

Michael Sievers

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

724
citations

623734

14
h-index

552781

26
g-index

39
all docs

39
docs citations

39
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Treatment Efficiency and Lowering the Operating Costs of Electrochemical Advanced Oxidation Processes. <i>Processes</i> , 2021, 9, 1482.	2.8	13
2	Simple Catalytic Approach for Removal of Analytical Interferences Caused by Hydrogen Peroxide in a Standard Chemical Oxygen Demand Test. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, 04021059.	1.4	2
3	Combination of magnetically actuated flexible graphite-polymer composite cathode and boron-doped diamond anode for electrochemical water softening or wastewater treatment. <i>Electrochimica Acta</i> , 2020, 354, 136729.	5.2	7
4	Improved Operating Parameters for Hydrogen Peroxide-Generating Gas Diffusion Electrodes. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 505-512.	0.8	22
5	Investigation and Improvement of Scalable Oxygen Reducing Cathodes for Microbial Fuel Cells by Spray Coating. <i>Processes</i> , 2020, 8, 11.	2.8	7
6	Electrochemical Reactors for Wastewater Treatment. <i>ChemBioEng Reviews</i> , 2019, 6, 142-156.	4.4	74
7	Elektrochemische Reaktoren für die Wasserbehandlung. <i>Chemie-Ingenieur-Technik</i> , 2019, 91, 769-785.	0.8	8
8	Evaluation of a new electrochemical concept for vacuum toilet wastewater treatment – Comparison with ozonation and peroxone processes. <i>Electrochemistry Communications</i> , 2019, 101, 115-119.	4.7	19
9	Effects of Fenton's reagent and thermal modification on the electrochemical properties of graphite felt for microbial fuel cell. <i>Research on Chemical Intermediates</i> , 2018, 44, 639-655.	2.7	0
10	Avoidance of Chlorine Formation during Electrolysis at Boron-Doped Diamond Anodes in Highly Sodium Chloride Containing and Organic-Polluted Wastewater. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3281-J3287.	2.9	16
11	Optimized Process Conditions for Hydrogen Peroxide Generating Gas Diffusion Electrodes. <i>ECS Transactions</i> , 2018, 86, 41-53.	0.5	5
12	Evaluation of Microbial Fuel Cells with Graphite Plus MnO ₂ and MoS ₂ Paints as Oxygen Reduction Cathode Catalyst. <i>Journal of the Electrochemical Society</i> , 2017, 164, H3083-H3090.	2.9	31
13	Evaluation of Microbial Fuel Cells with Graphite/MnO ₂ and MoS ₂ Composite Oxygen Reduction Cathode Catalyst with Different Supports and Producing Methods. <i>ECS Transactions</i> , 2017, 77, 1043-1051.	0.5	3
14	Integration of Upscaled Microbial Fuel Cells in Real Municipal Sewage Plants. <i>ECS Transactions</i> , 2017, 77, 1053-1077.	0.5	7
15	Graphite/MnO ₂ and MoS ₂ Composites Used as Catalysts in the Oxygen Reduction Cathode of Microbial Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, E519-E524.	2.9	11
16	Ozonation of pentylacetate contaminated waters from textile care industry. <i>Obras Y Proyectos</i> , 2013, , 41-45.	0.2	1
17	Advanced Oxidation Processes. , 2011, , 377-408.		56
18	Effect of ozone pre-treatment on sludge production of aerobic digestion processes. <i>International Journal of Sustainable Engineering</i> , 2011, 4, 181-189.	3.5	10

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19	Improved Sludge Dewaterability for Sequential Ozonation " Aerobic Treatment. <i>Ozone: Science and Engineering</i> , 2010, 32, 252-258.	2.5	15
20	Aggregate characterisation by using the FlocFormer system to improve sludge dewatering. <i>Water Science and Technology</i> , 2009, 59, 2009-2015.	2.5	2
21	Sludge Dewatering and Aggregate Formation Effects through Taylor Vortex Assisted Flocculation. <i>Separation Science and Technology</i> , 2008, 43, 1595-1609.	2.5	8
22	An overview of the integration of ozone systems in biological treatment steps. <i>Water Science and Technology</i> , 2007, 55, 253-258.	2.5	20
23	The impact of sequential ozonation " aerobic treatment on the enhancement of sludge dewaterability. <i>Water Science and Technology</i> , 2007, 55, 201-205.	2.5	5
24	Effect of Ozonation on Biodegradability Characteristics of Surplus Activated Sludge. <i>Ozone: Science and Engineering</i> , 2007, 29, 191-199.	2.5	14
25	Sludge treatment by ozonation - evaluation of full-scale results. <i>Water Science and Technology</i> , 2004, 49, 247-253.	2.5	55
26	Centrifugal Flotation Applied to the Separation of Oil and Fat from Wastewater. <i>Engineering in Life Sciences</i> , 2003, 3, 61-65.	3.6	1
27	Automation in sludge dewatering by novel on-line characterisation of flocculation. <i>Water Science and Technology</i> , 2003, 47, 157-164.	2.5	5
28	Advanced nitrogen elimination by encapsulated nitrifiers. <i>Water Science and Technology</i> , 2003, 48, 19-26.	2.5	14
29	Pre-nitrification by encapsulated nitrifiers - a possibility for self-sufficient energy operation of domestic WWTPs. <i>Water Science and Technology</i> , 2003, 47, 173-180.	2.5	18
30	Ultrasound stimulation of micro-organisms for enhanced biodegradation. <i>Ultrasonics</i> , 2002, 40, 25-29.	3.9	64
31	Ultrasonic cell disruption of stabilised sludge with subsequent anaerobic digestion. <i>Ultrasonics</i> , 2002, 40, 31-35.	3.9	111
32	Zentrifugalfлотation als Behandlungsverfahren zur Abtrennung von -len und Fetten aus Abw-ssern. <i>Chemie-Ingenieur-Technik</i> , 2002, 74, 494-500.	0.8	0
33	Improvement of biological activity by low energy ultrasound assisted bioreactors. <i>Ultrasonics</i> , 2000, 38, 711-716.	3.9	81
34	Dynamic simulation of wastewater treatment: the process of nitrification. <i>Simulation Modelling Practice and Theory</i> , 1997, 5, 689-700.	0.3	1
35	Stickstoffelimination unter Nutzung der Belebtschlammadsorption. <i>Chemie-Ingenieur-Technik</i> , 1995, 67, 347-349.	0.8	0
36	Fluid dynamics in an impinging-stream reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 1995, 34, 115-119.	3.6	17