

# Andres Alvarado

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

353  
citations

933447

10  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

425  
citing authors

#	ARTICLE	IF	CITATIONS
1	A compartmental model to describe hydraulics in a full-scale waste stabilization pond. <i>Water Research</i> , 2012, 46, 521-530.	11.3	55
2	Forest impact on floods due to extreme rainfall and snowmelt in four Latin American environments 2: Model analysis. <i>Journal of Hydrology</i> , 2011, 400, 292-304.	5.4	54
3	A combined respirometer-titrimeter for the determination of microalgae kinetics: Experimental data collection and modelling. <i>Chemical Engineering Journal</i> , 2013, 222, 85-93.	12.7	48
4	CFD analysis of sludge accumulation and hydraulic performance of a waste stabilization pond. <i>Water Science and Technology</i> , 2012, 66, 2370-2377.	2.5	29
5	Integrating hydraulic, physicochemical and ecological models to assess the effectiveness of water quality management strategies for the River Cuenca in Ecuador. <i>Ecological Modelling</i> , 2013, 254, 1-14.	2.5	25
6	CFD study to determine the optimal configuration of aerators in a full-scale waste stabilization pond. <i>Water Research</i> , 2013, 47, 4528-4537.	11.3	24
7	Algal community analysis in a waste stabilisation pond. <i>Ecological Engineering</i> , 2014, 73, 302-306.	3.6	20
8	An integrated mechanistic modeling of a facultative pond: Parameter estimation and uncertainty analysis. <i>Water Research</i> , 2019, 151, 170-182.	11.3	20
9	A Closer Look on Spatiotemporal Variations of Dissolved Oxygen in Waste Stabilization Ponds Using Mixed Models. <i>Water (Switzerland)</i> , 2018, 10, 201.	2.7	18
10	Night Irrigation Reduction for Water Saving in Medium-Sized Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2003, 129, 108-116.	1.0	14
11	Adsorption of Estradiol by Natural Clays and <i>Daphnia magna</i> as Biological Filter in an Aqueous Mixture with Emerging Contaminants. <i>Eng</i> , 2021, 2, 312-324.	2.4	9
12	Emerging Contaminants in Trans-American Waters. <i>Revista Ambiente &amp; Água</i> , 2019, 14, 1.	0.3	9
13	Exploring the influence of meteorological conditions on the performance of a waste stabilization pond at high altitude with structural equation modeling. <i>Water Science and Technology</i> , 2018, 78, 37-48.	2.5	8
14	Hydraulic assessment of waste stabilization ponds: Comparison of computational fluid dynamics simulations against tracer data. <i>Maskana</i> , 2011, 2, 59-67.	0.2	6
15	Assessment of decentralized wastewater treatment systems in the rural area of Cuenca, Ecuador. <i>Water Practice and Technology</i> , 2017, 12, 240-249.	2.0	5
16	Physics-Informed Neural Network water surface predictability for 1D steady-state open channel cases with different flow types and complex bed profile shapes. <i>Advanced Modeling and Simulation in Engineering Sciences</i> , 2022, 9, .	1.7	3
17	Model based analysis of the growth kinetics of microalgal species residing in a waste stabilization pond. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1362-1369.	3.2	2
18	Development of an Automated Tracer Testing System for UASB Laboratory-Scale Reactors. <i>Water (Switzerland)</i> , 2021, 13, 1821.	2.7	1

#	ARTICLE	IF	CITATIONS
19	Resistance Analysis of Morphologies in Headwater Mountain Streams. <i>Water (Switzerland)</i> , 2021, 13, 2207.	2.7	1
20	Exploratory Study of Physic Informed Deep Learning Applied to a Step-Pool for Different Flow Magnitudes. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 275-284.	0.6	1
21	Patterns of Difference between Physical and 1-D Calibrated Effective Roughness Parameters in Mountain Rivers. <i>Water (Switzerland)</i> , 2021, 13, 3202.	2.7	1
22	Resistance Partitioning of Headwater Mountain Streams – A Case Study in Southern Ecuador. , 2020, , .		0
23	Efecto del refinamiento de la descripción de la rugosidad en una aproximación 2D para un río de montaña: un caso de estudio. <i>Granja</i> , 2021, 33, 92-102.	0.3	0
24	Comparación de las eficiencias de recuperación de lodos de las microalgas <i>Chlorella</i> y <i>Scenedesmus</i> obtenidas con diferentes disolventes. <i>Maskana</i> , 2018, 9, 27-34.	0.2	0
25	Hydrodynamic Evaluation of Five Influent Distribution Systems in a Cylindrical UASB Reactor Using CFD Simulations. <i>Water (Switzerland)</i> , 2021, 13, 3141.	2.7	0