Jean Vaxelaire

List of Publications by Year
in descending order

32	1,934	361413 20	434195 31
papers	citations	h-index	g-index

32	32	32	1111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative study of electro-dewatering process performance for activated and digested wastewater sludge. Water Research, 2018, 129, 66-82.	11.3	71
2	Sludge conditioning prior to dewatering: Introducing drainage index as a new parameter. Environmental Technology and Innovation, 2018, 11, 286-298.	6.1	4
3	Electro-dewatering of activated sludge: Electrical resistance analysis. Water Research, 2016, 100, 194-200.	11.3	52
4	Influence of process operating parameters on dryness level and energy saving during wastewater sludge electro-dewatering. Water Research, 2016, 103, 109-123.	11.3	75
5	Fate of Nitrogen during Fluidized Incineration of Sewage Sludge. Estimation of NO and N2O Content in the Exhaust Gas. Energy & Fuels, 2015, 29, 4534-4548.	5.1	12
6	Electro-dewatering of wastewater sludge: An investigation of the relationship between filtrate flow rate and electric current. Water Research, 2015, 82, 66-77.	11.3	70
7	Compression Dewatering of Particulate Suspensions and Sludge: Effect of Shear. Drying Technology, 2014, 32, 23-29.	3.1	13
8	Electro-Dewatering of Anaerobically Digested and Activated Sludges: An Energy Aspect Analysis. Drying Technology, 2014, 32, 1091-1103.	3.1	58
9	Emission of Nitrogen Compounds by Incineration of a Wastewater Sludge Particle Under Fluidized Bed Conditions: A Numerical Approach. Waste and Biomass Valorization, 2013, 4, 181-195.	3.4	1
10	Advances in Mechanical Dewatering of Wastewater Sludge Treatment. , 2013, , 253-303.		17
11	Compression dewatering of municipal activated sludge: Effects of salt and pH. Water Research, 2012, 46, 4448-4456.	11.3	204
12	Pressurised electro-osmotic dewatering of activated and anaerobically digested sludges: Electrical variables analysis. Water Research, 2012, 46, 4405-4416.	11.3	84
13	Electro-dewatering of wastewater sludge: Influence of the operating conditions and their interactions effects. Water Research, 2011, 45, 2795-2810.	11.3	175
14	Activated sludge dewatering in a filtration compression cell: deviations in comparison to the classical theory. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 785-790.	1.5	3
15	Experimental characterisation of activated sludge behaviour during mechanical expression. Chemical Engineering Research and Design, 2010, 88, 200-206.	5.6	19
16	Electrical field: A historical review of its application and contributions in wastewater sludge dewatering. Water Research, 2010, 44, 2381-2407.	11.3	289
17	Modelling of Cake Filtration: An Overview. Separation Science and Technology, 2007, 42, 1667-1700.	2.5	39
18	Incineration of a small particle of wet sewage sludge: A numerical comparison between two states of the surrounding atmosphere. Journal of Hazardous Materials, 2007, 147, 871-882.	12.4	20

#	Article	IF	Citations
19	Enhanced expression of filter cakes using a local thermal supply. Separation and Purification Technology, 2007, 57, 321-328.	7.9	25
20	Use of a transient model to simulate fluidized bed incineration of sewage sludge. Journal of Hazardous Materials, 2006, 135, 200-209.	12.4	19
21	Conditioning for Municipal Sludge Dewatering. From Filtration Compression Cell Tests to Belt Press. Drying Technology, 2006, 24, 1225-1233.	3.1	45
22	Municipal sludge dewatering by belt filter press: effect of operating parameters. Journal of Chemical Technology and Biotechnology, 2005, 80, 948-953.	3.2	8
23	Gravity drainage of activated sludge: from laboratory experiments to industrial process. Journal of Chemical Technology and Biotechnology, 2004, 79, 461-467.	3.2	20
24	The Prediction of Filter Belt Press Dewatering Efficiency for Activated Sludge By Experimentation on Filtration Compression Cells. Environmental Technology (United Kingdom), 2004, 25, 1423-1430.	2.2	11
25	Transfer Phenomena During the Drying of a Shrinkable Product: Modeling and Simulation. Drying Technology, 2004, 22, 91-109.	3.1	42
26	Moisture distribution in activated sludges: a review. Water Research, 2004, 38, 2215-2230.	11.3	319
27	Liquid Pressure Measurement in Filtrationâ€“Compression Cell. Separation Science and Technology, 2003, 38, 1051-1068.	2.5	6
28	ANALYSIS OF THE DRYING OF RESIDUAL SLUDGE: FROM THE EXPERIMENT TO THE SIMULATION OF A BELT DRYER. Drying Technology, 2002, 20, 989-1008.	3.1	52
29	Moisture sorption characteristics of waste activated sludge. Journal of Chemical Technology and Biotechnology, 2001, 76, 377-382.	3.2	35
30	Desorption Isotherms of Domestic Activated Sludge. Environmental Technology (United Kingdom), 2000, 21, 327-335.	2.2	21
31	Thermal drying of residual sludge. Water Research, 2000, 34, 4318-4323.	11.3	90
32	Mechanical Dewatering and Thermal Drying of Residual Sludge. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	35