SÃ¡ndor BeszÃ©des

List of Publications by Year
in descending order

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54	418	840585	794469
papers	citations	11 h-index	19 g-index

56	56	56	595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microwave-Assisted Extraction of Anthocyanins from Black Currant Marc. Food and Bioprocess Technology, 2013, 6, 2666-2674.	2.6	50
2	Comparison of the effects of microwave irradiation with different intensities on the biodegradability of sludge from the dairy- and meat-industry. Bioresource Technology, 2011, 102, 814-821.	4.8	46
3	Berry Pectins: Microwave-Assisted Extraction and Rheological Properties. Food and Bioprocess Technology, 2012, 5, 1100-1105.	2.6	41
4	Concentration of blackcurrant juice by reverse osmosis. Desalination, 2009, 241, 256-264.	4.0	28
5	Effect of preozonation on the filterability of model dairy waste water in nanofiltration. Desalination, 2009, 240, 170-177.	4.0	25
6	Comparison of the Effects of Ozone, UV and Combined Ozone/UV Treatment on the Color and Microbial Counts of Wheat Flour. Ozone: Science and Engineering, 2008, 30, 413-417.	1.4	23
7	Nanofiltration and reverse osmosis of pig manure: Comparison of results from vibratory and classical modules. Desalination and Water Treatment, 2010, 14, 233-238.	1.0	21
8	Biogas Production of Ozone and/or Microwave-Pretreated Canned Maize Production Sludge. Ozone: Science and Engineering, 2009, 31, 257-261.	1.4	20
9	Effects of microwave pretreatments on the anaerobic digestion of food industrial sewage sludge. Environmental Progress and Sustainable Energy, 2011, 30, 486-492.	1.3	18
10	Advantages of TiO2/carbon nanotube modified photocatalytic membranes in the purification of oil-in-water emulsions. Water Science and Technology: Water Supply, 2019, 19, 1167-1174.	1.0	18
11	Coupling hydrothermal carbonization with anaerobic digestion: an evaluation based on energy recovery and hydrochar utilization. Biofuel Research Journal, 2021, 8, 1444-1453.	7.2	13
12	Ultrasonically Assisted Ultrafiltration of Whey Solution. Journal of Food Process Engineering, 2015, 38, 467-473.	1.5	10
13	Application of dielectric constant measurement in microwave sludge disintegration and wastewater purification processes. Water Science and Technology, 2018, 77, 2284-2291.	1.2	8
14	Simultaneous recovery of pectin and colorants from solid agro-wastes formed in processing of colorful berries. Progress in Agricultural Engineering Sciences, 2011, 7, 65-80.	0.5	7
15	Investigation of parameters affecting the ultrafiltration of oil-in-water emulsion wastewater. Desalination and Water Treatment, 2013, 51, 4914-4920.	1.0	7
16	Treatment of model oily waste water by microfiltration. Periodica Polytechnica: Chemical Engineering, 2013, 57, 21.	0.5	7
17	Concentration of marc extracts by membrane techniques. Desalination, 2009, 241, 265-271.	4.0	6
18	Investigation of surface and filtration properties of TiO2 coated ultrafiltration polyacrylonitrile membranes. Water Science and Technology, 2018, 77, 931-938.	1.2	6

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19	Microwave and Ultrasound Based Methods in Sludge Treatment: A Review. Applied Sciences (Switzerland), 2021, 11, 7067.	1.3	6
20	Monitoring the Process of Anaerobic Digestion of Native and Microwave Pre-Treated Sludge by Dielectric and Rheological Measurements. Water (Switzerland), 2022, 14, 1294.	1.2	6
21	Detection of the efficiency of microwaveâ€“oxidation process for meat industry wastewater by dielectric measurement. Water Science and Technology, 2018, 78, 2141-2148.	1.2	5
22	Effects of Pre-ozonation on Membrane Filtration of Oil-in-water Emulsions Using Different Polymeric (PES, PAN, PTFE) Ultrafilter Membranes. Ozone: Science and Engineering, 2020, 42, 230-243.	1.4	5
23	Improving biogas production performance of dairy activated sludge via ultrasound disruption prior to microwave disintegration. Water Science and Technology, 2020, 81, 1231-1241.	1.2	5
24	Comparison of filtering models for milk substitutes. Journal of Food Science and Technology, 2021, 58, 4429-4436.	1.4	5
25	Black pepper (Piper nigrum L.) bacterial decontamination by sterilization and microwave treatments. Analecta Technica Szegedinensia, 2019, 13, 1-5.	0.2	5
26	Effect of vibration on the efficiency of ultrafiltration. Analecta Technica Szegedinensia, 2021, 15, 37-44.	0.2	4
27	Statistical Analysis of Synthesis Parameters to Fabricate PVDF/PVP/TiO2 Membranes via Phase-Inversion with Enhanced Filtration Performance and Photocatalytic Properties. Polymers, 2022, 14, 113.	2.0	4
28	Investigation of Titanium-Dioxide Coatings on Membrane Filtration Properties. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 249-259.	0.1	3
29	Iron-Loaded Pomegranate Peel as a Bio-Adsorbent for Phosphate Removal. Water (Switzerland), 2021, 13, 2709.	1.2	3
30	Assessment of vibration amplitude and transmembrane pressure on vibratory shear enhanced membrane filtration for treating dairy wastewater. Acta Alimentaria, 2021, 50, 42-53.	0.3	2
31	Enhanced biodegradability of dairy sludge by microwave assisted alkaline and acidic pre-treatments. Review on Agriculture and Rural Development, 2020, 7, 92-97.	0.1	2
32	Microwave-alkaline treatment for enhanced disintegration and biodegradability of meat processing sludge. , 0, 98, 130-136.		2
33	Operation of energy wood plantation with special regard to harvesting technology and timber logistics. IOP Conference Series: Earth and Environmental Science, 2019, 307, 012009.	0.2	1
34	Examination of energy recovery of brewers' spent grain II. - Biological process. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 05, 268-270.	0.4	1
35	The effect of sonication and stirring on ultrafiltration of fermentation broth. Environmental Protection Engineering, 2020, 46, .	0.1	1
36	MICROWAVE ENHANCED BIODEGRADABILITY OF MEAT PROCESSING WASTEWATER SLUDGE. Environmental Engineering and Management Journal, 2017, 16, 149-155.	0.2	1

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37	Mechanical and energy examination of different agripellets. Analecta Technica Szegedinensia, 2019, 13, 40-47.	0.2	1
38	Detection of the efficiency of enzymatic hydrolysis and fermentation processes by dielectric measurement. Hungarian Agricultural Engineering, 2020, , 21-26.	0.3	1
39	The effect of hydrothermal treatment on industrial wastewater: Hungary as a case study. Progress in Agricultural Engineering Sciences, 2020, 16, 45-51.	0.5	1
40	Vibratory membrane separation for wastewater treatment. Progress in Agricultural Engineering Sciences, 2018, 14, 25-35.	0.5	0
41	FolytonosanyagtovÃ¡bbÃtÃ¡sÃº mikrohullÃ¡mÃº kezelÅ‘egysÃ©g fejlesztÃ©se. Jelenkori TÃ¡rsadalmi Ã©s GazdasÃ¡gi Folyamatok, 2013, 8, 59-63.	0.1	0
42	Correlation between dielectric properties and aerobic biodegradability of meat processing. Hungarian Agricultural Engineering, 2015, , 44-47.	0.3	0
43	Development of biodegradability indicators for microwave sludge conditioning. Hungarian Agricultural Engineering, 2015, , 42-45.	0.3	0
44	Microwave enhanced biodegradability of food industry sludge. , 2016, , .		0
45	MikrohullÃ¡mÃº kezelÃ©sek hatÃ©konysÃ¡gvizsgÃ¡lata Ã©s dielektromos mÃ©rÃ©sek alkalmazÃ¡si lehetÅ‘sÃ©gei szennyvÃz Ã©s iszapkezelÃ©s sorÃ¡n. Jelenkori TÃ¡rsadalmi Ã©s GazdasÃ¡gi Folyamatok, 2019, 12, 11-18.	0.1	0
46	MÃ©rÃ©si kÃ¶rÃ¼lmÃ©nyek hatÃ¡sÃ¡nak vizsgÃ¡lata folyadÃ©kok dielektromos jellemzÅ‘inek meghatÃ¡rozÃ¡sÃ¡nÃ¡l. Jelenkori TÃ¡rsadalmi Ã©s GazdasÃ¡gi Folyamatok, 2019, 12, 49-59.	0.1	0
47	Continuously flow microwave pre-treatment for enhanced anaerobic biodegradability of dairy industry sludge. International Journal of Environmental & Agriculture Research, 2017, 3, 12-18.	0.0	0
48	Effect of Microwave Assisted Alkali and Acidic Pre-Treatment on the Biodegradability of Dairy Sludge. Hungarian Agricultural Engineering, 2018, , 35-38.	0.3	0
49	Detection of biodegradation degree of sludge using dielectric measurement. Review on Agriculture and Rural Development, 2017, 6, 108-112.	0.1	0
50	MikrohullÃ¡mÃº energiakÃ¶zlÃ©ssel kombinÃ¡lt Fenton-eljÃ¡rÃ¡s hatÃ©konysÃ¡g-vizsgÃ¡lata a szennyvÃztisztÃtÃ¡sban. Jelenkori TÃ¡rsadalmi Ã©s GazdasÃ¡gi Folyamatok, 2019, 14, 169-176.	0.1	0
51	Intensification of cellulose enzymatic hydrolysis by microwave pretreatment. Analecta Technica Szegedinensia, 2020, 14, 89-99.	0.2	0
52	Possibilities for detection of the change of biodegradability of wastewater by dielectric constant measurements. Analecta Technica Szegedinensia, 2020, 14, 142-146.	0.2	0
53	InnovatÃv biodiesel elÅ‘Ã¡llÃtÃ¡s. Economica, 2013, 6, 118-123.	0.1	0
54	Detection of efficiency of microwave-enhanced sludge treatments by dielectric measurements. Analecta Technica Szegedinensia, 2021, 15, 53-57.	0.2	0