

Klaudiusz GrÅ¼bel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2772021/publications.pdf>

Version: 2024-02-01

43
papers

1,855
citations

686830

13
h-index

329751

37
g-index

45
all docs

45
docs citations

45
times ranked

2037
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry of persulfates in water and wastewater treatment: A review. <i>Chemical Engineering Journal</i> , 2017, 330, 44-62.	6.6	1,320
2	Simple spectrophotometric determination of monopersulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 928-933.	2.0	121
3	A novel approach for simultaneous improvement of dewaterability, post-digestion liquor properties and toluene removal from anaerobically digested sludge. <i>Chemical Engineering Journal</i> , 2016, 291, 192-198.	6.6	51
4	Hybrid alkali-hydrodynamic disintegration of waste-activated sludge before two-stage anaerobic digestion process. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7258-7270.	2.7	50
5	Disintegration of Wastewater Activated Sludge (WAS) for Improved Biogas Production. <i>Energies</i> , 2019, 12, 21.	1.6	31
6	UV-Catalyzed Persulfate Oxidation of an Anthraquinone Based Dye. <i>Catalysts</i> , 2020, 10, 456.	1.6	20
7	The impact of peroxydisulphate and peroxymonosulphate on disintegration and settleability of activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1296-1304.	1.2	19
8	Enhanced Biological Phosphorus Removal and Recovery. <i>Water Environment Research</i> , 2008, 80, 617-623.	1.3	18
9	Use of Hydrodynamic Disintegration to Accelerate Anaerobic Digestion of Surplus Activated Sludge. <i>Water Environment Research</i> , 2009, 81, 2420-2426.	1.3	18
10	The Impact of Oxone on Disintegration and Dewaterability of Waste Activated Sludge. <i>Water Environment Research</i> , 2016, 88, 152-157.	1.3	18
11	Mesophilic-thermophilic fermentation process of waste activated sludge after hybrid disintegration. <i>Ecological Chemistry and Engineering S</i> , 2014, 21, 125-136.	0.3	15
12	Impact of peroxydisulphate on disintegration and sedimentation properties of municipal wastewater activated sludge. <i>Chemical Papers</i> , 2015, 69, .	1.0	14
13	Microwave-assisted sustainable co-digestion of sewage sludge and rapeseed cakes. <i>Energy Conversion and Management</i> , 2019, 199, 112012.	4.4	14
14	Impact of Alkalization of Surplus Activated Sludge on Biogas Production. <i>Ecological Chemistry and Engineering S</i> , 2013, 20, 343-351.	0.3	12
15	Nitrogen in the Process of Waste Activated Sludge Anaerobic Digestion. <i>Archives of Environmental Protection</i> , 2014, 40, 123-136.	1.1	12
16	Infrared wave analysis after hydrodynamic and acoustic cavitation as effective method of confirming sewage sludge destruction. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 101-107.	0.9	11
17	A new method for assessment of the sludge disintegration degree with the use of differential centrifugal sedimentation. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 3086-3093.	1.2	10
18	Waste-activated sludge disruption by dry ice: bench scale study and evaluation of heat phase transformations. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26488-26499.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Study of the biodegradability of polylactide fibers in wastewater treatment processes. <i>Polimery</i> , 2017, 62, 834-840.	0.4	9
20	Integrated Production of Biofuels and Succinic Acid from Biomass after Thermochemical Pretreatments. <i>Ecological Chemistry and Engineering S</i> , 2018, 25, 521-536.	0.3	9
21	Chemical precipitation and ammonia air stripping as effective pre-treatment methods before membrane filtration of co-digestion effluents. <i>Desalination and Water Treatment</i> , 2015, 55, 1672-1682.	1.0	8
22	Disintegration as a key-step in pre-treatment of surplus activated sludge. <i>Journal of Water Chemistry and Technology</i> , 2017, 39, 47-55.	0.2	8
23	Synergetic disintegration of waste activated sludge: improvement of the anaerobic digestion and hygienization of sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 1067-1074.	0.9	8
24	Influence of Microwave Pre-Treatment on the Digestion and Hygienisation of Waste Activated Sludge/Wpływ Dezintegracji Mikrofalowej Na Proces Fermentacji Oraz Higienizacji Nadmiernych Osadów Ściekowych. <i>Ecological Chemistry and Engineering S</i> , 2014, 21, 447-464.	0.3	7
25	Low intensity surplus activated sludge pretreatment before anaerobic digestion. <i>Archives of Environmental Protection</i> , 2017, 43, 50-57.	1.1	7
26	Alkaline solubilisation of waste activated sludge (WAS) for soluble organic substrate " (SCOD) production / Tworzenie s _o ™ rozpuszczalnego substratu organicznego podczas zasadowego rozpuszczania osadów ściekowych. <i>Archives of Environmental Protection</i> , 2015, 41, 29-34.	1.1	6
27	Indirect methods of dried sewage sludge contamination assessments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 754-758.	0.9	6
28	Considerations of Impact of Venturi Effect on Mesophilic Digestion. <i>Ecological Chemistry and Engineering S</i> , 2015, 22, 645-658.	0.3	5
29	Post-Digestion Liquor Treatment in the Method Combining Chemical Precipitation with Reverse Osmosis. <i>Archives of Environmental Protection</i> , 2014, 40, 29-42.	1.1	4
30	Improvement of the thermophilic anaerobic digestion and hygienisation of waste activated sludge by synergistic pretreatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 694-700.	0.9	3
31	Hygienisation of Surplus Activated Sludge by Hydrodynamic Cavitation. <i>Ecological Chemistry and Engineering S</i> , 2012, 19, 415-421.	0.3	2
32	ELIMINATION OF CLOSTRIDIUM PERFRINGENS DURING SURPLUS ACTIVATED SLUDGE HANDLING. <i>Inżynieria Ekologiczna</i> , 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. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 3120-3130.	1.2	1
34	EVALUATION OF CONTAMINATION OF DRIED SEWAGE SLUDGE AND SOLID BY-PRODUCTS OF DRIED SEWAGE SLUDGE GASIFICATION BY INFRARED SPECTROSCOPY METHOD. <i>Inżynieria Ekologiczna</i> , 2016, , 195-200.	0.2	1
35	Efficiency of Biological Phosphorus Removal by Filamentous Bacteria. <i>Chemistry, Didactics, Ecology, Metrology</i> , 2016, 21, 117-123.	0.1	1
36	Utilization of membrane processes for separation of succinic acid after fermentation of Miscanthus biomass. , 0, 73, 155-163.		1

#	ARTICLE	IF	CITATIONS
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.	1.3	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.	1.6	0