2.5	8
32	Combining Computational Fluid Dynamics with a Biokinetic Model for Predicting Ammonia and Phosphate Behavior in Aeration Tanks. Water Environment Research, 2009, 81, 2353-2362.	2.7	11
33	Comparison of the Effects of Conventional and Alternative External Carbon Sources on Enhancing the Denitrification Process. Water Environment Research, 2009, 81, 896-906.	2.7	21
34	Nitrogen speciation in wastewater treatment plant influents and effluentsâ€”the US and Polish case studies. Water Science and Technology, 2008, 57, 1511-1517.	2.5	54
35	Comparison of the Effects of Conventional and Alternative External Carbon Sources on Enhancing the Denitrification Process. Proceedings of the Water Environment Federation, 2008, 2008, 289-307.	0.0	2
36	Combining Computational Fluid Dynamics (CFD) with a Biokinetic Model for Predicting Ammonia and Phosphate Behavior in Aeration Tanks. Proceedings of the Water Environment Federation, 2008, 2008, 3248-3265.	0.0	0

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37	Effects of different hydraulic models on predicting longitudinal profiles of reactive pollutants in activated sludge reactors. Water Science and Technology, 2008, 58, 555-561.	2.5	8