

Marieke M Van Katwijk

List of Publications by Year in descending order

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86
papers

6,165
citations

71102

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71685

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docs citations

86
times ranked

4800
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropical Biogeomorphic Seagrass Landscapes for Coastal Protection: Persistence and Wave Attenuation During Major Storms Events. <i>Ecosystems</i> , 2021, 24, 301-318.	3.4	24
2	A dynamic view of seagrass meadows in the wake of successful green turtle conservation. <i>Nature Ecology and Evolution</i> , 2021, 5, 553-555.	7.8	23
3	Rewilding the Sea with Domesticated Seagrass. <i>BioScience</i> , 2021, 71, 1171-1178.	4.9	13
4	Water motion and vegetation control the pH dynamics in seagrass-dominated bays. <i>Limnology and Oceanography</i> , 2020, 65, 349-362.	3.1	11
5	Mimicry of emergent traits amplifies coastal restoration success. <i>Nature Communications</i> , 2020, 11, 3668.	12.8	67
6	Seagrass coastal protection services reduced by invasive species expansion and megaherbivore grazing. <i>Journal of Ecology</i> , 2020, 108, 2025-2037.	4.0	23
7	Facilitating foundation species: The potential for plant-bivalve interactions to improve habitat restoration success. <i>Journal of Applied Ecology</i> , 2020, 57, 1161-1179.	4.0	63
8	A Mutualism Between Unattached Coralline Algae and Seagrasses Prevents Overgrazing by Sea Turtles. <i>Ecosystems</i> , 2020, 23, 1631-1642.	3.4	8
9	Recent trend reversal for declining European seagrass meadows. <i>Nature Communications</i> , 2019, 10, 3356.	12.8	227
10	Ecosystem engineering creates a new path to resilience in plants with contrasting growth strategies. <i>Oecologia</i> , 2019, 191, 1015-1024.	2.0	3
11	Maintaining Tropical Beaches with Seagrass and Algae: A Promising Alternative to Engineering Solutions. <i>BioScience</i> , 2019, 69, 136-142.	4.9	56
12	Nutrient availability induces community shifts in seagrass meadows grazed by turtles. <i>PeerJ</i> , 2019, 7, e7570.	2.0	8
13	Exposure of coastal ecosystems to river plume spreading across a near-equatorial continental shelf. <i>Continental Shelf Research</i> , 2018, 153, 1-15.	1.8	11
14	Seasonal and latitudinal variation in seagrass mechanical traits across Europe: The influence of local nutrient status and morphometric plasticity. <i>Limnology and Oceanography</i> , 2018, 63, 37-46.	3.1	22
15	Latitudinal Patterns in European Seagrass Carbon Reserves: Influence of Seasonal Fluctuations versus Short-Term Stress and Disturbance Events. <i>Frontiers in Plant Science</i> , 2018, 9, 88.	3.6	18
16	Living in the intertidal: desiccation and shading reduce seagrass growth, but high salinity or population of origin have no additional effect. <i>PeerJ</i> , 2018, 6, e5234.	2.0	10
17	The fundamental role of ecological feedback mechanisms for the adaptive management of seagrass ecosystems—A review. <i>Biological Reviews</i> , 2017, 92, 1521-1538.	10.4	217
18	Individual and population indicators of <i>Zostera japonica</i> respond quickly to experimental addition of sediment-nutrient and organic matter. <i>Marine Pollution Bulletin</i> , 2017, 114, 201-209.	5.0	14

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19	Consensus forecasting of intertidal seagrass habitat in the Wadden Sea. <i>Journal of Applied Ecology</i> , 2016, 53, 1800-1813.	4.0	36
20	Global analysis of seagrass restoration: the importance of large-scale planting. <i>Journal of Applied Ecology</i> , 2016, 53, 567-578.	4.0	348
21	Unpredictability in seagrass restoration: analysing the role of positive feedback and environmental stress on <i>Zostera noltii</i> transplants. <i>Journal of Applied Ecology</i> , 2016, 53, 774-784.	4.0	55
22	Combined nutrient and macroalgae loads lead to response in seagrass indicator properties. <i>Marine Pollution Bulletin</i> , 2016, 106, 174-182.	5.0	18
23	Non-native seagrass <i>Halophila stipulacea</i> forms dense mats under eutrophic conditions in the Caribbean. <i>Journal of Sea Research</i> , 2016, 115, 1-5.	1.6	56
24	Land Use Effects on Mangrove Nutrient Status in Phang Nga Bay, Thailand. <i>Land Degradation and Development</i> , 2016, 27, 68-76.	3.9	12
25	The exchange of dissolved nutrients between the water column and substrate pore-water due to hydrodynamic adjustment at seagrass meadow edges: A flume study. <i>Limnology and Oceanography</i> , 2016, 61, 2286-2295.	3.1	5
26	Marine <i>Phytophthora</i> species can hamper conservation and restoration of vegetated coastal ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160812.	2.6	38
27	Pollen limitation may be a common Allee effect in marine hydrophilous plants: implications for decline and recovery in seagrasses. <i>Oecologia</i> , 2016, 182, 595-609.	2.0	14
28	Surviving in Changing Seascapes: Sediment Dynamics as Bottleneck for Long-Term Seagrass Presence. <i>Ecosystems</i> , 2016, 19, 296-310.	3.4	38
29	Understanding seagrass resilience in temperate systems: the importance of timing of the disturbance. <i>Ecological Indicators</i> , 2016, 66, 190-198.	6.3	10
30	Response of seagrass indicators to shifts in environmental stressors: A global review and management synthesis. <i>Ecological Indicators</i> , 2016, 63, 310-323.	6.3	120
31	Developing social-ecological system indicators using group model building. <i>Ocean and Coastal Management</i> , 2015, 109, 29-39.	4.4	28
32	Developing an effective adaptive monitoring network to support integrated coastal management in a multiuser nature reserve. <i>Ecology and Society</i> , 2015, 20, .	2.3	8
33	Rhizome starch as indicator for temperate seagrass winter survival. <i>Ecological Indicators</i> , 2015, 49, 53-60.	6.3	35
34	Seagrasses as indicators for coastal trace metal pollution: A global meta-analysis serving as a benchmark, and a Caribbean case study. <i>Environmental Pollution</i> , 2014, 195, 210-217.	7.5	63
35	Eutrophication threatens Caribbean seagrasses – An example from Curaçao and Bonaire. <i>Marine Pollution Bulletin</i> , 2014, 89, 481-486.	5.0	30
36	Habitat collapse due to overgrazing threatens turtle conservation in marine protected areas. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132890.	2.6	123

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37	Seagrasses are negatively affected by organic matter loading and <i>Arenicola marina</i> activity in a laboratory experiment. <i>Oecologia</i> , 2014, 175, 677-685.	2.0	20
38	How to structure and prioritize information needs in support of monitoring design for Integrated Coastal Management. <i>Journal of Sea Research</i> , 2014, 86, 23-33.	1.6	16
39	Cover versus recovery: Contrasting responses of two indicators in seagrass beds. <i>Marine Pollution Bulletin</i> , 2014, 87, 211-219.	5.0	9
40	Uptake of nitrogen from compound pools by the seagrass <i>Zostera noltii</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 460, 47-52.	1.5	17
41	Toxic effects of increased sediment nutrient and organic matter loading on the seagrass <i>Zostera noltii</i> . <i>Aquatic Toxicology</i> , 2014, 155, 253-260.	4.0	47
42	Potential for landscape-scale positive interactions among tropical marine ecosystems. <i>Marine Ecology - Progress Series</i> , 2014, 503, 289-303.	1.9	86
43	Comparison of the influence of patch-scale and meadow-scale characteristics on flow within seagrass meadows: a flume study. <i>Marine Ecology - Progress Series</i> , 2014, 516, 49-59.	1.9	19
44	Biomechanical response of two fast-growing tropical seagrass species subjected to in situ shading and sediment fertilization. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 186-193.	1.5	29
45	Comparing the performance of species distribution models of <i>Zostera marina</i> : Implications for conservation. <i>Journal of Sea Research</i> , 2013, 83, 56-64.	1.6	35
46	Sulfide as a soil phytotoxin—a review. <i>Frontiers in Plant Science</i> , 2013, 4, 268.	3.6	260
47	Low-Canopy Seagrass Beds Still Provide Important Coastal Protection Services. <i>PLoS ONE</i> , 2013, 8, e62413.	2.5	200
48	Marine megaherbivore grazing may increase seagrass tolerance to high nutrient loads. <i>Journal of Ecology</i> , 2012, 100, 546-560.	4.0	102
49	Suppressing antagonistic bioengineering feedbacks doubles restoration success. <i>Ecological Applications</i> , 2012, 22, 1224-1231.	3.8	40
50	Changing Paradigms in Seagrass Restoration. <i>Restoration Ecology</i> , 2012, 20, 427-430.	2.9	89
51	Waves and high nutrient loads jointly decrease survival and separately affect morphological and biomechanical properties in the seagrass <i>Zostera noltii</i> . <i>Limnology and Oceanography</i> , 2012, 57, 1664-1672.	3.1	74
52	Resilience of <i>Zostera noltii</i> to burial or erosion disturbances. <i>Marine Ecology - Progress Series</i> , 2012, 449, 133-143.	1.9	38
53	A Three-Stage Symbiosis Forms the Foundation of Seagrass Ecosystems. <i>Science</i> , 2012, 336, 1432-1434.	12.6	204
54	Limited toxicity of NH _x pulses on an early and late successional tropical seagrass species: Interactions with pH and light level. <i>Aquatic Toxicology</i> , 2011, 104, 73-79.	4.0	21

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55	Positive Feedbacks in Seagrass Ecosystems – Evidence from Large-Scale Empirical Data. PLoS ONE, 2011, 6, e16504.	2.5	111
56	Early warning indicators for river nutrient and sediment loads in tropical seagrass beds: A benchmark from a near-pristine archipelago in Indonesia. Marine Pollution Bulletin, 2011, 62, 1512-1520.	5.0	51
57	Ontogenetic habitat shift, population growth, and burrowing behavior of the Indo-Pacific beach star, <i>Archaster typicus</i> (Echinodermata; Asteroidea). Marine Biology, 2011, 158, 639-648.	1.5	23
58	How ecological engineering can serve in coastal protection. Ecological Engineering, 2011, 37, 113-122.	3.6	411
59	Species pool versus site limitations of macrophytes in urban waters. Aquatic Sciences, 2010, 72, 379-389.	1.5	10
60	Alternative Stable States Driven by Density-Dependent Toxicity. Ecosystems, 2010, 13, 841-850.	3.4	33
61	Sediment modification by seagrass beds: Muddification and sandification induced by plant cover and environmental conditions. Estuarine, Coastal and Shelf Science, 2010, 89, 175-181.	2.1	122
62	Spatial self-organized patterning in seagrasses along a depth gradient of an intertidal ecosystem. Ecology, 2010, 91, 362-369.	3.2	98
63	Vulnerability to eutrophication of a semi-annual life history: A lesson learnt from an extinct eelgrass (<i>Zostera marina</i>) population. Biological Conservation, 2010, 143, 248-254.	4.1	44
64	Nutrient availability correlates with bicarbonate accumulation in marine and freshwater sediments – Empirical evidence from pore water analyses. Applied Geochemistry, 2010, 25, 1825-1829.	3.0	10
65	The Role of Ecological Science in Environmental Policy Making: from a Pacification toward a Facilitation Strategy. Ecology and Society, 2009, 14, .	2.3	27
66	Predicting habitat suitability in temperate seagrass ecosystems. Limnology and Oceanography, 2009, 54, 2018-2024.	3.1	27
67	Guidelines for seagrass restoration: Importance of habitat selection and donor population, spreading of risks, and ecosystem engineering effects. Marine Pollution Bulletin, 2009, 58, 179-188.	5.0	244
68	Urban drainage systems: An undervalued habitat for aquatic macroinvertebrates. Biological Conservation, 2009, 142, 1105-1115.	4.1	94
69	Effects of shoot stiffness, shoot size and current velocity on scouring sediment from around seedlings and propagules. Marine Ecology - Progress Series, 2009, 388, 293-297.	1.9	93
70	Toxicity of reduced nitrogen in eelgrass (<i>Zostera marina</i>) is highly dependent on shoot density and pH. Oecologia, 2008, 158, 411-419.	2.0	69
71	Before and after wasting disease in common eelgrass <i>Zostera marina</i> along the French Atlantic coasts: a general overview and first accurate mapping. Diseases of Aquatic Organisms, 2008, 79, 249-255.	1.0	32
72	Ecosystem engineering by annual intertidal seagrass beds: Sediment accretion and modification. Estuarine, Coastal and Shelf Science, 2007, 74, 344-348.	2.1	257

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73	Positive Feedbacks in Seagrass Ecosystems: Implications for Success in Conservation and Restoration. <i>Ecosystems</i> , 2007, 10, 1311-1322.	3.4	235
74	Planting density, hydrodynamic exposure and mussel beds affect survival of transplanted intertidal eelgrass. <i>Marine Ecology - Progress Series</i> , 2007, 336, 121-129.	1.9	67
75	Pieter Hendrik Nienhuis: Aquatic Ecologist and Environmental Scientist. <i>Hydrobiologia</i> , 2006, 565, 1-18.	2.0	6
76	Effects of locally varying exposure, sediment type and low-tide water cover on <i>Zostera marina</i> recruitment from seed. <i>Aquatic Botany</i> , 2004, 80, 1-12.	1.6	54
77	Habitat suitability of the Wadden Sea for restoration of <i>Zostera marina</i> beds. <i>Helgoland Marine Research</i> , 2000, 54, 117-128.	1.3	48
78	Policy plans and management measures to restore eelgrass (<i>Zostera marina</i> L.) in the Dutch Wadden Sea. <i>Helgoland Marine Research</i> , 2000, 54, 151-158.	1.3	38
79	Effects of water dynamics on <i>Zostera marina</i> : transplantation experiments in the intertidal Dutch Wadden Sea. <i>Marine Ecology - Progress Series</i> , 2000, 208, 107-118.	1.9	91
80	Effects of salinity and nutrient load and their interaction on <i>Zostera marina</i> . <i>Marine Ecology - Progress Series</i> , 1999, 190, 155-165.	1.9	72
81	Suitability of <i>Zostera marina</i> populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment. <i>Aquatic Botany</i> , 1998, 60, 283-305.	1.6	47
82	Ammonium toxicity in eelgrass <i>Zostera marina</i> . <i>Marine Ecology - Progress Series</i> , 1997, 157, 159-173.	1.9	202
83	Impact of hydrology on phyto- and zooplankton community composition in floodplain lakes along the Lower Rhine and Meuse. <i>Journal of Plankton Research</i> , 1994, 16, 351-373.	1.8	98
84	Sabaki River sediment load and coral stress: correlation between sediments and condition of the Malindi-Watamu reefs in Kenya (Indian Ocean). <i>Marine Biology</i> , 1993, 117, 675-683.	1.5	79
85	Temperature, salinity, insolation and wasting disease of eelgrass (<i>Zostera marina</i> L.) in the Dutch Wadden Sea in the 1930's. <i>Journal of Sea Research</i> , 1990, 25, 395-404.	1.0	45
86	Eelgrass condition and turbidity in the Dutch Wadden Sea. <i>Aquatic Botany</i> , 1990, 37, 71-85.	1.6	166