Enrico A Yepez

List of Publications by Year
in descending order

48 papers	6,667 citations	236833 25 h-index	265120 42 g-index
51 all docs	51 docs citations	51 times ranked	7509 citing authors

#	Article	IF	Citations
1	Mechanisms of plant survival and mortality during drought: why do some plants survive while others succumb to drought?. New Phytologist, 2008, 178, 719-739.	3.5	3,232
2	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. Nature Ecology and Evolution, 2017, 1, 1285-1291.	3.4	739
3	Evapotranspiration components determined by stable isotope, sap flow and eddy covariance techniques. Agricultural and Forest Meteorology, 2004, 125, 241-258.	1.9	397
4	Evaluating theories of droughtâ€‐induced vegetation mortality using a multimodelâ€“experiment framework. New Phytologist, 2013, 200, 304-321.	3.5	340
5	Drought predisposes piÃ±onâ€“juniper woodlands to insect attacks and mortality. New Phytologist, 2013, 198, 567-578.	3.5	256
6	Partitioning overstory and understory evapotranspiration in a semiarid savanna woodland from the isotopic composition of water vapor. Agricultural and Forest Meteorology, 2003, 119, 53-68.	1.9	214
7	Hydraulic limits preceding mortality in a piÃ±onâ€“juniper woodland under experimental drought. Plant, Cell and Environment, 2012, 35, 1601-1617.	2.8	170
8	<scp>CO</scp>₂ exchange and evapotranspiration across dryland ecosystems of southwestern North America. Global Change Biology, 2017, 23, 4204-4221.	4.2	164
9	Terrestrial carbon balance in a drier world: the effects of water availability in southwestern North America. Global Change Biology, 2016, 22, 1867-1879.	4.2	142
10	Dynamics of transpiration and evaporation following a moisture pulse in semiarid grassland: A chamber-based isotope method for partitioning flux components. Agricultural and Forest Meteorology, 2005, 132, 359-376.	1.9	121
11	Reduced transpiration response to precipitation pulses precedes mortality in a piÃ±onâ€“juniper woodland subject to prolonged drought. New Phytologist, 2013, 200, 375-387.	3.5	77
12	Floral CO2 emission may indicate food abundance to nectar-feeding moths. Die Naturwissenschaften, 2004, 91, 329-333.	0.6	72
13	Intraseasonal Variation in Water and Carbon Dioxide Flux Components in a Semiarid Riparian Woodland. Ecosystems, 2007, 10, 1100-1115.	1.6	63
14	Prolonged experimental drought reduces plant hydraulic conductance and transpiration and increases mortality in a piÃ±onâ€“juniper woodland. Ecology and Evolution, 2015, 5, 1618-1638.	0.8	63
15	Methodology and performance of a rainfall manipulation experiment in a piÃ±onâ€“juniper woodland. Ecosphere, 2012, 3, 1-20.	1.0	50
16	Variations of net ecosystem production due to seasonal precipitation differences in a tropical dry forest of northwest Mexico. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2081-2094.	1.3	48
17	A modeling approach reveals differences in evapotranspiration and its partitioning in two semiarid ecosystems in Northwest Mexico. Water Resources Research, 2014, 50, 3229-3252.	1.7	43
18	Seasonal variation of net CO2uptake for cactus pear (Opuntia ficus-indica) and pitayo (Stenocereus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	38

#	Article	IF	Citations
19	Resource partitioning by evergreen and deciduous species in a tropical dry forest. Oecologia, 2017, 183, 607-618.	0.9	38
20	Convergence in resource use efficiency across trees with differing hydraulic strategies in response to ecosystem precipitation manipulation. Functional Ecology, 2015, 29, 1125-1136.	1.7	35
21	Contrasting precipitation seasonality influences evapotranspiration dynamics in waterâ€limited shrublands. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 494-508.	1.3	34
22	Global warming potential of intensive wheat production in the Yaqui Valley, Mexico: a resource for the design of localized mitigation strategies. Journal of Cleaner Production, 2016, 127, 522-532.	4.6	33
23	Carbon dioxide and water vapour exchange in a tropical dry forest as influenced by the North American Monsoon System (NAMS). Journal of Arid Environments, 2010, 74, 556-563.	1.2	32
24	Progress and opportunities for monitoring greenhouse gases fluxes in Mexican ecosystems: the MexFlux network. Atmosfera, 2013, 26, 325-336.	0.3	31
25	The importance of dew in the water balance of a continental semiarid grassland. Journal of Arid Environments, 2019, 168, 26-35.	1.2	31
26	Opportunities for advancing carbon cycle science in Mexico: toward a continental scale understanding. Environmental Science and Policy, 2012, 21, 84-93.	2.4	23
27	Technical note: Application of geophysical tools for tree root studies in forest ecosystems in complex soils. Biogeosciences, 2017, 14, 5343-5357.	1.3	23
28	Coupled plant traits adapted to wetting/drying cycles of substrates coâ€define niche multidimensionality. Plant, Cell and Environment, 2020, 43, 2394-2408.	2.8	22
29	Ontogenetic resource-use strategies in a rare long-lived cycad along environmental gradients. , 2014, 2, cou034-cou034.		21
30	Environmental Controls on Carbon and Water Fluxes in an Oldâ€Growth Tropical Dry Forest. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005666.	1.3	16
31	Evaluation of remote sensing-based evapotranspiration products at low-latitude eddy covariance sites. Journal of Hydrology, 2022, 610, 127786.	2.3	15
32	Water regime and osmotic adjustment under warming conditions on wheat in the Yaqui Valley, Mexico. PeerJ, 2019, 7, e7029.	0.9	14
33	Climate Change Impacts on Net Ecosystem Productivity in a Subtropical Shrubland of Northwestern MÃ©xico. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 688-711.	1.3	13
34	Initial response of phenology and yield components of wheat (Triticum durumL., CIRNO C2008) under experimental warming field conditions in the Yaqui Valley. PeerJ, 2018, 6, e5064.	0.9	13
35	Late sowing date as an adaptive strategy for rainfed bean production under warming and reduced precipitation in the Mexican Altiplano?. Field Crops Research, 2020, 255, 107903.	2.3	8
36	Landscape Controls on Waterâ€Energyâ€Carbon Fluxes Across Different Ecosystems During the North American Monsoon. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005809.	1.3	8

#	Article	IF	Citations
37	Root biomass and productivity in subtropical arid mangroves from the Gulf of California. Rhizosphere, 2021, 18, 100356.	1.4	6
38	Environmental Controls on the Temporal Evolution of Energy and CO₂ Fluxes on an Arid Mangrove of Northwestern Mexico. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005932.	1.3	6
39	Data on litterfall production and meteorology at an old-growth tropical dry forest in northwestern Mexico. Data in Brief, 2020, 31, 105723.	0.5	4
40	Water isotope variation in an ecohydrologic context at a seasonally dry tropical forest in northwest Mexico. Journal of Arid Environments, 2022, 196, 104658.	1.2	3
41	Toward a Mexican eddy covariance network for carbon cycle science. Eos, 2011, 92, 307-308.	0.1	2
42	ContribuciÃ³n del estrato arbustivo a los flujos de agua y CO2 de un matorral subtropical en el Noroeste de MÃ©xico. Tecnologia Y Ciencias Del Agua, 2020, 11, 130-170.	0.1	2
43	Image dataset acquired from an unmanned aerial vehicle over an experimental site within El Soldado estuary in Guaymas, Sonora, MÃ©xico. Data in Brief, 2020, 30, 105425.	0.5	1
44	EvapotranspiraciÃ³n e intercambio de energÃa en un bosque templado de MÃ©xico. Tecnologia Y Ciencias Del Agua, 2021, 12, 490-537.	0.1	1
45	Correlation among vegetative and reproductive variables in wheat under a climate change simulation. Bragantia, 0, 80, .	1.3	1
46	Evapotranspiration flux partitioning at a multi-species shrubland with stable isotopes of soil, plant, and atmosphere water pools. , 0, , .		1
47	Heatwave implications in wheat during heading phenophase. , 2021, , 77-84.		0
48	Angular Modeling of the Components of Net Radiation in Agricultural Crops and Its Implications on Energy Balance Closure. Water (Switzerland), 2021, 13, 3028.	1.2	0