

Abel Solera

List of Publications by Year in descending order

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38
papers

988
citations

394286

19
h-index

434063

31
g-index

41
all docs

41
docs citations

41
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of water scarcity and drought indexes in water resources planning and management. Journal of Hydrology, 2015, 527, 482-493.	2.3	255
2	Water Quantity and Quality Models Applied to the Jucar River Basin, Spain. Water Resources Management, 2010, 24, 2759-2779.	1.9	57
3	A decision support system for water quality issues in the Manzanares River (Madrid, Spain). Science of the Total Environment, 2010, 408, 2576-2589.	3.9	47
4	Integrating ecosystem services in river basin management plans. Journal of Applied Ecology, 2016, 53, 865-875.	1.9	39
5	The use of AQUATOOL DSS applied to the System of Environmental-Economic Accounting for Water (SEEAW). Journal of Hydrology, 2016, 533, 1-14.	2.3	39
6	Water accounting for stressed river basins based on water resources management models. Science of the Total Environment, 2016, 565, 181-190.	3.9	38
7	Probabilistic Forecasting of Drought Events Using Markov Chain- and Bayesian Network-Based Models: A Case Study of an Andean Regulated River Basin. Water (Switzerland), 2016, 8, 37.	1.2	32
8	IMPLEMENTING ENVIRONMENTAL FLOWS IN COMPLEX WATER RESOURCES SYSTEMS – CASE STUDY: THE DUERO RIVER BASIN, SPAIN. River Research and Applications, 2013, 29, 451-468.	0.7	30
9	The Assessment of Sustainability Indexes and Climate Change Impacts on Integrated Water Resource Management. Water (Switzerland), 2017, 9, 213.	1.2	29
10	Adapting water accounting for integrated water resource management. The Júcar Water Resource System (Spain). Journal of Hydrology, 2014, 519, 3369-3385.	2.3	28
11	Integrating water management, habitat modelling and water quality at the basin scale and environmental flow assessment: case study of the Tormes River, Spain. Hydrological Sciences Journal, 2014, 59, 878-889.	1.2	27
12	Evaluation of Markov Chain Based Drought Forecasts in an Andean Regulated River Basin Using the Skill Scores RPS and GMSS. Water Resources Management, 2015, 29, 1949-1963.	1.9	27
13	Linking Pan-European data to the local scale for decision making for global change and water scarcity within water resources planning and management. Science of the Total Environment, 2017, 603-604, 126-139.	3.9	26
14	Assessment of evolutionary algorithms for optimal operating rules design in real Water Resource Systems. Environmental Modelling and Software, 2015, 69, 425-436.	1.9	25
15	Drought early warning based on optimal risk forecasts in regulated river systems: Application to the Jucar River Basin (Spain). Journal of Hydrology, 2017, 544, 36-45.	2.3	25
16	A Model for Solving the Optimal Water Allocation Problem in River Basins with Network Flow Programming When Introducing Non-Linearities. Water Resources Management, 2012, 26, 4059-4071.	1.9	24
17	Optimal Management of the Jucar River and Turia River Basins under Uncertain Drought Conditions. Procedia Engineering, 2014, 89, 1260-1267.	1.2	22
18	Methodology for Drought Risk Assessment in Within-year Regulated Reservoir Systems. Application to the Orbigo River System (Spain). Water Resources Management, 2014, 28, 3801-3814.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Key issues for determining the exploitable water resources in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2015, 503-504, 319-328.	3.9	20
20	Integrated modeling of water quantity and quality in the Araguari River basin, Brazil. <i>Latin American Journal of Aquatic Research</i> , 2014, 42, 224-244.	0.2	19
21	Effects of environmental flows on hydrological alteration and reliability of water demands. <i>Science of the Total Environment</i> , 2022, 810, 151630.	3.9	18
22	Development of operating rules for a complex multi-reservoir system by coupling genetic algorithms and network optimization. <i>Hydrological Sciences Journal</i> , 2013, 58, 797-812.	1.2	16
23	A Simplified Water Accounting Procedure to Assess Climate Change Impact on Water Resources for Agriculture across Different European River Basins. <i>Water (Switzerland)</i> , 2019, 11, 1976.	1.2	16
24	Contribution of decision support systems to water management improvement in basins with high evaporation in Mediterranean climates. <i>Hydrology Research</i> , 2019, 50, 1020-1036.	1.1	14
25	Improving Indicators of Hydrological Alteration in Regulated and Complex Water Resources Systems: A Case Study in the Duero River Basin. <i>Water (Switzerland)</i> , 2021, 13, 2676.	1.2	14
26	Water Accounting in the Po River Basin Applied to Climate Change Scenarios. <i>Procedia Engineering</i> , 2016, 162, 246-253.	1.2	13
27	Skill assessment of a seasonal forecast model to predict drought events for water resource systems. <i>Journal of Hydrology</i> , 2018, 564, 574-587.	2.3	13
28	Optimization of the Multi-Start Strategy of a Direct-Search Algorithm for the Calibration of Rainfall-Runoff Models for Water-Resource Assessment. <i>Water (Switzerland)</i> , 2019, 11, 1876.	1.2	12
29	Risk assessment in water resources planning under climate change at the Júcar River basin. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5297-5315.	1.9	9
30	Análisis de incertidumbre de las proyecciones climáticas en relación a las aportaciones históricas en la Cuenca del Júcar. <i>Ingeniería Del Agua</i> , 2020, 24, 89.	0.2	6
31	Water Accounting for Integrated Water Resources Management. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2018, , 63-96.	0.3	5
32	Análisis del cambio en las aportaciones hidrológicas en la cuenca del río Júcar a partir de 1980 y sus causas. <i>Ingeniería Del Agua</i> , 2019, 23, 141.	0.2	5
33	Water Accounts and Water Stress Indexes in the European Context of Water Planning: The Jucar River Basin. <i>Procedia Engineering</i> , 2014, 89, 1470-1477.	1.2	4
34	Comparing performance indicators to characterize the water supply to the demands of the Guadiana River basin (Spain). <i>Hydrological Sciences Journal</i> , 2020, 65, 1060-1074.	1.2	4
35	Integrating seasonal forecasts into real-time drought management: Júcar River Basin case study. <i>International Journal of Disaster Risk Reduction</i> , 2022, 70, 102777.	1.8	4
36	Estimación del riesgo de fallo en el suministro de agua como ayuda a la planificación y gestión de recursos hídricos. <i>Maskana</i> , 2012, 3, 77-86.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Potential Role of Standardized Water Accounting in Spanish Basins. , 2012, , .		2
38	Efecto del cambio climático en la calidad del agua de la Cuenca del Júcar. Ingeniería Del Agua, 2021, 25, 75.	0.2	1