Jose D Salas

List of Publications by Year
in descending order

71 papers	3,853 citations	117625 34 h-index	123424 61 g-index
74 all docs	74 docs citations	74 times ranked	2953 citing authors

#	Article	IF	Citations
1	A COMPARATIVE ANALYSIS OF TECHNIQUES FOR SPATIAL INTERPOLATION OF PRECIPITATION. Journal of the American Water Resources Association, 1985, 21, 365-380.	2.4	427
2	Revisiting the Concepts of Return Period and Risk for Nonstationary Hydrologic Extreme Events. Journal of Hydrologic Engineering - ASCE, 2014, 19, 554-568.	1.9	374
3	Nonlinearities, Feedbacks and Critical Thresholds within the Earth's Climate System. Climatic Change, 2004, 65, 11-38.	3.6	229
4	Shifting level modelling of hydrologic series. Advances in Water Resources, 1980, 3, 59-63.	3.8	139
5	Characterizing the Severity and Risk of Drought in the Poudre River, Colorado. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 383-393.	2.6	117
6	Return Period and Risk of Hydrologic Events. I: Mathematical Formulation. Journal of Hydrologic Engineering - ASCE, 1999, 4, 297-307.	1.9	114
7	Drought length properties for periodic-stochastic hydrologic data. Water Resources Research, 2004, 40, .	4.2	114
8	Estimation of ARMA Models with seasonal parameters. Water Resources Research, 1982, 18, 1006-1010.	4.2	108
9	Drought Occurrence Probabilities and Risks of Dependent Hydrologic Processes. Journal of Hydrologic Engineering - ASCE, 2000, 5, 259-268.	1.9	106
10	Quantifying the Uncertainty of Design Floods under Nonstationary Conditions. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1438-1446.	1.9	104
11	Forecasting of short-term rainfall using ARMA models. Journal of Hydrology, 1993, 144, 193-211.	5.4	102
12	Flood frequency analysis with systematic and historical or paleoflood data based on the two-parameter general extreme value models. Water Resources Research, 1994, 30, 1653-1664.	4.2	102
13	APPROACHES TO MULTIVARIATE MODELING OF WATER RESOURCES TIME SERIES. Journal of the American Water Resources Association, 1985, 21, 683-708.	2.4	98
14	Copula-based stochastic simulation of hydrological data applied to Nile River flows. Hydrology Research, 2011, 42, 318-330.	2.7	84
15	Nonstationarity of the mean and the hurst Phenomenon. Water Resources Research, 1978, 14, 135-143.	4.2	71
16	Drought probabilities and return period for annual streamflows series. Journal of Hydrology, 2010, 391, 77-89.	5.4	67
17	Drought 2002 in Colorado: An Unprecedented Drought or a Routine Drought?. Pure and Applied Geophysics, 2005, 162, 1455-1479.	1.9	66
18	Nonparametric Simulation of Single-Site Seasonal Streamflows. Journal of Hydrologic Engineering - ASCE, 2010, 15, 284-296.	1.9	62

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19	Uncertainty Analysis of Reservoir Sedimentation. Journal of Hydraulic Engineering, 1999, 125, 339-350.	1.5	61
20	Regional Drought Analysis Based on Neural Networks. Journal of Hydrologic Engineering - ASCE, 2000, 5, 145-155.	1.9	58
21	Regional Frequency Analysis of Extreme Precipitation in Northeastern Colorado and Fort Collins Flood of 1997. Journal of Hydrologic Engineering - ASCE, 2002, 7, 49-63.	1.9	57
22	Modeling the Dynamics of Long-Term Variability of Hydroclimatic Processes. Journal of Hydrometeorology, 2003, 4, 489-505.	1.9	57
23	Frequency of Recurrent Extremes under Nonstationarity. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	57
24	Effect of Drought on Urban Water Supplies. I: Drought Analysis. Journal of Hydraulic Engineering, 1990, 116, 733-753.	1.5	56
25	Stepwise Disaggregation Scheme for Synthetic Hydrology. Journal of Hydraulic Engineering, 1992, 118, 765-784.	1.5	53
26	Population index flood method for regional frequency analysis. Water Resources Research, 2001, 37, 2733-2748.	4.2	52
27	Return Period and Risk of Hydrologic Events. II: Applications. Journal of Hydrologic Engineering - ASCE, 1999, 4, 308-316.	1.9	49
28	Hurst phenomenon as a pre-asymptotic behavior. Journal of Hydrology, 1979, 44, 1-15.	5.4	47
29	Physical basis of stochastic models of annual flows. Water Resources Research, 1981, 17, 428-430.	4.2	47
30	Periodic Gamma Autoregressive Processes for Operational Hydrology. Water Resources Research, 1986, 22, 1385-1396.	4.2	46
31	Long-Range Forecasting of the Nile River Flows Using Climatic Forcing. Journal of Applied Meteorology and Climatology, 2003, 42, 890-904.	1.7	45
32	Special Section on Climate Change and Water Resources: Climate Nonstationarity and Water Resources Management. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 385-388.	2.6	44
33	Data-based comparisons of moments estimators using historical and paleoflood data. Journal of Hydrology, 2003, 278, 172-196.	5.4	43
34	Relating crop yield to topographic attributes using Spatial Analysis Neural Networks and regression. Geoderma, 2007, 139, 23-37.	5.1	42
35	Comparisons of two moments-based estimators that utilize historical and paleoflood data for the log Pearson type III distribution. Water Resources Research, 2003, 39, .	4.2	39
36	Gammaâ€Autoregressive Models for Streamâ€Flow Simulation. Journal of Hydraulic Engineering, 1990, 116, 1403-1414.	1.5	34

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37	Conceptual Basis of Seasonal Streamflow Time Series Models. Journal of Hydraulic Engineering, 1992, 118, 1186-1194.	1.5	33
38	Product Periodic Autoregressive Processes for Modeling Intermittent Monthly Streamflows. Water Resources Research, 1995, 31, 1513-1518.	4.2	33
39	Multivariate Periodic ARMA(1,1) Processes. Water Resources Research, 1988, 24, 1237-1246.	4.2	32
40	Estimation and validation of contemporaneous PARMA Models for streamflow simulation. Water Resources Research, 1996, 32, 3151-3160.	4.2	31
41	Regional flood quantile estimation for a Weibull Model. Water Resources Research, 1989, 25, 979-990.	4.2	29
42	Development and testing of a multivariate, seasonal ARMA(1,1) model. Journal of Hydrology, 1988, 104, 247-272.	5.4	25
43	Quantifying the Uncertainty of Return Period and Risk in Hydrologic Design. Journal of Hydrologic Engineering - ASCE, 2013, 18, 518-526.	1.9	24
44	Prediction of Extreme Events in Hydrologic Processes that Exhibit Abrupt Shifting Patterns. Journal of Hydrologic Engineering - ASCE, 2005, 10, 315-326.	1.9	21
45	PMP and Climate Variability and Change: A Review. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	1.9	20
46	A water balance approach for reconstructing streamflow using tree-ring proxy records. Journal of Hydrology, 2015, 529, 535-547.	5.4	18
47	STOCHASTIC METHODS FOR MODELING PRECIPITATION AND STREAMFLOW. , 2010, , 17-52.		18
48	Fractal Analyses of Steady Infiltration and Terrain on an Undulating Agricultural Field. Vadose Zone Journal, 2009, 8, 310-320.	2.2	18
49	Long-Range Forecasting of Colorado Streamflows Based on Hydrologic, Atmospheric, and Oceanic Data. Journal of Hydrologic Engineering - ASCE, 2011, 16, 508-520.	1.9	17
50	Modeling of streamflow processes at different time scales. Water Resources Research, 1993, 29, 2573-2587.	4.2	16
51	Relating Autocorrelations and Crossing Rates of Continuous- and Discrete-Valued Hydrologic Processes. Journal of Hydrologic Engineering - ASCE, 2001, 6, 109-118.	1.9	14
52	A watershed modeling approach to streamflow reconstruction from tree-ring records. Environmental Research Letters, 2008, 3, 024006.	5.2	14
53	Multicriterion Strategic Planning for Improved Irrigation Delivery. I: Approach. Journal of Irrigation and Drainage Engineering - ASCE, 1991, 117, 897-913.	1.0	13
54	Correlations and Crossing Rates of Periodic-Stochastic Hydrologic Processes. Journal of Hydrologic Engineering - ASCE, 2005, 10, 278-287.	1.9	12

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55	Effect of Drought on Urban Water Supplies. II: Water€Supply Analysis. Journal of Hydraulic Engineering, 1990, 116, 754-764.	1.5	10
56	Probability Structure and Return Period of Multiday Monsoon Rainfall. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	10
57	Multicriterion Strategic Planning for Improved Irrigation Delivery. II: Application. Journal of Irrigation and Drainage Engineering - ASCE, 1991, 117, 914-934.	1.0	9
58	Initialization for generating single-site and multisite low-order periodic autoregressive and moving average processes. Water Resources Research, 1993, 29, 1771-1776.	4.2	9
59	Probability Distribution and Risk of the First Occurrence of k Extreme Hydrologic Events. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	9
60	Return Period and Risk for Nonstationary Hydrologic Extreme Events. , 2013, , .		7
61	Introduction to Hydrology. , 2014, , 1-126.		7
62	Discussion[1] â€â€œPragmatic Approaches for Water Management Under Climate Change Uncertaintyâ€•by Eugene Z. Stakhiv[2]. Journal of the American Water Resources Association, 2013, 49, 475-478.	2.4	5
63	A hydrological record extension model for reconstructing streamflows from tree-ring chronologies. Hydrological Processes, 2015, 29, 544-556.	2.6	5
64	Models for Data Generation in Hydrology: Univariate Techniques. , 1993, , 47-73.		4
65	HidrologÃa de zonas Ã¡ridas y semiÃ¡ridas. IngenierÃa Del Agua, 2000, 7, 409.	0.4	3
66	Sensitivity of Spatial Analysis Neural Network Training and Interpolation to Structural Parameters. Mathematical Geosciences, 2004, 36, 721-742.	0.9	2
67	Uncertainty Analysis for Synthetic Streamflow Generation. , 2007, , .		2
68	ModelaciÃ³n estocÃ¡stica de lluvias horarias. IngenierÃa Del Agua, 2004, 11, 29.	0.4	2
69	Models for Data Generation in Hydrology: Multivariate Techniques. , 1993, , 75-95.		1
70	Hydrologic Designs for Extreme Events under Nonstationarity. , 2020, , 63-82.		1
71	Multivariate modeling. Eos, 1984, 65, 324.	0.1	0