

Erin L Hestir

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,330
citations

430874

18
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of invasive vegetation using hyperspectral remote sensing in the California Delta ecosystem. <i>Remote Sensing of Environment</i> , 2008, 112, 4034-4047.	11.0	272
2	Measuring freshwater aquatic ecosystems: The need for a hyperspectral global mapping satellite mission. <i>Remote Sensing of Environment</i> , 2015, 167, 181-195.	11.0	191
3	Satellite sensor requirements for monitoring essential biodiversity variables of coastal ecosystems. <i>Ecological Applications</i> , 2018, 28, 749-760.	3.8	116
4	Landsat 8: Providing continuity and increased precision for measuring multi-decadal time series of total suspended matter. <i>Remote Sensing of Environment</i> , 2016, 185, 108-118.	11.0	82
5	Image spectroscopy and stable isotopes elucidate functional dissimilarity between native and nonnative plant species in the aquatic environment. <i>New Phytologist</i> , 2012, 193, 683-695.	7.3	65
6	The relationship between dissolved organic matter absorption and dissolved organic carbon in reservoirs along a temperate to tropical gradient. <i>Remote Sensing of Environment</i> , 2015, 156, 395-402.	11.0	54
7	The Effect of Submerged Aquatic Vegetation Expansion on a Declining Turbidity Trend in the Sacramento-San Joaquin River Delta. <i>Estuaries and Coasts</i> , 2016, 39, 1100-1112.	2.2	48
8	Variation of energy and carbon fluxes from a restored temperate freshwater wetland and implications for carbon market verification protocols. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 777-795.	3.0	47
9	Living up to the Hype of Hyperspectral Aquatic Remote Sensing: Science, Resources and Outlook. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	39
10	Use of Hyperspectral Remote Sensing to Evaluate Efficacy of Aquatic Plant Management. <i>Invasive Plant Science and Management</i> , 2009, 2, 216-229.	1.1	33
11	Plant community dynamics relative to the changing distribution of a highly invasive species, <i>Eichhornia crassipes</i> : a remote sensing perspective. <i>Biological Invasions</i> , 2012, 14, 717-733.	2.4	33
12	A step decrease in sediment concentration in a highly modified tidal river delta following the 1983 El Niño floods. <i>Marine Geology</i> , 2013, 345, 304-313.	2.1	30
13	Novel Species Interactions in a Highly Modified Estuary: Association of Largemouth Bass with Brazilian Waterweed <i>Egeria densa</i> . <i>Transactions of the American Fisheries Society</i> , 2016, 145, 249-263.	1.4	30
14	Least cost distance analysis for spatial interpolation. <i>Computers and Geosciences</i> , 2011, 37, 272-276.	4.2	26
15	Classification Trees for Aquatic Vegetation Community Prediction From Imaging Spectroscopy. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1572-1584.	4.9	23
16	Remote Sensing for Biodiversity. , 2017, , 187-210.		23
17	Measuring landscape-scale spread and persistence of an invaded submerged plant community from airborne remote sensing. <i>Ecological Applications</i> , 2016, 26, 1733-1744.	3.8	22
18	A numerical study of sediment dynamics over Sandy Point dredge pit, west flank of the Mississippi River, during a cold front event. <i>Continental Shelf Research</i> , 2019, 183, 38-50.	1.8	21

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19	Interspecific and intraspecific interference of Palmer amaranth (<i>Amaranthus palmeri</i>) and large crabgrass (<i>Digitaria sanguinalis</i>) in sweetpotato. <i>Weed Science</i> , 2019, 67, 426-432.	1.5	19
20	Remote Detection of Invasive Alien Species. , 2020, , 267-307.		17
21	Using LiDAR Data Analysis to Estimate Changes in Insolation Under Large-Scale Riparian Deforestation. <i>Journal of the American Water Resources Association</i> , 2012, 48, 939-948.	2.4	15
22	A Wavelet Approach for Estimating Chlorophyll-A From Inland Waters With Reflectance Spectroscopy. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 89-93.	3.1	14
23	Variability in Trends and Indicators of CO ₂ Exchange Across Arctic Wetlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1248-1264.	3.0	14
24	Large crabgrass (<i>Digitaria sanguinalis</i>) and Palmer amaranth (<i>Amaranthus palmeri</i>) intraspecific and interspecific interference in soybean. <i>Weed Science</i> , 2019, 67, 649-656.	1.5	14
25	Performance and Feasibility of Drone-Mounted Imaging Spectroscopy for Invasive Aquatic Vegetation Detection. <i>Remote Sensing</i> , 2021, 13, 582.	4.0	13
26	The case for a global inland water quality product. , 2012, , .		12
27	Genus-Level Mapping of Invasive Floating Aquatic Vegetation Using Sentinel-2 Satellite Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 3013.	4.0	9
28	Phenology affects differentiation of crop and weed species using hyperspectral remote sensing. <i>Weed Technology</i> , 2020, 34, 897-908.	0.9	7
29	Monitoring Turbidity in San Francisco Estuary and Sacramento-San Joaquin Delta Using Satellite Remote Sensing. <i>Journal of the American Water Resources Association</i> , 2021, 57, 737-751.	2.4	7
30	A Wavelet-Enhanced Inversion Method for Water Quality Retrieval From High Spectral Resolution Data for Complex Waters. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 869-882.	6.3	5
31	Decline in Thermal Habitat Conditions for the Endangered Delta Smelt as Seen from Landsat Satellites (1985-2019). <i>Environmental Science & Technology</i> , 2022, 56, 185-193.	10.0	5
32	Assessing Fish Habitat and the Effects of an Emergency Drought Barrier on Estuarine Turbidity Using Satellite Remote Sensing. <i>Journal of the American Water Resources Association</i> , 2021, 57, 752-770.	2.4	4
33	Remote Sensing of Geodiversity as a Link to Biodiversity. , 2020, , 225-253.		4
34	Using ECOSTRESS to Observe and Model Diurnal Variability in Water Temperature Conditions in the San Francisco Estuary. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	4
35	Marine Life 2030: Forecasting Changes to Ocean Biodiversity to Inform Decision-Making: A Critical Role for the Marine Biodiversity Observation Network (MBON). <i>Marine Technology Society Journal</i> , 2021, 55, 84-85.	0.4	3
36	Evaluation of Atmospheric Correction Algorithms for Landsat-8 OLI and MODIS-Aqua to Study Sediment Dynamics in the Northern Gulf of Mexico. <i>Advances in Remote Sensing</i> , 2018, 07, 101-124.	0.9	3

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37	Detection of Palmer amaranth (<i>Amaranthus palmeri</i>) and large crabgrass (<i>Digitaria</i>) presence. <i>Weed Science</i> , 2022, 70, 198-212.	1.5	3
38	A spaceborne visible-NIR hyperspectral imager for coastal phenology. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
39	Optical response associated with changing summer biogeochemical conditions in a turbid lake. <i>Limnologica</i> , 2017, 63, 83-96.	1.5	1
40	Using Hyperspectral UAS Imagery to Monitor Invasive Plant Phenology. , 2019, , .		1
41	Inland water quality monitoring in Australia. , 2013, , .		0