

J Keller

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

7,121
citations

172207

29
h-index

253896

43
g-index

46
all docs

46
docs citations

46
times ranked

5923
citing authors

#	ARTICLE	IF	CITATIONS
1	The IWA Anaerobic Digestion Model No 1 (ADM1). <i>Water Science and Technology</i> , 2002, 45, 65-73.	1.2	1,582
2	Advances in enhanced biological phosphorus removal: From micro to macro scale. <i>Water Research</i> , 2007, 41, 2271-2300.	5.3	998
3	Identification of Polyphosphate-Accumulating Organisms and Design of 16S rRNA-Directed Probes for Their Detection and Quantitation. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1175-1182.	1.4	691
4	Bacterial community structures of phosphate-removing and non-phosphate-removing activated sludges from sequencing batch reactors. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1910-1916.	1.4	429
5	Ozonation and biological activated carbon filtration of wastewater treatment plant effluents. <i>Water Research</i> , 2012, 46, 863-872.	5.3	297
6	Platforms for energy and nutrient recovery from domestic wastewater: A review. <i>Chemosphere</i> , 2015, 140, 2-11.	4.2	295
7	Removal of micropollutants and reduction of biological activity in a full scale reclamation plant using ozonation and activated carbon filtration. <i>Water Research</i> , 2010, 44, 625-637.	5.3	280
8	Biofiltration of wastewater treatment plant effluent: Effective removal of pharmaceuticals and personal care products and reduction of toxicity. <i>Water Research</i> , 2011, 45, 2751-2762.	5.3	210
9	Identification of Some of the Major Groups of Bacteria in Efficient and Nonefficient Biological Phosphorus Removal Activated Sludge Systems. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4077-4084.	1.4	202
10	Reducing sewer corrosion through integrated urban water management. <i>Science</i> , 2014, 345, 812-814.	6.0	194
11	Modelling of two-stage anaerobic digestion using the IWA Anaerobic Digestion Model No. 1 (ADM1). <i>Water Research</i> , 2005, 39, 171-183.	5.3	187
12	The influence of substrate kinetics on the microbial community structure in granular anaerobic biomass. <i>Water Research</i> , 2004, 38, 1390-1404.	5.3	155
13	Microbiology of a Nitrite-Oxidizing Bioreactor. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1878-1883.	1.4	154
14	The effect of GAOs (glycogen accumulating organisms) on anaerobic carbon requirements in full-scale Australian EBPR (enhanced biological phosphorus removal) plants. <i>Water Science and Technology</i> , 2003, 47, 37-43.	1.2	136
15	Variation of bulk properties of anaerobic granules with wastewater type. <i>Water Research</i> , 2001, 35, 1723-1729.	5.3	133
16	Spontaneous electrochemical removal of aqueous sulfide. <i>Water Research</i> , 2008, 42, 4965-4975.	5.3	120
17	Industrial applications of the IWA anaerobic digestion model No. 1 (ADM1). <i>Water Science and Technology</i> , 2003, 47, 199-206.	1.2	114
18	A review of ADM1 extensions, applications, and analysis: 2002â€“2005. <i>Water Science and Technology</i> , 2006, 54, 1-10.	1.2	109

#	ARTICLE	IF	CITATIONS
19	Monitoring the biological activity of micropollutants during advanced wastewater treatment with ozonation and activated carbon filtration. <i>Water Research</i> , 2010, 44, 477-492.	5.3	109
20	Optimisation of Noosa BNR plant to improve performance and reduce operating costs. <i>Water Science and Technology</i> , 2003, 47, 141-148.	1.2	103
21	Removal of micropollutants during tertiary wastewater treatment by biofiltration: Role of nitrifiers and removal mechanisms. <i>Water Research</i> , 2014, 54, 89-99.	5.3	101
22	Short-term effects of carbon source on the competition of polyphosphate accumulating organisms and glycogen accumulating organisms. <i>Water Science and Technology</i> , 2004, 50, 139-144.	1.2	73
23	The influence of calcium on granular sludge in a full-scale UASB treating paper mill wastewater. <i>Water Science and Technology</i> , 2002, 45, 187-193.	1.2	50
24	Microbial quantification in activated sludge: the hits and misses. <i>Water Science and Technology</i> , 2003, 48, 121-126.	1.2	50
25	Effects of solids concentration, pH and carbon addition on the production rate and composition of volatile fatty acids in prefermenters using primary sewage sludge. <i>Water Science and Technology</i> , 2006, 53, 263-269.	1.2	40
26	Nitrogen removal of high strength wastewater via nitritation/denitritation using a sequencing batch reactor. <i>Water Science and Technology</i> , 2004, 50, 27-33.	1.2	39
27	Investigating the role of adsorption and biodegradation in the removal of organic micropollutants during biological activated carbon filtration of treated wastewater. <i>Journal of Water Reuse and Desalination</i> , 2012, 2, 127-139.	1.2	38
28	Suspended carrier technology allows upgrading high-rate activated sludge plants for nitrogen removal via process intensification. <i>Water Science and Technology</i> , 2000, 41, 5-12.	1.2	35
29	Exceptionally high-rate nitrification in sequencing batch reactors treating high ammonia landfill leachate. <i>Water Science and Technology</i> , 2001, 43, 315-322.	1.2	29
30	Comparison of methods for the determination of KLaO2 for respirometric measurements. <i>Water Science and Technology</i> , 2004, 50, 153-161.	1.2	25
31	Microbial Fuel Cells. , 2011, , 641-665.		22
32	The development and use of real-time PCR for the quantification of nitrifiers in activated sludge. <i>Water Science and Technology</i> , 2002, 46, 267-272.	1.2	21
33	A novel electrochemical process for the recovery and recycling of ferric chloride from precipitation sludge. <i>Water Research</i> , 2014, 51, 96-103.	5.3	18
34	Integrated control of nitrate recirculation and external carbon addition in a predenitrification system. <i>Water Science and Technology</i> , 2004, 48, 345-354.	1.2	15
35	Fluorescence in situ hybridization analysis of nitrifiers in piggery wastewater treatment reactors. <i>Water Science and Technology</i> , 2004, 49, 333-340.	1.2	12
36	Structure and microbial composition of nitrifying microbial aggregates and their relation to internal mass transfer effects. <i>Water Science and Technology</i> , 2004, 50, 213-220.	1.2	11

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37	Full-scale demonstration of biological nutrient removal in a single tank SBR process. <i>Water Science and Technology</i> , 2001, 43, 355-62.	1.2	11
38	Eco-physiological characterization of fluorescence in situ hybridization probe-targeted denitrifiers in activated sludge using culture-independent methods. <i>Letters in Applied Microbiology</i> , 2007, 44, 399-405.	1.0	9
39	Investigation of membrane processes for the removal of volatile fatty acids. <i>Water Science and Technology</i> , 2003, 47, 191-198.	1.2	7
40	Identifying novel wastewater treatment options through optimal technology integration. <i>Water Practice and Technology</i> , 2015, 10, 496-504.	1.0	5
41	Greenhouse gas production in wastewater treatment: process selection is the major factor. <i>Water Science and Technology</i> , 2003, 47, 43-8.	1.2	5
42	Integration of titrimetric measurement, off-gas analysis and NOxâ biosensors to investigate the complexity of denitrification processes. <i>Water Science and Technology</i> , 2004, 50, 135-141.	1.2	4
43	Characterisation of high-rate acidogenesis processes using a titration and off-gas analysis sensor. <i>Water Science and Technology</i> , 2005, 52, 413-418.	1.2	2
44	Rate of nitrate production during a two-stage nitrification batch reaction. <i>Water Science and Technology</i> , 2004, 50, 81-87.	1.2	1
45	Improving titrimetric techniques by modelling pH change in activated sludge systems. <i>Water Science and Technology</i> , 2003, 47, 259-265.	1.2	0
46	Combined hydraulic and biological modelling and full-scale validation of SBR process. <i>Water Science and Technology</i> , 2002, 45, 219-28.	1.2	0