Klaudiusz Grübel

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Chemistry of persulfates in water and wastewater treatment: A review. Chemical Engineering Journal, 2017, 330, 44-62.	12.7	1,320
2	Simple spectrophotometric determination of monopersulfate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 928-933.	3.9	121
3	A novel approach for simultaneous improvement of dewaterability, post-digestion liquor properties and toluene removal from anaerobically digested sludge. Chemical Engineering Journal, 2016, 291, 192-198.	12.7	51
4	Hybrid alkali-hydrodynamic disintegration of waste-activated sludge before two-stage anaerobic digestion process. Environmental Science and Pollution Research, 2015, 22, 7258-7270.	5.3	50
5	Disintegration of Wastewater Activated Sludge (WAS) for Improved Biogas Production. Energies, 2019, 12, 21.	3.1	31
6	UV-Catalyzed Persulfate Oxidation of an Anthraquinone Based Dye. Catalysts, 2020, 10, 456.	3.5	20
7	The impact of peroxydisulphate and peroxymonosulphate on disintegration and settleability of activated sludge. Environmental Technology (United Kingdom), 2016, 37, 1296-1304.	2.2	19
8	Enhanced Biological Phosphorus Removal and Recovery. Water Environment Research, 2008, 80, 617-623.	2.7	18
9	Use of Hydrodynamic Disintegration to Accelerate Anaerobic Digestion of Surplus Activated Sludge. Water Environment Research, 2009, 81, 2420-2426.	2.7	18
10	The Impact of Oxone on Disintegration and Dewaterability of Waste Activated Sludge. Water Environment Research, 2016, 88, 152-157.	2.7	18
11	Mesophilic-thermophilic fermentation process of waste activated sludge after hybrid disintegration. Ecological Chemistry and Engineering S, 2014, 21, 125-136.	1.5	15
12	Impact of peroxydisulphate on disintegration and sedimentation properties of municipal wastewater activated sludge. Chemical Papers, 2015, 69, .	2.2	14
13	Microwave-assisted sustainable co-digestion of sewage sludge and rapeseed cakes. Energy Conversion and Management, 2019, 199, 112012.	9.2	14
14	Impact of Alkalization of Surplus Activated Sludge on Biogas Production. Ecological Chemistry and Engineering S, 2013, 20, 343-351.	1.5	12
15	Nitrogen in the Process of Waste Activated Sludge Anaerobic Digestion. Archives of Environmental Protection, 2014, 40, 123-136.	1.1	12
16	Infrared wave analysis after hydrodynamic and acoustic cavitation as effective method of confirming sewage sludge destruction. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 101-107.	1.7	11
17	A new method for assessment of the sludge disintegration degree with the use of differential centrifugal sedimentation. Environmental Technology (United Kingdom), 2019, 40, 3086-3093.	2.2	10
18	Waste-activated sludge disruption by dry ice: bench scale study and evaluation of heat phase transformations. Environmental Science and Pollution Research, 2019, 26, 26488-26499.	5.3	9

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19	Study of the biodegradability of polylactide fibers in wastewater treatment processes. Polimery, 2017, 62, 834-840.	0.7	9
20	Integrated Production of Biofuels and Succinic Acid from Biomass after Thermochemical Pretreatments. Ecological Chemistry and Engineering S, 2018, 25, 521-536.	1.5	9
21	Chemical precipitation and ammonia air stripping as effective pre-treatment methods before membrane filtration of co-digestion effluents. Desalination and Water Treatment, 2015, 55, 1672-1682.	1.0	8
22	Disintegration as a key-step in pre-treatment of surplus activated sludge. Journal of Water Chemistry and Technology, 2017, 39, 47-55.	0.6	8
23	Synergetic disintegration of waste activated sludge: improvement of the anaerobic digestion and hygienization of sludge. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 1067-1074.	1.7	8
24	Influence of Microwave Pre-Treatment on the Digestion and Higienisation of Waste Activated Sludge/WpÅ,yw Dezintegracji Mikrofalowej Na Proces Fermentacji Oraz Higienizacji Nadmiernych Osadów Ściekowych. Ecological Chemistry and Engineering S, 2014, 21, 447-464.	1.5	7
25	Low intensity surplus activated sludge pretreatment before anaerobic digestion. Archives of Environmental Protection, 2017, 43, 50-57.	1.1	7
26	Alkaline solubilisation of waste activated sludge (WAS) for soluble organic substrate – (SCOD) production / Tworzenie siÄ™ rozpuszczalnego substratu organicznego podczas zasadowego rozpuszczania osadów ściekowych. Archives of Environmental Protection, 2015, 41, 29-34.	1.1	6
27	Indirect methods of dried sewage sludge contamination assessments. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 754-758.	1.7	6
28	Considerations of Impact of Venturi Effect on Mesophilic Digestion. Ecological Chemistry and Engineering S, 2015, 22, 645-658.	1.5	5
29	Post-Digestion Liquor Treatment in the Method Combining Chemical Precipitation with Reverse Osmosis. Archives of Environmental Protection, 2014, 40, 29-42.	1.1	4
30	Improvement of the thermophilic anaerobic digestion and hygienisation of waste activated sludge by synergistic pretreatment. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 694-700.	1.7	3
31	Hygienisation of Surplus Activated Sludge by Hydrodynamic Cavitation. Ecological Chemistry and Engineering S, 2012, 19, 415-421.	1.5	2
32	ELIMINATION OF CLOSTRIDIUM PERFRINGENS DURING SURPLUS ACTIVATED SLUDGE HANDLING. Inżynieria Ekologiczna, 2013, 32, 40-47.	0.2	2
33	Investigation of the effectiveness of nutrient release from sludge foam after hybrid pretreatment processes by IR analysis and EDX Quantification. Environmental Technology (United Kingdom), 2016, 37, 3120-3130.	2.2	1
34	EVALUATION OF CONTAMINATION OF DRIED SEWAGE SLUDGE AND SOLID BY-PRODUCTS OF DRIED SEWAGE SLUDGE GASIFICATION BY INFRARED SPECTROSCOPY METHOD. Inżynieria Ekologiczna, 2016, , 195-200.	0.2	1
35	Efficiency of Biological Phosphorus Removal by Filamentous Bacteria. Chemistry, Didactics, Ecology, Metrology, 2016, 21, 117-123.	0.6	1
36	Utilization of membrane processes for separation of succinic acid after fermentation of Miscanthus biomass. , 0, 73, 155-163.		1

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37	REMOVE AND RELEASE OF NUTRIENTS AFTER HYBRID PRE-TREATMENT OF ACTIVATED SLUDGE FOAM. Inżynieria Ekologiczna, 2017, 18, 98-104.	0.2	1
38	The use of hybrid disintegration of activated sludge to improve anaerobic stabilization process. Inżynieria Ekologiczna, 2020, 21, 1-8.	0.2	1
39	Use of hydrodynamic disintegration to accelerate anaerobic digestion of surplus activated sludge. Water Environment Research, 2009, 81, 2420-6.	2.7	1
40	Alkalization as a method of preliminary hydrolysis of waste activated sludge before the anaerobic digestion process. Polish Journal of Materials and Environmental Engineering, 0, 1(21), 16-26.	0.0	0
41	THE SEQUENTIAL WATER TREATMENT CONTAINING MYCOESTROGENS IN PHOTOCATALYSIS AND NANOFILTRATION PROCESSES. Inżynieria Ekologiczna, 2013, 32, 32-39.	0.2	0
42	Working on Single Pass Freeze Desalination, very cost effective. , 0, 69, 35-42.		0
43	Activation of Peroxydisulfate by Bimetallic Nano Zero-Valent Iron for Waste-Activated Sludge Disintegration. Catalysts, 2022, 12, 590.	3.5	0