

# Alberto Ordaz

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

240  
citations

933447

10  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Airlift bioreactors for hydrocarbon water pollution remediation in a tourism development pole. <i>Desalination and Water Treatment</i> , 2015, 54, 44-49.	1.0	27
2	A microrespirometric method for the determination of stoichiometric and kinetic parameters of heterotrophic and autotrophic cultures. <i>Biochemical Engineering Journal</i> , 2014, 83, 70-78.	3.6	20
3	<i>K<sub>L</sub></i> measurement in two-phase partitioning bioreactors: new insights on potential errors at low power input. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1407-1412.	3.2	19
4	Assessment of methane biodegradation kinetics in two-phase partitioning bioreactors by pulse respirometry. <i>Water Research</i> , 2014, 67, 46-54.	11.3	19
5	Enhanced sulfate reduction and trichloroethylene (TCE) biodegradation in a UASB reactor operated with a sludge developed from hydrothermal vents sediments: Process and microbial ecology. <i>International Biodeterioration and Biodegradation</i> , 2014, 94, 182-191.	3.9	19
6	Kinetic and stoichiometric parameters estimation in a nitrifying bubble column through <i>in-situ</i> pulse respirometry. <i>Biotechnology and Bioengineering</i> , 2008, 100, 94-102.	3.3	16
7	Kinetic and stoichiometric characterization of a fixed biofilm reactor by pulse respirometry. <i>Journal of Biotechnology</i> , 2012, 157, 173-179.	3.8	15
8	Comparison of static and dynamic respirometry for the determination of stoichiometric and kinetic parameters of a nitrifying process. <i>Biodegradation</i> , 2013, 24, 675-684.	3.0	15
9	In situ pulse respirometric methods for the estimation of kinetic and stoichiometric parameters in aerobic microbial communities. <i>Biochemical Engineering Journal</i> , 2011, 58-59, 12-19.	3.6	14
10	High Sulfate Reduction Efficiency in a UASB Using an Alternative Source of Sulfidogenic Sludge Derived from Hydrothermal Vent Sediments. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2919-2940.	2.9	13
11	Trichloroethylene (TCE) biodegradation and its effect on sulfate reducing activity in enriched sulfidogenic cultures proveniente from a UASB maintained at 20°C. <i>International Biodeterioration and Biodegradation</i> , 2013, 83, 92-96.	3.9	10
12	New insights on O <sub>2</sub> uptake mechanisms in two-phase partitioning bioreactors. <i>Biotechnology Letters</i> , 2010, 32, 223-228.	2.2	8
13	Determination of apparent kinetic and stoichiometric parameters in a nitrifying fixed-bed reactor by in situ pulse respirometry. <i>Biochemical Engineering Journal</i> , 2011, 55, 123-130.	3.6	8
14	Respirometric response and microbial succession of nitrifying sludge to m-cresol pulses in a sequencing batch reactor. <i>Biodegradation</i> , 2017, 28, 81-94.	3.0	6
15	Effect of the height-diameter ratio on the mass transfer and mixing performance of a biotrickling filter. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 121-126.	3.2	5
16	Determination of Kinetic and Stoichiometric Parameters of <i>Pseudomonas putida</i> F1 by Chemostat and In Situ Pulse Respirometry. <i>Chemical Product and Process Modeling</i> , 2009, 4, .	0.9	4
17	Characterization of a Marine Microbial Community Used for Enhanced Sulfate Reduction and Copper Precipitation in a Two-Step Process. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 452-467.	2.9	4
18	Microrespirometric assessment of the metal-organic framework [Co <sub>2</sub> (btec)(bipy)(DMF) <sub>2</sub> ] <sub>n</sub> (MOF-Co) to prevent inhibition by arsenic in activated sludge. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1153-1162.	2.4	4

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19	High-throughput microrespirometric characterization of activated sludge inhibition by silver nanoparticles. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 721-730.	2.4	3
20	Characterization of kinetic parameters and mass transfer resistance in an aerobic fixed-bed reactor by in-situ respirometry. <i>Biochemical Engineering Journal</i> , 2019, 146, 194-202.	3.6	3
21	Tolerance of a sulfidogenic sludge to trichloroethylene at microcosms level as a basis for a long-term operation of reactors designed for its biodegradation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 461-471.	1.7	2
22	Assessment of the tolerance to Fe, Cu and Zn of a sulfidogenic sludge generated from hydrothermal vents sediments as a basis for its application on metals precipitation. <i>Molecular Biology Reports</i> , 2020, 47, 6165-6177.	2.3	2
23	Sulfate reduction in a sludge gradually acclimated to acetate as the sole electron donor and its potential application as inoculum in a microbial fuel cell. <i>Revista Mexicana De Ingeniera Quimica</i> , 2020, 19, 1053-1069.	0.4	2
24	Pulse Respirometry in Two-Phase Partitioning Bioreactors: Case Study of Terephthalic Acid Biodegradation. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 810-820.	2.9	1
25	Influence of Fe <sup>2+</sup> and Fe <sup>3+</sup> on the Performance and Microbial Community Composition of a MFC Inoculated with Sulfate-Reducing Sludge and Acetate as Electron Donor. <i>Journal of Chemistry</i> , 2022, 2022, 1-12.	1.9	1