Marin Pompa-GarcÃ-a

List of Publications by Year
in descending order

74 papers	824 citations	471371 17 h-index	610775 24 g-index
75 all docs	75 docs citations	75 times ranked	855 citing authors

#	Article	IF	Citations
1	Different xylogenesis responses to atmospheric water demand contribute to species coexistence in a mixed pineâ€“oak forest. Journal of Forestry Research, 2023, 34, 51-62.	1.7	4
2	Multispectral indices and individual-tree level attributes explain forest productivity in a pine clonal orchard of Northern Mexico. Geocarto International, 2022, 37, 4441-4453.	1.7	2
3	Pith Eccentricity, Basal Area Increments and Disturbances Inferred from Tree-Ring Growth. Tree-Ring Research, 2022, 78, .	0.4	2
4	Wood Anatomical Traits Respond to Climate but More Individualistically as Compared to Radial Growth: Analyze Trees, Not Means. Forests, 2022, 13, 956.	0.9	1
5	UAV-Based Characterization of Tree-Attributes and Multispectral Indices in an Uneven-Aged Mixed Conifer-Broadleaf Forest. Remote Sensing, 2022, 14, 2775.	1.8	4
6	Xylogenesis is uncoupled from forest productivity. Trees - Structure and Function, 2021, 35, 1123-1134.	0.9	11
7	Run to the hills: Forest growth responsiveness to drought increased at higher elevation during the late 20th century. Science of the Total Environment, 2021, 772, 145286.	3.9	18
8	Inter and intra-annual links between climate, tree growth and NDVI: improving the resolution of drought proxies in conifer forests. International Journal of Biometeorology, 2021, 65, 2111-2121.	1.3	12
9	Efecto de cuatro tratamientos silvÃcolas en la producciÃ³n maderable en un Bosque de Durango. Revista Mexicana De Ciencias Forestales, 2021, 12, .	0.1	2
10	Chemical composition of Luffa aegyptiaca Mill., Agave durangensis Gentry and Pennisetum sp.. PeerJ, 2021, 9, e10626.	0.9	4
11	Minimum and maximum wood density as proxies of water availability in two Mexican pine species coexisting in a seasonally dry area. Trees - Structure and Function, 2021, 35, 597-607.	0.9	13
12	Growth, wood anatomy and stable isotopes show species-specific couplings in three Mexican conifers inhabiting drought-prone areas. Science of the Total Environment, 2020, 698, 134055.	3.9	25
13	Agro-Pellets from Oil Palm Residues/Pine Sawdust Mixtures: Relationships of Their Physical, Mechanical and Energetic Properties, with the Raw Material Chemical Structure. Applied Sciences (Switzerland), 2020, 10, 6383.	1.3	18
14	Predicting forest fire kernel density at multiple scales with geographically weighted regression in Mexico. Science of the Total Environment, 2020, 718, 137313.	3.9	37
15	Influence of Climate on Carbon Sequestration in Conifers Growing under Contrasting Hydro-Climatic Conditions. Forests, 2020, 11, 1134.	0.9	5
16	Detecting Individual Tree Attributes and Multispectral Indices Using Unmanned Aerial Vehicles: Applications in a Pine Clonal Orchard. Remote Sensing, 2020, 12, 4144.	1.8	32
17	How Drought Drives Seasonal Radial Growth in Pinus strobiformis from Northern Mexico. , 2020, , 21-36.		3
18	Perspectivas de los anillos de crecimiento para estimaciÃ³n potencial de carbono en MÃ©xico. Madera Bosques, 2020, 26, .	0.1	3

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19	Drones: tecnologÃa con futuro promisorio en la gestiÃ³n forestal. Revista Mexicana De Ciencias Forestales, 2020, 11, .	0.1	8
20	Survival, growth and carbon content in a forest plantation established after a clear-cutting in Durango, Mexico. PeerJ, 2020, 8, e9506.	0.9	5
21	A Dendro-Spatial Analysis in Tree Growth Provides Insights into Forest Productivity. , 2020, , 247-262.		2
22	EstimaciÃ³n de volumen forestal mediante imÃ¡genes de satÃ©lite Landsat 8 OLI en bosques templados mixtos. InvestigaciÃ³n Y Ciencia De La Universidad AutÃ³noma De Aguascalientes, 2020, , 40-49.	0.1	0
23	High responsiveness of wood anatomy to water availability and drought near the equatorial rear edge of Douglas-fir. Canadian Journal of Forest Research, 2019, 49, 1114-1123.	0.8	8
24	Seasonal growth responses to climate in wet and dry conifer forests. IAWA Journal, 2019, 40, 311-S1.	2.7	12
25	The occurrence of forest fires in Mexico presents an altitudinal tendency: a geospatial analysis. Natural Hazards, 2019, 96, 213-224.	1.6	11
26	Climate signals from intra-annual wood density fluctuations in Abies durangensis. IAWA Journal, 2019, 40, 276-287.	2.7	4
27	Drought regulates the burned forest areas in Mexico: the case of 2011, a record year. Geocarto International, 2019, 34, 560-573.	1.7	12
28	Spatial analysis of phenotypic variables in a clonal orchard of Pinus arizonica Engelm. in northern Mexico. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2019, 25, 185-199.	0.1	2
29	Hydroclimatic variations reveal differences in carbon capture in two sympatric conifers in northern Mexico. PeerJ, 2019, 7, e7085.	0.9	7
30	Eficiencia del extracto vegetal de Datura stramonium L. como insecticida para el control de la mosca sierra. Madera Bosques, 2019, 25, .	0.1	5
31	Drought and Spatiotemporal Variability of Forest Fires Across Mexico. Chinese Geographical Science, 2018, 28, 25-37.	1.2	35
32	Growth of Pinus cembroides Zucc. in Response to Hydroclimatic Variability in Four Sites Forming the Species Latitudinal and Longitudinal Distribution Limits. Forests, 2018, 9, 440.	0.9	11
33	Evaluating the Multi-Functionality of Forest Ecosystems in Northern Mexico. Forests, 2018, 9, 178.	0.9	8
34	Dendroecological Approach to Assessing Carbon Accumulation Dynamics in TwoPinusSpecies from Northern Mexico. Tree-Ring Research, 2018, 74, 196-209.	0.4	8
35	Actividad del fuego en Ã¡reas forestales de MÃ©xico a partir de sensores remotos y su sensibilidad a la sequÃa. Madera Bosques, 2018, 24, .	0.1	2
36	Effect of fire and elevation on the regeneration of Pinus hartwegii Lindl. in northeastern Mexico. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2018, 24, 197-205.	0.1	1

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37	Observed and projected impacts of climate on radial growth of three endangered conifers in northern Mexico indicate high vulnerability of drought-sensitive species from mesic habitats. Dendrochronologia, 2017, 45, 145-155.	1.0	16
38	Differences in climateâ€“growth relationship indicate diverse drought tolerances among five pine species coexisting in Northwestern Mexico. Trees - Structure and Function, 2017, 31, 531-544.	0.9	42
39	Earlywood and Latewood Widths of Picea chihuahuana Show Contrasting Sensitivity to Seasonal Climate. Forests, 2017, 8, 173.	0.9	23
40	An Updated Review of Dendrochronological Investigations in Mexico, a Megadiverse Country with a High Potential for Tree-Ring Sciences. Forests, 2017, 8, 160.	0.9	26
41	Drought Influence over Radial Growth of Mexican Conifers Inhabiting Mesic and Xeric Sites. Forests, 2017, 8, 175.	0.9	18
42	Improving Identification of Areas for Ecological Restoration for Conservation by Integrating USLE and MCDA in a GIS-Environment: A Pilot Study in a Priority Region Northern Mexico. ISPRS International Journal of Geo-Information, 2017, 6, 262.	1.4	24
43	Spatial modeling of forest fires in Mexico: an integration of two data sources. Bosque, 2017, 38, 563-574.	0.1	12
44	Variation of carbon uptake from forest species in Mexico: a review. Madera Bosques, 2017, 23, 225-235.	0.1	8
45	Tissue carbon concentration of 175 Mexican forest species. IForest, 2017, 10, 754-758.	0.5	17
46	Within-tree carbon concentration variation in three Mexican pine species. Bosque, 2017, 38, 381-386.	0.1	3
47	Some tree species of ecological importance in Mexico: A documentary review. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2017, 23, 185-219.	0.1	2
48	Detection and Projection of Forest Changes by Using the Markov Chain Model and Cellular Automata. Sustainability, 2016, 8, 236.	1.6	44
49	Sensitivity of pines in Mexico to temperature varies with age. Atmosfera, 2016, 29, 209-219.	0.3	17
50	Temporal Variation of Wood Density and Carbon in Two Elevational Sites of Pinus cooperi in Relation to Climate Response in Northern Mexico. PLoS ONE, 2016, 11, e0156782.	1.1	22
51	TamaÃ±o, color de nuez y sombra afectan la germinaciÃ³n de Quercus deserticola. Madera Bosques, 2016, 22, 67.	0.1	3
52	Characterization of the ecological quality of the gallery forest of the river La Sauceda, Durango, Mexico. Hidrobiologica, 2016, 26, 35-40.	0.1	3
53	Reconstructing Evaporation From Pine Tree Rings In Northern Mexico. Tree-Ring Research, 2015, 71, 95-105.	0.4	12
54	Tree growth response to ENSO in Durango, Mexico. International Journal of Biometeorology, 2015, 59, 89-97.	1.3	14

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55	Respuesta de madera temprana y tardÃa a la sequÃa en una conÃfera mexicana bajo dos condiciones ecolÃ³gicas. Ecosistemas, 2015, 24, .	0.2	5
56	ENSO index teleconnection with seasonal precipitation in a temperate ecosystem of northern Mexic. Atmosfera, 2015, 28, 43-50.	0.3	3
57	Response of tree radial growth to evaporation, as indicated by earlywood and latewood. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2015, XXI, 57-65.	0.1	4
58	Seasonal precipitation reconstruction and teleconnections with ENSO based on tree ring analysis of Pinus cooperi. Theoretical and Applied Climatology, 2014, 117, 495-500.	1.3	14
59	Ocurrencia de incendios forestales y su teleconexiÃ³n con fenÃ³menos ENSO. CienciaUAT, 2014, 8, 06.	0.3	5
60	CONCENTRATION OF CARBON IN Pinus cembroides Zucc: MITIGATION POTENTIAL SOURCE OF GLOBAL WARMING. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2014, XX, 169-175.	0.1	6
61	Sensibilidad climÃ¡tica de tres versiones dendrocronolÃ³gicas para una conÃfera mexicana. Madera Bosques, 2014, 20, 139-151.	0.1	2
62	Variation in radial growth of Pinus cooperi in response to climatic signals across an elevational gradient. Dendrochronologia, 2013, 31, 198-204.	1.0	24
63	TASA DE DEFORESTACIÃ“N EN SAN LUIS POTOSÃ, MÃ‰XICO (1993-2007). Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2013, XIX, 201-215.	0.1	10
64	Modeling susceptibility to deforestation of remaining ecosystems in North Central Mexico with logistic regression. Journal of Forestry Research, 2012, 23, 345-354.	1.7	19
65	Calidad del bosque de ribera del rÃo El Tunal, Durango, MÃ©xico; mediante la aplicaciÃ³n del Ãndice QBR. Gayana - Botanica, 2012, 69, 147-151.	0.3	7
66	DeterminaciÃ³n de la tendencia espacial de los puntos de calor como estrategia para monitorear los incendios forestales en Durango, MÃ©xico. Bosque, 2012, 33, 13-14.	0.1	1
67	Geospatial Model as Strategy to Prevent Forest Fires: A Case Study. Journal of Environmental Protection, 2012, 03, 1034-1038.	0.3	2
68	Driving factors for forest fire occurrence in Durango State of Mexico: A geospatial perspective. Chinese Geographical Science, 2010, 20, 491-497.	1.2	46
69	Viewshed Analysis for Improving the Effectiveness of Watchtowers, in the North of Mexico~!2010-03-06~!2010-06-14~!2010-07-26~!. The Open Forest Science Journal, 2010, 3, 17-22.	0.9	7
70	ANÃLISIS ESPACIAL DE LA OCURRENCIA DE INCENDIOS FORESTALES EN EL ESTADO DE DURANGO. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2010, XVI, 253-260.	0.2	9
71	A system for calculating the merchantable volume of oak trees in the northwest of the state of Chihuahua, Mexico. Journal of Forestry Research, 2009, 20, 293-300.	1.7	11
72	ModelaciÃ³n del volumen fustal de Pinus durangensis en Guachochi, Chihuahua, MÃ©xico. Madera Bosques, 2009, 15, 61-73.	0.1	1

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73	AnÃ¡lisis morfomÃ©trico de la cuenca El Salto, Durango, MÃ©xico. Terra Latinoamericana, 0, 39, .	0.3	0
74	Climate sensitivity of seasonal radial growth in young stands of Mexican conifers. International Journal of Biometeorology, 0, , .	1.3	0