Michael Sievers

List of Publications by Year
in descending order

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36	724	623734	552781
papers	citations	14 h-index	26 g-index

39	39	39	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrasonic cell disruption of stabilised sludge with subsequent anaerobic digestion. Ultrasonics, 2002, 40, 31-35.	3.9	111
2	Improvement of biological activity by low energy ultrasound assisted bioreactors. Ultrasonics, 2000, 38, 711-716.	3.9	81
3	Electrochemical Reactors for Wastewater Treatment. ChemBioEng Reviews, 2019, 6, 142-156.	4.4	74
4	Ultrasound stimulation of micro-organisms for enhanced biodegradation. Ultrasonics, 2002, 40, 25-29.	3.9	64
5	Advanced Oxidation Processes. , 2011, , 377-408.		56
6	Sludge treatment by ozonation Ã•evaluation of full-scale results. Water Science and Technology, 2004, 49, 247-253.	2.5	55
7	Evaluation of Microbial Fuel Cells with Graphite Plus MnO₂and MoS₂Paints as Oxygen Reduction Cathode Catalyst. Journal of the Electrochemical Society, 2017, 164, H3083-H3090.	2.9	31
8	Improved Operating Parameters for Hydrogen Peroxideâ€Generating Gas Diffusion Electrodes. Chemie-Ingenieur-Technik, 2020, 92, 505-512.	0.8	22
9	An overview of the integration of ozone systems in biological treatment steps. Water Science and Technology, 2007, 55, 253-258.	2.5	20
10	Evaluation of a new electrochemical concept for vacuum toilet wastewater treatment â€“ Comparison with ozonation and peroxone processes. Electrochemistry Communications, 2019, 101, 115-119.	4.7	19
11	Pre-nitrification by encapsulated nitrifiers - a possibility for self-sufficient energy operation of domestic WWTPs. Water Science and Technology, 2003, 47, 173-180.	2.5	18
12	Fluid dynamics in an impinging-stream reactor. Chemical Engineering and Processing: Process Intensification, 1995, 34, 115-119.	3.6	17
13	Avoidance of Chlorine Formation during Electrolysis at Boron-Doped Diamond Anodes in Highly Sodium Chloride Containing and Organic-Polluted Wastewater. Journal of the Electrochemical Society, 2018, 165, J3281-J3287.	2.9	16
14	Improved Sludge Dewaterability for Sequential Ozonation â€“ Aerobic Treatment. Ozone: Science and Engineering, 2010, 32, 252-258.	2.5	15
15	Advanced nitrogen elimination by encapsulated nitrifiers. Water Science and Technology, 2003, 48, 19-26.	2.5	14
16	Effect of Ozonation on Biodegradability Characteristics of Surplus Activated Sludge. Ozone: Science and Engineering, 2007, 29, 191-199.	2.5	14
17	Improving the Treatment Efficiency and Lowering the Operating Costs of Electrochemical Advanced Oxidation Processes. Processes, 2021, 9, 1482.	2.8	13
18	Graphite/MnO₂and MoS₂Composites Used as Catalysts in the Oxygen Reduction Cathode of Microbial Fuel Cells. Journal of the Electrochemical Society, 2017, 164, E519-E524.	2.9	11

#	Article	IF	Citations
19	Effect of ozone pre-treatment on sludge production of aerobic digestion processes. International Journal of Sustainable Engineering, 2011, 4, 181-189.	3.5	10
20	Sludge Dewatering and Aggregate Formation Effects through Taylor Vortex Assisted Flocculation. Separation Science and Technology, 2008, 43, 1595-1609.	2.5	8
21	Elektrochemische Reaktoren fÃ¼r die Wasserbehandlung. Chemie-Ingenieur-Technik, 2019, 91, 769-785.	0.8	8
22	Integration of Upscaled Microbial Fuel Cells in Real Municipal Sewage Plants. ECS Transactions, 2017, 77, 1053-1077.	0.5	7
23	Combination of magnetically actuated flexible graphiteâ€“polymer composite cathode and boron-doped diamond anode for electrochemical water softening or wastewater treatment. Electrochimica Acta, 2020, 354, 136729.	5.2	7
24	Investigation and Improvement of Scalable Oxygen Reducing Cathodes for Microbial Fuel Cells by Spray Coating. Processes, 2020, 8, 11.	2.8	7
25	Automation in sludge dewatering by novel on-line characterisation of flocculation. Water Science and Technology, 2003, 47, 157-164.	2.5	5
26	The impact of sequential ozonation â€“ aerobic treatment on the enhancement of sludge dewaterability. Water Science and Technology, 2007, 55, 201-205.	2.5	5
27	Optimized Process Conditions for Hydrogen Peroxide Generating Gas Diffusion Electrodes. ECS Transactions, 2018, 86, 41-53.	0.5	5
28	Evaluation of Microbial Fuel Cells with Graphite/MnO ₂ and MoS ₂ Composite Oxygen Reduction Cathode Catalyst with Different Supports and Producing Methods. ECS Transactions, 2017, 77, 1043-1051.	0.5	3
29	Aggregate characterisation by using the FlocFormer system to improve sludge dewatering. Water Science and Technology, 2009, 59, 2009-2015.	2.5	2
30	Simple Catalytic Approach for Removal of Analytical Interferences Caused by Hydrogen Peroxide in a Standard Chemical Oxygen Demand Test. Journal of Environmental Engineering, ASCE, 2021, 147, 04021059.	1.4	2
31	Dynamic simulation of wastewater treatment: the process of nitrification. Simulation Modelling Practice and Theory, 1997, 5, 689-700.	0.3	1
32	Centrifugal Flotation Applied to the Separation of Oil and Fat from Wastewater. Engineering in Life Sciences, 2003, 3, 61-65.	3.6	1
33	Ozonation of pentylacetate contaminated waters from textile care industry. Obras Y Proyectos, 2013, , 41-45.	0.2	1
34	Stickstoffelimination unter Nutzung der Belebtschlammadsorption. Chemie-Ingenieur-Technik, 1995, 67, 347-349.	0.8	0
35	Effects of Fentonâ€™s reagent and thermal modification on the electrochemical properties of graphite felt for microbial fuel cell. Research on Chemical Intermediates, 2018, 44, 639-655.	2.7	0
36	Zentrifugalflotation als Behandlungsverfahren zur Abtrennung von Ã–len und Fetten aus AbwÃssern. Chemie-Ingenieur-Technik, 2002, 74, 494-500.	0.8	0