Sally D Hacker

List of Publications by Year
in descending order

40 papers	6,358 citations	331670 21 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	7792 citing authors

#	Article	IF	Citations
1	The value of estuarine and coastal ecosystem services. Ecological Monographs, 2011, 81, 169-193.	5.4	3,639
2	Coastal Ecosystem-Based Management with Nonlinear Ecological Functions and Values. Science, 2008, 319, 321-323.	12.6	834
3	Nonâ€linearity in ecosystem services: temporal and spatial variability in coastal protection. Frontiers in Ecology and the Environment, 2009, 7, 29-37.	4.0	622
4	Biophysical feedback mediates effects of invasive grasses on coastal dune shape. Ecology, 2012, 93, 1439-1450.	3.2	126
5	Subtle differences in two nonâ€native congeneric beach grasses significantly affect their colonization, spread, and impact. Oikos, 2012, 121, 138-148.	2.7	99
6	Fundamental contradictions among observational and experimental estimates of nonâ€trophic species interactions. Ecology, 2018, 99, 557-566.	3.2	89
7	Invasive grasses, climate change, and exposure to stormâ€wave overtopping in coastal dune ecosystems. Global Change Biology, 2013, 19, 824-832.	9.5	73
8	Are metaâ€ecosystems organized hierarchically? A model and test in rocky intertidal habitats. Ecological Monographs, 2015, 85, 213-233.	5.4	72
9	Nonâ€target effects of invasive species management: beachgrass, birds, and bulldozers in coastal dunes. Ecosphere, 2010, 1, 1-20.	2.2	70
10	PHYSICAL FACTORS VS. BIOTIC RESISTANCE IN CONTROLLING THE INVASION OF AN ESTUARINE MARSH GRASS. , 2005, 15, 1273-1283.		61
11	Congener comparison of native (Zostera marina) and introduced (Z. japonica) eelgrass at multiple scales within a Pacific Northwest estuary. Biological Invasions, 2010, 12, 1773-1789.	2.4	61
12	Coastal foredune evolution: the relative influence of vegetation and sand supply in the US Pacific Northwest. Journal of the Royal Society Interface, 2015, 12, 20150017.	3.4	61
13	Species-Specific Functional Morphology of Four US Atlantic Coast Dune Grasses: Biogeographic Implications for Dune Shape and Coastal Protection. Diversity, 2019, 11, 82.	1.7	48
14	Indirect effects and facilitation among native and nonâ€native species promote invasion success along an environmental stress gradient. Journal of Ecology, 2013, 101, 905-915.	4.0	45
15	Supporting Spartina: Interdisciplinary perspective shows Spartina as a distinct solid genus. Ecology, 2019, 100, e02863.	3.2	39
16	Coastal protection and conservation on sandy beaches and dunes: contextâ€dependent tradeoffs in ecosystem service supply. Ecosphere, 2017, 8, e01791.	2.2	36
17	Potential impact of climate-related changes is buffered by differential responses to recruitment and interactions. Ecological Monographs, 2011, 81, 493-509.	5.4	34
18	The effect of sand fencing on the morphology of natural dune systems. Geomorphology, 2020, 352, 106995.	2.6	31

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19	Context-Dependent Eelgrassâ€“Macroalgae Interactions Along an Estuarine Gradient in the Pacific Northwest, USA. Estuaries and Coasts, 2011, 34, 1169-1181.	2.2	29
20	The complex net effect of reciprocal interactions and recruitment facilitation maintains an intertidal kelp community. Journal of Ecology, 2016, 104, 33-43.	4.0	29
21	Elucidating Coastal Foredune Ecomorphodynamics in the U.S. Pacific Northwest via Bayesian Networks. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1919-1938.	2.8	27
22	Literature-based latitudinal distribution and possible range shifts of two US east coast dune grass species (Uniola paniculataandAmmophila breviligulata). PeerJ, 2018, 6, e4932.	2.0	26
23	Upwellingâ€influence, macroalgal blooms, and seagrass production; temporal trends from latitudinal and local scales in northeast Pacific estuaries. Limnology and Oceanography, 2013, 58, 1103-1112.	3.1	22
24	The Role of Vegetation in Determining Dune Morphology, Exposure to Sea-Level Rise, and Storm-Induced Coastal Hazards: A U.S. Pacific Northwest Perspective. , 2018, , 337-361.		22
25	Bacterial abundance and aerobic microbial activity across natural and oyster aquaculture habitats during summer conditions in a northeastern Pacific estuary. Hydrobiologia, 2008, 596, 269-278.	2.0	20
26	Invasive Congeners Differ in Successional Impacts across Space and Time. PLoS ONE, 2015, 10, e0117283.	2.5	18
27	Regional processes are stronger determinants of rocky intertidal community dynamics than local biotic interactions. Ecology, 2019, 100, e02763.	3.2	16
28	The relative influence of dune aspect ratio and beach width on dune erosion as a function of storm duration and surge level. Earth Surface Dynamics, 2021, 9, 1223-1237.	2.4	16
29	The non-market benefits of early and partial gains in managing threatened salmon. PLoS ONE, 2019, 14, e0220260.	2.5	15
30	Generality in multispecies responses to ocean acidification revealed through multiple hypothesis testing. Global Change Biology, 2018, 24, 4464-4477.	9.5	13
31	Evidence for regionalâ€scale controls on eelgrass (<scp>Zostera marina</scp>) and mesograzer community structure in upwellingâ€influenced estuaries. Limnology and Oceanography, 2019, 64, 1120-1134.	3.1	13
32	Combining process-based and data-driven approaches to forecast beach and dune change. Environmental Modelling and Software, 2022, 153, 105404.	4.5	10
33	Negative and neutral marsh plant interactions dominate in early life stages and across physical gradients in an Oregon estuary. Plant Ecology, 2013, 214, 303-315.	1.6	9
34	Discovery of a duneâ€building hybrid beachgrass (Ammophila arenariaÂÃ—ÂA.Âbreviligulata) in the U.S. Pacific Northwest. Ecosphere, 2021, 12, e03501.	2.2	7
35	Simulating dune evolution on managed coastlines: Exploring management options with the Coastal Recovery from Storms Tool (CReST). Shore and Beach, 2019, , 36-43.	0.5	7
36	Biogeography of Macrophyte Elemental Composition: Spatiotemporal Modification of Species-Level Traits. Ecosystems, 2020, 23, 1494-1522.	3.4	6

#	Article	IF	Citations
37	DRIVERS OF DUNE EVOLUTION IN CAPE LOOKOUT NATIONAL SEASHORE, NC. , 2019, , .		5
38	The relative role of constructive and destructive processes in dune evolution on Cape Lookout National Seashore, North Carolina, USA. Earth Surface Processes and Landforms, 2021, 46, 2824-2840.	2.5	4
39	Biogeography of macrophyte productivity: Effects of oceanic and climatic regimes across spatiotemporal scales. Limnology and Oceanography, 2021, 66, 711-726.	3.1	3
40	Warming alters the interaction of two invasive beachgrasses with implications for range shifts and coastal dune functions. Oecologia, 2021, 197, 757-770.	2.0	1