

Jose D Salas

List of Publications by Year in descending order

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71
papers

3,853
citations

117625

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74
docs citations

74
times ranked

2953
citing authors

#	ARTICLE	IF	CITATIONS
1	PMP and Climate Variability and Change: A Review. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	1.9	20
2	Hydrologic Designs for Extreme Events under Nonstationarity. , 2020, , 63-82.		1
3	Probability Distribution and Risk of the First Occurrence of k Extreme Hydrologic Events. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	9
4	Probability Structure and Return Period of Multiday Monsoon Rainfall. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	10
5	Frequency of Recurrent Extremes under Nonstationarity. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	57
6	A hydrological record extension model for reconstructing streamflows from tree-ring chronologies. Hydrological Processes, 2015, 29, 544-556.	2.6	5
7	A water balance approach for reconstructing streamflow using tree-ring proxy records. Journal of Hydrology, 2015, 529, 535-547.	5.4	18
8	Quantifying the Uncertainty of Design Floods under Nonstationary Conditions. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1438-1446.	1.9	104
9	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
10	Introduction to Hydrology. , 2014, , 1-126.		7
11	Quantifying the Uncertainty of Return Period and Risk in Hydrologic Design. Journal of Hydrologic Engineering - ASCE, 2013, 18, 518-526.	1.9	24
12	Return Period and Risk for Nonstationary Hydrologic Extreme Events. , 2013, , .		7
13	Discussion ¹ 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
14	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
15	Copula-based stochastic simulation of hydrological data applied to Nile River flows. Hydrology Research, 2011, 42, 318-330.	2.7	84
16	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
17	Drought probabilities and return period for annual streamflows series. Journal of Hydrology, 2010, 391, 77-89.	5.4	67
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	STOCHASTIC METHODS FOR MODELING PRECIPITATION AND STREAMFLOW. , 2010, , 17-52.		18
20	Fractal Analyses of Steady Infiltration and Terrain on an Undulating Agricultural Field. Vadose Zone Journal, 2009, 8, 310-320.	2.2	18
21	A watershed modeling approach to streamflow reconstruction from tree-ring records. Environmental Research Letters, 2008, 3, 024006.	5.2	14
22	Uncertainty Analysis for Synthetic Streamflow Generation. , 2007, , .		2
23	Relating crop yield to topographic attributes using Spatial Analysis Neural Networks and regression. Geoderma, 2007, 139, 23-37.	5.1	42
24	Drought 2002 in Colorado: An Unprecedented Drought or a Routine Drought?. Pure and Applied Geophysics, 2005, 162, 1455-1479.	1.9	66
25	Correlations and Crossing Rates of Periodic-Stochastic Hydrologic Processes. Journal of Hydrologic Engineering - ASCE, 2005, 10, 278-287.	1.9	12
26	Prediction of Extreme Events in Hydrologic Processes that Exhibit Abrupt Shifting Patterns. Journal of Hydrologic Engineering - ASCE, 2005, 10, 315-326.	1.9	21
27	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
28	Nonlinearities, Feedbacks and Critical Thresholds within the Earth's Climate System. Climatic Change, 2004, 65, 11-38.	3.6	229
29	Sensitivity of Spatial Analysis Neural Network Training and Interpolation to Structural Parameters. Mathematical Geosciences, 2004, 36, 721-742.	0.9	2
30	Drought length properties for periodic-stochastic hydrologic data. Water Resources Research, 2004, 40, .	4.2	114
31	Modelaci3n estoc3stica de lluvias horarias. Ingenier3a Del Agua, 2004, 11, 29.	0.4	2
32	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
33	Data-based comparisons of moments estimators using historical and paleoflood data. Journal of Hydrology, 2003, 278, 172-196.	5.4	43
34	Long-Range Forecasting of the Nile River Flows Using Climatic Forcing. Journal of Applied Meteorology and Climatology, 2003, 42, 890-904.	1.7	45
35	Modeling the Dynamics of Long-Term Variability of Hydroclimatic Processes. Journal of Hydrometeorology, 2003, 4, 489-505.	1.9	57
36	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

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37	Population index flood method for regional frequency analysis. <i>Water Resources Research</i> , 2001, 37, 2733-2748.	4.2	52
38	Relating Autocorrelations and Crossing Rates of Continuous- and Discrete-Valued Hydrologic Processes. <i>Journal of Hydrologic Engineering - ASCE</i> , 2001, 6, 109-118.	1.9	14
39	Regional Drought Analysis Based on Neural Networks. <i>Journal of Hydrologic Engineering - ASCE</i> , 2000, 5, 145-155.	1.9	58
40	Drought Occurrence Probabilities and Risks of Dependent Hydrologic Processes. <i>Journal of Hydrologic Engineering - ASCE</i> , 2000, 5, 259-268.	1.9	106
41	Hidrología de zonas Áridas y semiÁridas. <i>Ingeniería Del Agua</i> , 2000, 7, 409.	0.4	3
42	Uncertainty Analysis of Reservoir Sedimentation. <i>Journal of Hydraulic Engineering</i> , 1999, 125, 339-350.	1.5	61
43	Return Period and Risk of Hydrologic Events. I: Mathematical Formulation. <i>Journal of Hydrologic Engineering - ASCE</i> , 1999, 4, 297-307.	1.9	114
44	Return Period and Risk of Hydrologic Events. II: Applications. <i>Journal of Hydrologic Engineering - ASCE</i> , 1999, 4, 308-316.	1.9	49
45	Estimation and validation of contemporaneous PARMA Models for streamflow simulation. <i>Water Resources Research</i> , 1996, 32, 3151-3160.	4.2	31
46	Product Periodic Autoregressive Processes for Modeling Intermittent Monthly Streamflows. <i>Water Resources Research</i> , 1995, 31, 1513-1518.	4.2	33
47	Flood frequency analysis with systematic and historical or paleoflood data based on the two-parameter general extreme value models. <i>Water Resources Research</i> , 1994, 30, 1653-1664.	4.2	102
48	Forecasting of short-term rainfall using ARMA models. <i>Journal of Hydrology</i> , 1993, 144, 193-211.	5.4	102
49	Models for Data Generation in Hydrology: Univariate Techniques. , 1993, , 47-73.		4
50	Models for Data Generation in Hydrology: Multivariate Techniques. , 1993, , 75-95.		1
51	Initialization for generating single-site and multisite low-order periodic autoregressive and moving average processes. <i>Water Resources Research</i> , 1993, 29, 1771-1776.	4.2	9
52	Modeling of streamflow processes at different time scales. <i>Water Resources Research</i> , 1993, 29, 2573-2587.	4.2	16
53	Conceptual Basis of Seasonal Streamflow Time Series Models. <i>Journal of Hydraulic Engineering</i> , 1992, 118, 1186-1194.	1.5	33
54	Stepwise Disaggregation Scheme for Synthetic Hydrology. <i>Journal of Hydraulic Engineering</i> , 1992, 118, 765-784.	1.5	53

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55	Multicriterion Strategic Planning for Improved Irrigation Delivery. I: Approach. Journal of Irrigation and Drainage Engineering - ASCE, 1991, 117, 897-913.	1.0	13
56	Multicriterion Strategic Planning for Improved Irrigation Delivery. II: Application. Journal of Irrigation and Drainage Engineering - ASCE, 1991, 117, 914-934.	1.0	9
57	Gamma Autoregressive Models for Stream Flow Simulation. Journal of Hydraulic Engineering, 1990, 116, 1403-1414.	1.5	34
58	Effect of Drought on Urban Water Supplies. II: Water Supply Analysis. Journal of Hydraulic Engineering, 1990, 116, 754-764.	1.5	10
59	Effect of Drought on Urban Water Supplies. I: Drought Analysis. Journal of Hydraulic Engineering, 1990, 116, 733-753.	1.5	56
60	Regional flood quantile estimation for a Weibull Model. Water Resources Research, 1989, 25, 979-990.	4.2	29
61	Development and testing of a multivariate, seasonal ARMA(1,1) model. Journal of Hydrology, 1988, 104, 247-272.	5.4	25
62	Multivariate Periodic ARMA(1,1) Processes. Water Resources Research, 1988, 24, 1237-1246.	4.2	32
63	Periodic Gamma Autoregressive Processes for Operational Hydrology. Water Resources Research, 1986, 22, 1385-1396.	4.2	46
64	A COMPARATIVE ANALYSIS OF TECHNIQUES FOR SPATIAL INTERPOLATION OF PRECIPITATION. Journal of the American Water Resources Association, 1985, 21, 365-380.	2.4	427
65	APPROACHES TO MULTIVARIATE MODELING OF WATER RESOURCES TIME SERIES. Journal of the American Water Resources Association, 1985, 21, 683-708.	2.4	98
66	Multivariate modeling. Eos, 1984, 65, 324.	0.1	0
67	Estimation of ARMA Models with seasonal parameters. Water Resources Research, 1982, 18, 1006-1010.	4.2	108
68	Physical basis of stochastic models of annual flows. Water Resources Research, 1981, 17, 428-430.	4.2	47
69	Shifting level modelling of hydrologic series. Advances in Water Resources, 1980, 3, 59-63.	3.8	139
70	Hurst phenomenon as a pre-asymptotic behavior. Journal of Hydrology, 1979, 44, 1-15.	5.4	47
71	Nonstationarity of the mean and the hurst Phenomenon. Water Resources Research, 1978, 14, 135-143.	4.2	71