Pamela L Nagler

List of Publications by Year
in descending order

71 papers	4,811 citations	101496 36 h-index	95218 68 g-index
84 all docs	84 docs citations	84 times ranked	4813 citing authors

#	Article	IF	Citations
1	Relationship Between Remotely-sensed Vegetation Indices, Canopy Attributes and Plant Physiological Processes: What Vegetation Indices Can and Cannot Tell Us About the Landscape. Sensors, 2008, 8, 2136-2160.	2.1	541
2	Integrating Remote Sensing and Ground Methods to Estimate Evapotranspiration. Critical Reviews in Plant Sciences, 2007, 26, 139-168.	2.7	282
3	Evapotranspiration on western U.S. rivers estimated using the Enhanced Vegetation Index from MODIS and data from eddy covariance and Bowen ratio flux towers. Remote Sensing of Environment, 2005, 97, 337-351.	4.6	253
4	Vegetation Index Methods for Estimating Evapotranspiration by Remote Sensing. Surveys in Geophysics, 2010, 31, 531-555.	2.1	209
5	Predicting riparian evapotranspiration from MODIS vegetation indices and meteorological data. Remote Sensing of Environment, 2005, 94, 17-30.	4.6	208
6	Comparative ecophysiology of Tamarix ramosissima and native trees in western U.S. riparian zones. Journal of Arid Environments, 2005, 61, 419-446.	1.2	195
7	Remote sensing of dryland ecosystem structure and function: Progress, challenges, and opportunities. Remote Sensing of Environment, 2019, 233, 111401.	4.6	193
8	Vegetation indexâ€based crop coefficients to estimate evapotranspiration by remote sensing in agricultural and natural ecosystems. Hydrological Processes, 2011, 25, 4050-4062.	1.1	186
9	Cellulose absorption index (CAI) to quantify mixed soilâ€“plant litter scenes. Remote Sensing of Environment, 2003, 87, 310-325.	4.6	173
10	Changing Perceptions of Change: The Role of Scientists in Tamarix and River Management. Restoration Ecology, 2009, 17, 177-186.	1.4	148
11	High Spatial Resolution WorldView-2 Imagery for Mapping NDVI and Its Relationship to Temporal Urban Landscape Evapotranspiration Factors. Remote Sensing, 2014, 6, 580-602.	1.8	114
12	Buffelgrass (Pennisetum ciliare) land conversion and productivity in the plains of Sonora, Mexico. Biological Conservation, 2006, 127, 62-71.	1.9	105
13	Roles of saltcedar (Tamarix spp.) and capillary rise in salinizing a non-flooding terrace on a flow-regulated desert river. Journal of Arid Environments, 2012, 79, 56-65.	1.2	93
14	Distribution and Abundance of Saltcedar and Russian Olive in the Western United States. Critical Reviews in Plant Sciences, 2011, 30, 508-523.	2.7	84
15	Ecology and conservation biology of the Colorado River Delta, Mexico. Journal of Arid Environments, 2001, 49, 5-15.	1.2	83
16	Tamarisk biocontrol in the western United States: ecological and societal implications. Frontiers in Ecology and the Environment, 2010, 8, 467-474.	1.9	81
17	Assessment of spectral vegetation indices for riparian vegetation in the Colorado River delta, Mexico. Journal of Arid Environments, 2001, 49, 91-110.	1.2	79
18	Comparison of transpiration rates among saltcedar, cottonwood and willow trees by sap flow and canopy temperature methods. Agricultural and Forest Meteorology, 2003, 116, 73-89.	1.9	78

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19	Estimating Riparian and Agricultural Actual Evapotranspiration by Reference Evapotranspiration and MODIS Enhanced Vegetation Index. Remote Sensing, 2013, 5, 3849-3871.	1.8	76
20	Wideâ€area estimates of saltcedar (Tamarix spp.) evapotranspiration on the lower Colorado River measured by heat balance and remote sensing methods. Ecohydrology, 2009, 2, 18-33.	1.1	74
21	Remote monitoring of tamarisk defoliation and evapotranspiration following saltcedar leaf beetle attack. Remote Sensing of Environment, 2009, 113, 1462-1472.	4.6	74
22	Quantifying water requirements of riparian river red gum (Eucalyptus camaldulensis) in the Murrayâ€“Darling Basin, Australia â€“ implications for the management of environmental flows. Ecohydrology, 2015, 8, 1471-1487.	1.1	70
23	Regeneration of Native Trees in the Presence of Invasive Saltcedar in the Colorado River Delta, Mexico. Conservation Biology, 2005, 19, 1842-1852.	2.4	64
24	Regeneration of native trees in response to flood releases from the United States into the delta of the Colorado River, Mexico. Journal of Arid Environments, 2001, 49, 49-64.	1.2	62
25	Wideâ€Area Estimates of Stand Structure and Water Use of Tamarix spp. on the Lower Colorado River: Implications for Restoration and Water Management Projects. Restoration Ecology, 2008, 16, 136-145.	1.4	61
26	An Empirical Algorithm for Estimating Agricultural and Riparian Evapotranspiration Using MODIS Enhanced Vegetation Index and Ground Measurements of ET. I. Description of Method. Remote Sensing, 2009, 1, 1273-1297.	1.8	59
27	Rapid dispersal of saltcedar (Tamarix spp.) biocontrol beetles (Diorhabda carinulata) on a desert river detected by phenocams, MODIS imagery and ground observations. Remote Sensing of Environment, 2014, 140, 206-219.	4.6	55
28	Evapotranspiration in a cottonwood (Populus fremontii) restoration plantation estimated by sap flow and remote sensing methods. Agricultural and Forest Meteorology, 2007, 144, 95-110.	1.9	54
29	Effects of fertilization treatment and stocking density on the growth and production of the economic seaweed Gracilaria parvispora (Rhodophyta) in cage culture at Molokai, Hawaii. Aquaculture, 2003, 219, 379-391.	1.7	47
30	Comparing Three Approaches of Evapotranspiration Estimation in Mixed Urban Vegetation: Field-Based, Remote Sensing-Based and Observational-Based Methods. Remote Sensing, 2016, 8, 492.	1.8	44
31	Scaling sap flux measurements of grazed and ungrazed shrub communities with fine and coarseâ€resolution remote sensing. Ecohydrology, 2008, 1, 316-329.	1.1	43
32	Potential for water salvage by removal of nonâ€native woody vegetation from dryland river systems. Hydrological Processes, 2011, 25, 4117-4131.	1.1	43
33	An Empirical Algorithm for Estimating Agricultural and Riparian Evapotranspiration Using MODIS Enhanced Vegetation Index and Ground Measurements of ET. II. Application to the Lower Colorado River, U.S.. Remote Sensing, 2009, 1, 1125-1138.	1.8	42
34	Vegetation Mapping for Change Detection on an Arid-Zone River. Environmental Monitoring and Assessment, 2005, 109, 255-274.	1.3	40
35	Coastal wetlands of the northern Gulf of California: inventory and conservation status. Aquatic Conservation: Marine and Freshwater Ecosystems, 2006, 16, 5-28.	0.9	40
36	Synthesis of ground and remote sensing data for monitoring ecosystem functions in the Colorado River Delta, Mexico. Remote Sensing of Environment, 2009, 113, 1473-1485.	4.6	38

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37	Regional scale impacts of Tamarix leaf beetles (Diorhabda carinulata) on the water availability of western U.S. rivers as determined by multi-scale remote sensing methods. Remote Sensing of Environment, 2012, 118, 227-240.	4.6	37
38	Application and Comparison of the MODIS-Derived Enhanced Vegetation Index to VIIRS, Landsat 5 TM and Landsat 8 OLI Platforms: A Case Study in the Arid Colorado River Delta, Mexico. Sensors, 2018, 18, 1546.	2.1	36
39	Greenup and evapotranspiration following the Minute 319 pulse flow to Mexico: An analysis using Landsat 8 Normalized Difference Vegetation Index (NDVI) data. Ecological Engineering, 2017, 106, 776-783.	1.6	35
40	Wideâ€area estimates of evapotranspiration by red gum (Eucalyptus camaldulensis) and associated vegetation in the Murrayâ€“Darling River Basin, Australia. Hydrological Processes, 2016, 30, 1376-1387.	1.1	34
41	Longâ€term decrease in satellite vegetation indices in response to environmental variables in an iconic desert riparian ecosystem: the Upper San Pedro, Arizona, United States. Ecohydrology, 2015, 8, 610-625.	1.1	33
42	NDVI, scale invariance and the modifiable areal unit problem: An assessment of vegetation in the Adelaide Parklands. Science of the Total Environment, 2017, 584-585, 11-18.	3.9	33
43	Deficit irrigation of a landscape halophyte for reuse of saline waste water in a desert city. Landscape and Urban Planning, 2009, 89, 57-64.	3.4	32
44	Evapotranspiration and water balance of an anthropogenic coastal desert wetland: Responses to fire, inflows and salinities. Ecological Engineering, 2013, 59, 176-184.	1.6	32
45	Assessing the extent and diversity of riparian ecosystems in Sonora, Mexico. Biodiversity and Conservation, 2009, 18, 247-269.	1.2	31
46	Effect of spatial resolution of satellite images on estimating the greenness and evapotranspiration of urban green spaces. Hydrological Processes, 2020, 34, 3183-3199.	1.1	31
47	Evapotranspiration by remote sensing: An analysis of the Colorado River Delta before and after the Minute 319 pulse flow to Mexico. Ecological Engineering, 2017, 106, 725-732.	1.6	27
48	Northern tamarisk beetle (Diorhabda carinulata) and tamarisk (Tamarix spp.) interactions in the Colorado River basin. Restoration Ecology, 2018, 26, 348-359.	1.4	27
49	Ecohydrological responses to surface flow across borders: Two decades of changes in vegetation greenness and water use in the riparian corridor of the Colorado River delta. Hydrological Processes, 2020, 34, 4851-4883.	1.1	27
50	Riparian vegetation dynamics and evapotranspiration in the riparian corridor in the delta of the Colorado River, Mexico. Journal of Environmental Management, 2008, 88, 864-874.	3.8	26
51	Phreatophytes under stress: transpiration and stomatal conductance of saltcedar (Tamarix spp.) in a high-salinity environment. Plant and Soil, 2013, 371, 655-672.	1.8	23
52	Climate sensitivity of water use by riparian woodlands at landscape scales. Hydrological Processes, 2020, 34, 4884-4903.	1.1	23
53	Reconciling Environmental and Flood Control Goals on an Arid-Zone River: Case Study of the Limitrophe Region of the Lower Colorado River in the United States and Mexico. Environmental Management, 2008, 41, 322-335.	1.2	20
54	On the irrigation requirements of cottonwood (Populus fremontii and Populus deltoides var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T Environments, 2010, 74, 667-674.	1.2	19

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55	Wide-area ratios of evapotranspiration to precipitation in monsoon-dependent semiarid vegetation communities. Journal of Arid Environments, 2015, 117, 84-95.	1.2	19
56	Effects of grazing on leaf area index, fractional cover and evapotranspiration by a desert phreatophyte community at a former uranium mill site on the Colorado Plateau. Journal of Environmental Management, 2013, 114, 92-104.	3.8	18
57	Reprint of: Effects of drought on birds and riparian vegetation in the Colorado River Delta, Mexico. Ecological Engineering, 2013, 59, 104-110.	1.6	17
58	Shortâ€•and longâ€term evapotranspiration rates at ecological restoration sites along a large river receiving rare flow events. Hydrological Processes, 2017, 31, 4328-4337.	1.1	14
59	Estimating Actual Evapotranspiration over Croplands Using Vegetation Index Methods and Dynamic Harvested Area. Remote Sensing, 2021, 13, 5167.	1.8	14
60	Riparian Area Changes in Greenness and Water Use on the Lower Colorado River in the USA from 2000 to 2020. Remote Sensing, 2021, 13, 1332.	1.8	13
61	Vegetation dynamics in response to water inflow rates and fire in a brackish Typha domingensis Pers. marsh in the delta of the Colorado River, Mexico. Ecological Engineering, 2013, 59, 167-175.	1.6	12
62	Effect of an environmental flow on vegetation growth and health using ground and remote sensing metrics. Hydrological Processes, 2020, 34, 1682-1696.	1.1	11
63	Just Add Water and the Colorado River Still Reaches the Sea. Environmental Management, 2007, 40, 1-6.	1.2	10
64	The role of remote sensing observations and models in hydrology: the science of evapotranspiration. Hydrological Processes, 2011, 25, 3977-3978.	1.1	9
65	Vegetationâ€groundwater dynamics at a former uranium mill site following invasion of a biocontrol agent: A time series analysis of Landsat normalized difference vegetation index data. Hydrological Processes, 2020, 34, 2739-2749.	1.1	7
66	Remote sensing vegetation index methods to evaluate changes in greenness and evapotranspiration in riparian vegetation in response to the Minute 319 environmental pulse flow to Mexico. Proceedings of the International Association of Hydrological Sciences, 0, 380, 45-54.	1.0	7
67	Calibration of an evapotranspiration algorithm in a semiarid sagebrush steppe using a 3â€ha lysimeter and Landsat normalized difference vegetation index data. Ecohydrology, 0, , .	1.1	7
68	Tamarix and Diorhabda Leaf Beetle Interactions: Implications for Tamarix Water Use and Riparian Habitat. Journal of the American Water Resources Association, 2013, 49, 534-548.	1.0	6
69	Effect of Restoration on Plant Greenness and Water Use in Relation to Drought in the Riparian Corridor of the Colorado River Delta. Journal of the American Water Resources Association, 2022, 58, 746-784.	1.0	5
70	A tribute to Edward Perry Glenn (1947â€“2017), who created a legacy of environmental assessment and applications within hydrological processes. Hydrological Processes, 2021, 35, e14173.	1.1	0
71	Introduction to â€˜A tribute to Edward P. Glenn (1947â€“2017): A legacy of scientific environmental assessment and applications in hydrological processesâ€™. Hydrological Processes, 2021, 35, e14172.	1.1	0