Jose A Jimenez

List of Publications by Year
in descending order

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	A proofâ€ofâ€concept experimental study for vacuumâ€driven anaerobic biosolids fermentation using the IntensiCarb technology. Water Environment Research, 2022, 94, e10694.	1.3	5
2	Mainstream short-cut N removal modelling: current status and perspectives. Water Science and Technology, 2022, 85, 2539-2564.	1.2	5
3	Integrated fermentation and anaerobic digestion of primary sludges for simultaneous resource and energy recovery: Impact of volatile fatty acids recovery. Waste Management, 2020, 118, 341-349.	3.7	19
4	Operational and structural Aâ€stage improvements for highâ€rate carbon removal. Water Environment Research, 2020, 92, 1983-1989.	1.3	16
5	Moving forward with A-stage and high-rate contact-stabilization for energy efficient water resource recovery facility: Mechanisms, factors, practical approach, and guidelines. Journal of Water Process Engineering, 2020, 36, 101329.	2.6	23
6	Nitriteâ€shunt and biological phosphorus removal at low dissolved oxygen in a fullâ€scale highâ€rate system at warm temperatures. Water Environment Research, 2020, 92, 1111-1122.	1.3	11
7	Modelling gasâ€"liquid mass transfer in wastewater treatment: when current knowledge needs to encounter engineering practice and vice versa. Water Science and Technology, 2019, 80, 607-619.	1.2	32
8	Soluble substrate removal determination through intracellular storage in high-rate activated sludge systems using stoichiometric mass balance approach. New Biotechnology, 2019, 52, 84-93.	2.4	8
9	Colloids, flocculation and carbon capture â€" a comprehensive plant-wide model. Water Science and Technology, 2019, 79, 15-25.	1.2	10
10	The future of WRRF modelling â€" outlook and challenges. Water Science and Technology, 2019, 79, 3-14.	1.2	31
11	A-stage and high-rate contact-stabilization performance comparison for carbon and nutrient redirection from high-strength municipal wastewater. Chemical Engineering Journal, 2019, 357, 737-749.	6.6	48
12	Rethinking growth and decay kinetics in activated sludge â€" towards a new adaptive kinetics approach. Water Science and Technology, 2017, 75, 501-506.	1.2	14
13	Methods for quantification of biosorption in high-rate activated sludge systems. Biochemical Engineering Journal, 2017, 128, 33-44.	1.8	22
14	Reply for comment on â€œBioflocculation 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. [Water Research 104 (2016) 485â€"496]â€. Water Research, 2017, 126, 527-529.	5.3	1
15	Impact of aerobic famine and feast condition on extracellular polymeric substance production in high-rate contact stabilization systems. Chemical Engineering Journal, 2017, 328, 74-86.	6.6	31
16	Bioflocculation management through high-rate contact-stabilization: A promising technology to recover organic carbon from low-strength wastewater. Water Research, 2016, 104, 485-496.	5.3	88
17	Source Separation of Urine as an Alternative Solution to Nutrient Management in Biological Nutrient Removal Treatment Plants. Water Environment Research, 2015, 87, 2120-2129.	1.3	40
18	Modeling of organic substrate transformation in the high-rate activated sludge process. Water Science and Technology, 2015, 71, 971-979.	1.2	33

#	Article	IF	Citations
19	High-rate activated sludge system for carbon management â€“ Evaluation of crucial process mechanisms and design parameters. Water Research, 2015, 87, 476-482.	5.3	192
20	Is Nitrite-Shunt Happening in the System? Are Nob Repressed?. Proceedings of the Water Environment Federation, 2015, 2015, 1360-1374.	0.0	5
21	Mechanisms of COD removal in the adsorption stage of the A/B process. Proceedings of the Water Environment Federation, 2013, 2013, 2472-2481.	0.0	5
22	WEF/WERF study of BNR plants achieving very low N and P limits: evaluation of technology performance and process reliability. Water Science and Technology, 2012, 65, 808-815.	1.2	19
23	The Effect of Degree of Recycle on the Nitrifier Growth Rate. Water Environment Research, 2011, 83, 26-35.	1.3	8
24	Effect of Operational Parameters on the Removal of Particulate Chemical Oxygen Demand in the Activated Sludge Process. Water Environment Research, 2007, 79, 984-990.	1.3	20
25	Kinetics of Removal of Particulate Chemical Oxygen Demand in the Activated-Sludge Process. Water Environment Research, 2005, 77, 437-446.	1.3	45
26	The effect of air-induced velocity gradient and dissolved oxygen on bioflocculation in the trickling filter/solids contact process. Journal of Environmental Management, 2003, 7, 441-451.	1.7	8