

Jose A Jimenez

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

739
citations

623188

14
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	High-rate activated sludge system for carbon management – Evaluation of crucial process mechanisms and design parameters. <i>Water Research</i> , 2015, 87, 476-482.	5.3	192
2	Bioflocculation management through high-rate contact-stabilization: A promising technology to recover organic carbon from low-strength wastewater. <i>Water Research</i> , 2016, 104, 485-496.	5.3	88
3	A-stage and high-rate contact-stabilization performance comparison for carbon and nutrient redirection from high-strength municipal wastewater. <i>Chemical Engineering Journal</i> , 2019, 357, 737-749.	6.6	48
4	Kinetics of Removal of Particulate Chemical Oxygen Demand in the Activated-Sludge Process. <i>Water Environment Research</i> , 2005, 77, 437-446.	1.3	45
5	Source Separation of Urine as an Alternative Solution to Nutrient Management in Biological Nutrient Removal Treatment Plants. <i>Water Environment Research</i> , 2015, 87, 2120-2129.	1.3	40
6	Modeling of organic substrate transformation in the high-rate activated sludge process. <i>Water Science and Technology</i> , 2015, 71, 971-979.	1.2	33
7	Modelling gas-liquid mass transfer in wastewater treatment: when current knowledge needs to encounter engineering practice and vice versa. <i>Water Science and Technology</i> , 2019, 80, 607-619.	1.2	32
8	Impact of aerobic famine and feast condition on extracellular polymeric substance production in high-rate contact stabilization systems. <i>Chemical Engineering Journal</i> , 2017, 328, 74-86.	6.6	31
9	The future of WRRF modelling – outlook and challenges. <i>Water Science and Technology</i> , 2019, 79, 3-14.	1.2	31
10	Moving forward with A-stage and high-rate contact-stabilization for energy efficient water resource recovery facility: Mechanisms, factors, practical approach, and guidelines. <i>Journal of Water Process Engineering</i> , 2020, 36, 101329.	2.6	23
11	Methods for quantification of biosorption in high-rate activated sludge systems. <i>Biochemical Engineering Journal</i> , 2017, 128, 33-44.	1.8	22
12	Effect of Operational Parameters on the Removal of Particulate Chemical Oxygen Demand in the Activated Sludge Process. <i>Water Environment Research</i> , 2007, 79, 984-990.	1.3	20
13	WEF/WERF study of BNR plants achieving very low N and P limits: evaluation of technology performance and process reliability. <i>Water Science and Technology</i> , 2012, 65, 808-815.	1.2	19
14	Integrated fermentation and anaerobic digestion of primary sludges for simultaneous resource and energy recovery: Impact of volatile fatty acids recovery. <i>Waste Management</i> , 2020, 118, 341-349.	3.7	19
15	Operational and structural A-stage improvements for high-rate carbon removal. <i>Water Environment Research</i> , 2020, 92, 1983-1989.	1.3	16
16	Rethinking growth and decay kinetics in activated sludge – towards a new adaptive kinetics approach. <i>Water Science and Technology</i> , 2017, 75, 501-506.	1.2	14
17	Nitrite-shunt and biological phosphorus removal at low dissolved oxygen in a full-scale high-rate system at warm temperatures. <i>Water Environment Research</i> , 2020, 92, 1111-1122.	1.3	11
18	Colloids, flocculation and carbon capture – a comprehensive plant-wide model. <i>Water Science and Technology</i> , 2019, 79, 15-25.	1.2	10

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19	The effect of air-induced velocity gradient and dissolved oxygen on bioflocculation in the trickling filter/solids contact process. <i>Journal of Environmental Management</i> , 2003, 7, 441-451.	1.7	8
20	The Effect of Degree of Recycle on the Nitrifier Growth Rate. <i>Water Environment Research</i> , 2011, 83, 26-35.	1.3	8
21	Soluble substrate removal determination through intracellular storage in high-rate activated sludge systems using stoichiometric mass balance approach. <i>New Biotechnology</i> , 2019, 52, 84-93.	2.4	8
22	Mechanisms of COD removal in the adsorption stage of the A/B process. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 2472-2481.	0.0	5
23	Is Nitrite-Shunt Happening in the System? Are Nob Repressed?. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 1360-1374.	0.0	5
24	A proof-of-concept experimental study for vacuum-driven anaerobic biosolids fermentation using the IntensiCarb technology. <i>Water Environment Research</i> , 2022, 94, e10694.	1.3	5
25	Mainstream short-cut N removal modelling: current status and perspectives. <i>Water Science and Technology</i> , 2022, 85, 2539-2564.	1.2	5
26	Reply for comment on "Bioflocculation management through high-rate contact-stabilization: A promising technology to recover organic carbon from low-strength wastewater by Rahman, A., Meerburg, F. A., Ravadagundhi, S., Wett, B., Jimenez, J., Bott, C., Al-Omari, A., Riffat, R., Murthy, S. and De Clippeleir, H. [<i>Water Research</i> 104 (2016) 485-496]". <i>Water Research</i> , 2017, 126, 527-529.	5.3	1