Marin Pompa-GarcÃ-a

List of Publications by Year
in descending order

74 papers	824 citations	471509 17 h-index	610901 24 g-index
75 all docs	75 docs citations	75 times ranked	855 citing authors

#	Article	IF	Citations
1	Driving factors for forest fire occurrence in Durango State of Mexico: A geospatial perspective. Chinese Geographical Science, 2010, 20, 491-497.	3.0	46
2	Detection and Projection of Forest Changes by Using the Markov Chain Model and Cellular Automata. Sustainability, 2016, 8, 236.	3.2	44
3	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.	1.9	42
4	Predicting forest fire kernel density at multiple scales with geographically weighted regression in Mexico. Science of the Total Environment, 2020, 718, 137313.	8.0	37
5	Drought and Spatiotemporal Variability of Forest Fires Across Mexico. Chinese Geographical Science, 2018, 28, 25-37.	3.0	35
6	Detecting Individual Tree Attributes and Multispectral Indices Using Unmanned Aerial Vehicles: Applications in a Pine Clonal Orchard. Remote Sensing, 2020, 12, 4144.	4.0	32
7	An Updated Review of Dendrochronological Investigations in Mexico, a Megadiverse Country with a High Potential for Tree-Ring Sciences. Forests, 2017, 8, 160.	2.1	26
8	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.	8.0	25
9	Variation in radial growth of Pinus cooperi in response to climatic signals across an elevational gradient. Dendrochronologia, 2013, 31, 198-204.	2.2	24
10	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.	2.9	24
11	Earlywood and Latewood Widths of Picea chihuahuana Show Contrasting Sensitivity to Seasonal Climate. Forests, 2017, 8, 173.	2.1	23
12	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.	2.5	22
13	Modeling susceptibility to deforestation of remaining ecosystems in North Central Mexico with logistic regression. Journal of Forestry Research, 2012, 23, 345-354.	3.6	19
14	Drought Influence over Radial Growth of Mexican Conifers Inhabiting Mesic and Xeric Sites. Forests, 2017, 8, 175.	2.1	18
15	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.	2.5	18
16	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.	8.0	18
17	Sensitivity of pines in Mexico to temperature varies with age. Atmosfera, 2016, 29, 209-219.	0.8	17
18	Tissue carbon concentration of 175 Mexican forest species. IForest, 2017, 10, 754-758.	1.4	17

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19	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.	2.2	16
20	Seasonal precipitation reconstruction and teleconnections with ENSO based on tree ring analysis of Pinus cooperi. Theoretical and Applied Climatology, 2014, 117, 495-500.	2.8	14
21	Tree growth response to ENSO in Durango, Mexico. International Journal of Biometeorology, 2015, 59, 89-97.	3.0	14
22	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.	1.9	13
23	Reconstructing Evaporation From Pine Tree Rings In Northern Mexico. Tree-Ring Research, 2015, 71, 95-105.	0.6	12
24	Spatial modeling of forest fires in Mexico: an integration of two data sources. Bosque, 2017, 38, 563-574.	0.3	12
25	Seasonal growth responses to climate in wet and dry conifer forests. IAWA Journal, 2019, 40, 311-S1.	2.7	12
26	Drought regulates the burned forest areas in Mexico: the case of 2011, a record year. Geocarto International, 2019, 34, 560-573.	3.5	12
27	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.	3.0	12
28	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.	3.6	11
29	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.	2.1	11
30	The occurrence of forest fires in Mexico presents an altitudinal tendency: a geospatial analysis. Natural Hazards, 2019, 96, 213-224.	3.4	11
31	Xylogenesis is uncoupled from forest productivity. Trees - Structure and Function, 2021, 35, 1123-1134.	1.9	11
32	TASA DE DEFORESTACIÃ“N EN SAN LUIS POTOSÃ, MÃ‰XICO (1993-2007). Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2013, XIX, 201-215.	0.2	10
33	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
34	Evaluating the Multi-Functionality of Forest Ecosystems in Northern Mexico. Forests, 2018, 9, 178.	2.1	8
35	Dendroecological Approach to Assessing Carbon Accumulation Dynamics in Two<i>Pinus</i>Species from Northern Mexico. Tree-Ring Research, 2018, 74, 196-209.	0.6	8
36	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.	1.7	8

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37	Variation of carbon uptake from forest species in Mexico: a review. Madera Bosques, 2017, 23, 225-235.	0.2	8
38	Drones: tecnologÃa con futuro promisorio en la gestiÃ³n forestal. Revista Mexicana De Ciencias Forestales, 2020, 11, .	0.3	8
39	Calidad del bosque de ribera del rÃo El Tunal, Durango, MÃ©xico; mediante la aplicaciÃ³n del Ãndice QBR. Gayana - Botanica, 2012, 69, 147-151.	0.2	7
40	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
41	Hydroclimatic variations reveal differences in carbon capture in two sympatric conifers in northern Mexico. PeerJ, 2019, 7, e7085.	2.0	7
42	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.	0.2	6
43	Influence of Climate on Carbon Sequestration in Conifers Growing under Contrasting Hydro-Climatic Conditions. Forests, 2020, 11, 1134.	2.1	5
44	Ocurrencia de incendios forestales y su teleconexiÃ³n con fenÃ³menos ENSO. CienciaUAT, 2014, 8, 06.	0.3	5
45	Survival, growth and carbon content in a forest plantation established after a clear-cutting in Durango, Mexico. PeerJ, 2020, 8, e9506.	2.0	5
46	Respuesta de madera temprana y tardÃa a la sequÃa en una conÃfera mexicana bajo dos condiciones ecolÃ³gicas. Ecosistemas, 2015, 24, .	0.4	5
47	Eficiencia del extracto vegetal de Datura stramonium L. como insecticida para el control de la mosca sierra. Madera Bosques, 2019, 25, .	0.2	5
48	Climate signals from intra-annual wood density fluctuations in Abies durangensis. IAWA Journal, 2019, 40, 276-287.	2.7	4
49	Chemical composition of Luffa aegyptiaca Mill., Agave durangensis Gentry and Pennisetum sp.. PeerJ, 2021, 9, e10626.	2.0	4
50	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.	0.2	4
51	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.	3.6	4
52	UAV-Based Characterization of Tree-Attributes and Multispectral Indices in an Uneven-Aged Mixed Conifer-Broadleaf Forest. Remote Sensing, 2022, 14, 2775.	4.0	4
53	How Drought Drives Seasonal Radial Growth in Pinus strobiformis from Northern Mexico. , 2020, , 21-36.		3
54	TamaÃ±o, color de nuez y sombra afectan la germinaciÃ³n de Quercus deserticola. Madera Bosques, 2016, 22, 67.	0.2	3

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55	Perspectivas de los anillos de crecimiento para estimaciÃ³n potencial de carbono en MÃ©xico. Madera Bosques, 2020, 26, .	0.2	3
56	Characterization of the ecological quality of the gallery forest of the river La Sauceda, Durango, Mexico. Hidrobiologica, 2016, 26, 35-40.	0.2	3
57	ENSO index teleconnection with seasonal precipitation in a temperate ecosystem of northern Mexic. Atmosfera, 2015, 28, 43-50.	0.8	3
58	Within-tree carbon concentration variation in three Mexican pine species. Bosque, 2017, 38, 381-386.	0.3	3
59	Multispectral indices and individual-tree level attributes explain forest productivity in a pine clonal orchard of Northern Mexico. Geocarto International, 2022, 37, 4441-4453.	3.5	2
60	Efecto de cuatro tratamientos silvÃcolas en la producciÃ³n maderable en un Bosque de Durango. Revista Mexicana De Ciencias Forestales, 2021, 12, .	0.3	2
61	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, .	0.2	2
62	Geospatial Model as Strategy to Prevent Forest Fires: A Case Study. Journal of Environmental Protection, 2012, 03, 1034-1038.	0.7	2
63	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.	0.2	2
64	Sensibilidad climÃ¡tica de tres versiones dendrocronolÃ³gicas para una conÃfera mexicana. Madera Bosques, 2014, 20, 139-151.	0.2	2
65	Some tree species of ecological importance in Mexico: A documentary review. Revista Chapingo, Serie Ciencias Forestales Y Del Ambiente, 2017, 23, 185-219.	0.2	2
66	A Dendro-Spatial Analysis in Tree Growth Provides Insights into Forest Productivity. , 2020, , 247-262.		2
67	Pith Eccentricity, Basal Area Increments and Disturbances Inferred from Tree-Ring Growth. Tree-Ring Research, 2022, 78, .	0.6	2
68	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.	0.3	1
69	ModelaciÃ³n del volumen fustal de Pinus durangensis en Guachochi, Chihuahua, MÃ©xico. Madera Bosques, 2009, 15, 61-73.	0.2	1
70	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.	0.2	1
71	Wood Anatomical Traits Respond to Climate but More Individualistically as Compared to Radial Growth: Analyze Trees, Not Means. Forests, 2022, 13, 956.	2.1	1
72	AnÃ¡lisis morfomÃ©trico de la cuenca El Salto, Durango, MÃ©xico. Terra Latinoamericana, 0, 39, .	0.3	0

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73	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
74	Climate sensitivity of seasonal radial growth in young stands of Mexican conifers. International Journal of Biometeorology, 0, , .	3.0	0