

Joshua P Boltz

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

526
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving Bed Biofilm Reactor Technology: Process Applications, Design, and Performance. <i>Water Environment Research</i> , 2011, 83, 560-575.	2.7	126
2	Effects of integrated fixed film activated sludge media on activated sludge settling in biological nutrient removal systems. <i>Water Research</i> , 2010, 44, 1553-1561.	11.3	94
3	From biofilm ecology to reactors: a focused review. <i>Water Science and Technology</i> , 2017, 75, 1753-1760.	2.5	79
4	Modeling Integrated Fixed-Film Activated Sludge and Moving-Bed Biofilm Reactor Systems I: Mathematical Treatment and Model Development. <i>Water Environment Research</i> , 2009, 81, 555-575.	2.7	52
5	Comparison of Conventional and Integrated Fixed-Film Activated Sludge Systems: Attached and Suspended Growth Functions and Quantitative Polymerase Chain Reaction Measurements. <i>Water Environment Research</i> , 2011, 83, 627-635.	2.7	43
6	A framework for good biofilm reactor modeling practice (GBRMP). <i>Water Science and Technology</i> , 2018, 77, 1149-1164.	2.5	32
7	Predicting N ₂ O emissions from nitrifying and denitrifying biofilms: a modeling study. <i>Water Science and Technology</i> , 2017, 75, 530-538.	2.5	23
8	Method to identify potential phosphorus rate-limiting conditions in post-denitrification biofilm reactors within systems designed for simultaneous low-level effluent nitrogen and phosphorus concentrations. <i>Water Research</i> , 2012, 46, 6228-6238.	11.3	20
9	Kinetics of Particulate Organic Matter Removal as a Response to Biofloculation in Aerobic Biofilm Reactors. <i>Water Environment Research</i> , 2007, 79, 725-735.	2.7	18
10	Modeling Integrated Fixed-Film Activated Sludge and Moving-Bed Biofilm Reactor Systems II: Evaluation. <i>Water Environment Research</i> , 2009, 81, 576-586.	2.7	15
11	The Role of Biofloculation on Suspended Solids and Particulate COD Removal in the Trickling Filter Process. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 506-513.	1.4	10
12	Biofilm carrier migration model describes reactor performance. <i>Water Science and Technology</i> , 2017, 75, 2818-2828.	2.5	10
13	A Model for Simultaneous Particulate and Dissolved Substrate Removal in a Biofilm Reactor. <i>Environmental Engineering Science</i> , 2006, 23, 886-896.	1.6	2
14	Questions and Answers About Integrated Fixed-Film/Activated Sludge (IFAS) in a BNR Pilot Plant. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 143-154.	0.0	1
15	Expanded Process Model Describes Biomass Distribution, Free-Ammonia/Nitrous Acid Inhibition and Competition between Ammonia Oxidizing Bacteria (AOB) and Nitrite Oxidizing Bacteria (NOB) in Submerged Biofilm and Integrated Fixed Film Activated Sludge (IFAS) Bioreactors. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 187-206.	0.0	1