

Carlos Diaz-Delgado

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

662
citations

623734

14
h-index

580821

25
g-index

42
all docs

42
docs citations

42
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal concentrations in water and bottom sediments of a Mexican reservoir. <i>Science of the Total Environment</i> , 1999, 234, 185-196.	8.0	95
2	Intercomparison of regional flood frequency estimation methods at ungauged sites for a Mexican case study. <i>Journal of Hydrology</i> , 2008, 348, 40-58.	5.4	93
3	Assessing desertification risk in the semi-arid highlands of central Mexico. <i>Journal of Arid Environments</i> , 2015, 120, 4-13.	2.4	76
4	Environmental Effects of Aquifer Overexploitation: A Case Study in the Highlands of Mexico. <i>Environmental Management</i> , 2002, 29, 266-278.	2.7	56
5	Design of optimal tank size for rainwater harvesting systems through use of a web application and geo-referenced rainfall patterns. <i>Journal of Cleaner Production</i> , 2017, 145, 323-335.	9.3	35
6	Integration of remote sensing techniques for monitoring desertification in Mexico. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 1323-1340.	3.4	31
7	Flood Risk Assessment in Humanitarian Logistics Process Design. <i>Journal of Applied Research and Technology</i> , 2014, 12, 976-984.	0.9	21
8	Seguridad hídrica en México: diagnóstico general y desafíos principales. <i>Ingeniería Del Agua</i> , 2019, 23, 107.	0.4	18
9	The establishment of integrated water resources management based on emergy accounting. <i>Ecological Engineering</i> , 2014, 63, 72-87.	3.6	17
10	Geoinformatics tool with an emergy accounting approach for evaluating the sustainability of water systems: Case study of the Lerma river, Mexico. <i>Ecological Engineering</i> , 2017, 99, 436-453.	3.6	17
11	Use of structural systems analysis for the integrated water resources management in the Nenetzingo river watershed, Mexico. <i>Land Use Policy</i> , 2019, 87, 104029.	5.6	17
12	Evaluation of heavy metal and elemental composition of particles in suspended matter of the Upper Course of the Lerma River. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 273, 625-633.	1.5	16
13	Suspended Sediment Concentrations Downstream of a Harvested Peat Bog: Analysis and Preliminary Modelling of Exceedances Using Logistic Regression. <i>Canadian Water Resources Journal</i> , 2006, 31, 139-156.	1.2	15
14	Major and trace elements in sediments of the upper course of Lerma river. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 270, 9-14.	1.5	14
15	COD fractionation and biological treatability of mixed industrial wastewaters. <i>Journal of Environmental Management</i> , 2012, 113, 71-77.	7.8	14
16	Socio-Ecological Regionalization of the Urban Sub-Basins in Mexico. <i>Water (Switzerland)</i> , 2017, 9, 14.	2.7	12
17	Validation and use of rainfall radar data to simulate water flows in the Rio Escondido basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 559-565.	4.0	11
18	Spatial Risk Distribution of Dengue Based on the Ecological Niche Model of <i>Aedes aegypti</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	11

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19	Hydrological Evaluation of PERSIANN-CDR Rainfall over Upper Senegal River and Bani River Basins. Remote Sensing, 2018, 10, 1884.	4.0	10
20	Regional analysis of climate variability at three time scales and its effect on rainfed maize production in the Upper Lerma River Basin, Mexico. Agriculture, Ecosystems and Environment, 2016, 225, 1-11.	5.3	9
21	Performance study of annular settler with gratings in circular aquaculture tank using computational fluid dynamics. Aquacultural Engineering, 2021, 92, 102143.	3.1	9
22	Impacts of Climate Change on the Irrigation Districts of the Rio Bravo Basin. Water (Switzerland), 2018, 10, 258.	2.7	8
23	Heavy metal distribution in bottom sediments of a Mexican reservoir. Aquatic Ecosystem Health and Management, 2002, 5, 205-216.	0.6	7
24	Evaluation of distribution and bioavailability of Cr, Mn, Fe, Cu, Zn and Pb in the waters of the upper course of the Lerma River. X-Ray Spectrometry, 2007, 36, 361-368.	1.4	7
25	Territorial approach to increased energy consumption of water extraction from depletion of a highlands Mexican aquifer. Journal of Environmental Management, 2013, 128, 920-930.	7.8	6
26	Proposal of a water management sustainability index for the 969 sub-basins of Mexico. Journal of Maps, 2020, 16, 432-444.	2.0	6
27	Confidence Intervals of Quantiles in Hydrology Computed by an Analytical Method. Natural Hazards, 2001, 24, 1-12.	3.4	5
28	Gamma-Laguerre Formalism: Rigorous Approach and Application to Hydrologic Time Series. Journal of Hydrologic Engineering - ASCE, 2004, 9, 275-279.	1.9	4
29	Identification of Variations in the Climatic Conditions of the Lerma-Chapala-Santiago Watershed by Comparative Analysis of Time Series. Advances in Meteorology, 2018, 2018, 1-16.	1.6	4
30	Proposal of a Mask and Its Performance Analysis with CFD for an Enhanced Aerodynamic Geometry That Facilitates Filtering and Breathing against COVID-19. Fluids, 2021, 6, 408.	1.7	4
31	Spatially Distributed Hydrological Modelling of a Western Africa Basin. , 0, , .		3
32	Proposal and assessment of an aquaculture recirculation system for trout fed with harvested rainwater. Aquacultural Engineering, 2019, 87, 102021.	3.1	2
33	Influence of crest geometric on discharge coefficient efficiency of labyrinth weirs. Flow Measurement and Instrumentation, 2021, 81, 102031.	2.0	2
34	The Waterâ€“Energyâ€“Food Nexus in. World Water Resources, 2020, , 65-82.	0.4	2
35	Distribution of mercury in the water and bottom sediment of the J.A. Alzate Dam, Mexico. International Journal of Environment and Pollution, 2006, 26, 174.	0.2	1
36	Hydraulic analysis of a compound weir (triangular-rectangular) simulated with Computational Fluid Dynamics (CFD). Tecnologia Y Ciencias Del Agua, 2021, 12, 01-13.	0.3	1

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37	Análisis experimental del efecto de la turbulencia en la velocidad de caída de sedimentos en suspensión. Ingeniería Investigación Y Tecnología, 2008, 9, 49-58.	0.1	1
38	Usos sociales del agua y medio ambiente en la cuenca internacional del río Colorado. Research in Computing Science, 2015, 27, .	0.1	1
39	Autocorrelation Ratio as a Measure of Inertia for the Classification of Extreme Events. Mathematics, 2022, 10, 2112.	2.2	1
40	Seasonal Changes in Climate Variables in Rainfed Crop Areas in the Lerma-Chapala-Santiago Basin, Mexico. Advances in Meteorology, 2021, 2021, 1-12.	1.6	0
41	Determinación experimental de la rugosidad equivalente e inicio de movimiento para fondo uniforme. Tecnología Y Ciencias Del Agua, 2020, 11, 105-157.	0.3	0
42	Análisis de los factores subyacentes constructores de vulnerabilidades ante riesgo de desastres en el Estado de México. Acta Hispanica, 2020, , 215-229.	0.1	0