

# Andrew H Altieri

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

3,798  
citations

186265

28  
h-index

182427

51  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4708  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Global shifts towards positive species interactions with increasing environmental stress. <i>Ecology Letters</i> , 2013, 16, 695-706.  | 6.4  | 691       |
| 2  | Climate change and dead zones. <i>Global Change Biology</i> , 2015, 21, 1395-1406.   | 9.5  | 272       |
| 3  | Tropical dead zones and mass mortalities on coral reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3660-3665.                        | 7.1  | 227       |
| 4  | Interactions among Foundation Species and Their Consequences for Community Organization, Biodiversity, and Conservation. <i>BioScience</i> , 2011, 61, 782-789.                                | 4.9  | 219       |
| 5  | Habitat Cascades: The Conceptual Context and Global Relevance of Facilitation Cascades via Habitat Formation and Modification. <i>Integrative and Comparative Biology</i> , 2010, 50, 158-175. | 2.0  | 216       |
| 6  | Hierarchical Organization via a Facilitation Cascade in Intertidal Cordgrass Bed Communities. <i>American Naturalist</i> , 2007, 169, 195-206.   | 2.1  | 168       |
| 7  | A trophic cascade triggers collapse of a salt marsh ecosystem with intensive recreational fishing. <i>Ecology</i> , 2012, 93, 1402-1410.   | 3.2  | 163       |
| 8  | Role of Crab Herbivory in Die-off of New England Salt Marshes. <i>Conservation Biology</i> , 2009, 23, 672-679.  | 4.7  | 147       |
| 9  | Facilitation cascade drives positive relationship between native biodiversity and invasion success. <i>Ecology</i> , 2010, 91, 1269-1275.  | 3.2  | 123       |
| 10 | Oxygen: the universal currency on coral reefs. <i>Coral Reefs</i> , 2019, 38, 177-198.   | 2.2  | 101       |
| 11 | Whole-Community Facilitation Regulates Biodiversity on Patagonian Rocky Shores. <i>PLoS ONE</i> , 2011, 6, e24502.   | 2.5  | 100       |
| 12 | Secondary foundation species enhance biodiversity. <i>Nature Ecology and Evolution</i> , 2018, 2, 634-639.   | 7.8  | 85        |
| 13 | LOCAL EXTINCTION OF A FOUNDATION SPECIES IN A HYPOXIC ESTUARY: INTEGRATING INDIVIDUALS TO ECOSYSTEM. <i>Ecology</i> , 2006, 87, 717-730.   | 3.2  | 82        |
| 14 | Long-Distance Interactions Regulate the Structure and Resilience of Coastal Ecosystems. <i>Annual Review of Marine Science</i> , 2015, 7, 139-158.   | 11.6 | 74        |
| 15 | Herbivory drives zonation of stress-tolerant marsh plants. <i>Ecology</i> , 2015, 96, 1318-1328.   | 3.2  | 70        |
| 16 | Belowground herbivory increases vulnerability of New England salt marshes to die-off. <i>Ecology</i> , 2012, 93, 2085-2094.  | 3.2  | 64        |
| 17 | DEAD ZONES ENHANCE KEY FISHERIES SPECIES BY PROVIDING PREDATION REFUGE. <i>Ecology</i> , 2008, 89, 2808-2818.  | 3.2  | 62        |
| 18 | Environmental DNA survey captures patterns of fish and invertebrate diversity across a tropical seascape. <i>Scientific Reports</i> , 2020, 10, 6729.  | 3.3  | 60        |

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|----|---|------|-----------|
| 19 | How habitat-modifying organisms structure the food web of two coastal ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152326.   | 2.6  | 58        |
| 20 | Latent impacts: the role of historical human activity in coastal habitat loss. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 69-74.   | 4.0  | 54        |
| 21 | Scale-dependent interactions and community structure on cobble beaches. <i>Ecology Letters</i> , 2005, 9, 051109031307001.  | 6.4  | 51        |
| 22 | Bioerosion in a changing world: a conceptual framework. <i>Ecology Letters</i> , 2018, 21, 422-438.   | 6.4  | 48        |
| 23 | The resilience of reef invertebrate biodiversity to coral mortality. <i>Ecosphere</i> , 2016, 7, e01399.  | 2.2  | 46        |
| 24 | Sea-level rise and the emergence of a keystone grazer alter the geomorphic evolution and ecology of southeast US salt marshes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17891-17902. | 7.1  | 45        |
| 25 | The emergent role of small-bodied herbivores in pre-empting phase shifts on degraded coral reefs. <i>Scientific Reports</i> , 2017, 7, 39670.   | 3.3  | 43        |
| 26 | Rapid ecosystem-scale consequences of acute deoxygenation on a Caribbean coral reef. <i>Nature Communications</i> , 2021, 12, 4522.   | 12.8 | 42        |
| 27 | Substrate mediates consumer control of salt marsh cordgrass on Cape Cod, New England. <i>Ecology</i> , 2009, 90, 2108-2117.   | 3.2  | 40        |
| 28 | Predator control of marine communities increases with temperature across 115 degrees of latitude. <i>Science</i> , 2022, 376, 1215-1219.  | 12.6 | 36        |
| 29 | Resilience of Tropical Ecosystems to Ocean Deoxygenation. <i>Trends in Ecology and Evolution</i> , 2021, 36, 227-238.   | 8.7  | 30        |
| 30 | Climate drives the geography of marine consumption by changing predator communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28160-28166.   | 7.1  | 29        |
| 31 | Feedbacks underlie the resilience of salt marshes and rapid reversal of consumer-driven die-off. <i>Ecology</i> , 2013, 94, 1647-1657.  | 3.2  | 28        |
| 32 | Consumers Control Diversity and Functioning of a Natural Marine Ecosystem. <i>PLoS ONE</i> , 2009, 4, e5291.  | 2.5  | 26        |
| 33 | The importance of sponges and mangroves in supporting fish communities on degraded coral reefs in Caribbean Panama. <i>PeerJ</i> , 2018, 6, e4455.  | 2.0  | 26        |
| 34 | Dead Zones: Oxygen Depletion in Coastal Ecosystems. , 2019, , 453-473.  |      | 24        |
| 35 | Symbiosis between an Alpheid Shrimp and a Xanthoid Crab in Salt Marshes of Mid-Atlantic States, U.S.A.. <i>Journal of Crustacean Biology</i> , 2003, 23, 876-879.   | 0.8  | 22        |
| 36 | New England Salt Marsh Recovery: Opportunistic Colonization of an Invasive Species and Its Non-Consumptive Effects. <i>PLoS ONE</i> , 2013, 8, e73823.  | 2.5  | 22        |

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|----|---|------|-----------|
| 37 | Heterogeneity within and among co-occurring foundation species increases biodiversity. <i>Nature Communications</i> , 2022, 13, 581.  | 12.8 | 21        |
| 38 | Regional Ontogeny of New England Salt Marsh Die-off. <i>Conservation Biology</i> , 2013, 27, 1041-1048.   | 4.7  | 20        |
| 39 | Community composition in mangrove ponds with pulsed hypoxic and acidified conditions. <i>Ecosphere</i> , 2017, 8, e02053.   | 2.2  | 18        |
| 40 | Initial estuarine response to inorganic nutrient inputs from a legacy mining facility adjacent to Tampa Bay, Florida. <i>Marine Pollution Bulletin</i> , 2022, 178, 113598.                             | 5.0  | 18        |
| 41 | Differential susceptibility of reef-building corals to deoxygenation reveals remarkable hypoxia tolerance. <i>Scientific Reports</i> , 2021, 11, 23168.   | 3.3  | 17        |
| 42 | The biogeography of invasion in tropical and temperate seagrass beds: Testing interactive effects of predation and propagule pressure. <i>Diversity and Distributions</i> , 2019, 25, 285-297.          | 4.1  | 15        |
| 43 | Effects of Changing Vegetation Composition on Community Structure, Ecosystem Functioning, and Predator-Prey Interactions at the Saltmarsh-Mangrove Ecotone. <i>Diversity</i> , 2019, 11, 208.           | 1.7  | 14        |
| 44 | Settlement Cues in the Locally Dispersing Temperate Cup Coral <i>Balanophyllia elegans</i> . <i>Biological Bulletin</i> , 2003, 204, 241-245.   | 1.8  | 13        |
| 45 | Governance and the mangrove commons: Advancing the cross-scale, nested framework for the global conservation and wise use of mangroves. <i>Journal of Environmental Management</i> , 2022, 312, 114823. | 7.8  | 13        |
| 46 | Caribbean mangrove forests act as coral refugia by reducing light stress and increasing coral richness. <i>Ecosphere</i> , 2021, 12, e03413.  | 2.2  | 11        |
| 47 | The Foundation for Building the Conservation Capacity of Community Ecology. <i>Frontiers in Marine Science</i> , 2019, 6, .   | 2.5  | 10        |
| 48 | Species coexistence and the superior ability of an invasive species to exploit a facilitation cascade habitat. <i>PeerJ</i> , 2017, 5, e2848.   | 2.0  | 8         |
| 49 | Modular mobile foundation species as reservoirs of biodiversity. <i>Ecosphere</i> , 2014, 5, 1-11.  | 2.2  | 7         |
| 50 | A global meta-analysis of temperature effects on marine fishes' digestion across trophic groups. <i>Global Ecology and Biogeography</i> , 2021, 30, 795-810.  | 5.8  | 7         |
| 51 | Do snails facilitate bloom-forming macroalgae in a eutrophic estuary?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 253-261.  | 1.5  | 5         |
| 52 | Seagrass structural and elemental indicators reveal high nutrient availability within a tropical lagoon in Panama. <i>PeerJ</i> , 2021, 9, e11308.  | 2.0  | 3         |
| 53 | Dead Zones: Low Oxygen in Coastal Waters. , 2019, , 22-34.  |      | 0         |
| 54 | Facilitation cascade explains positive relationship between native biodiversity and invasion success.. <i>Ecology</i> , 0, , 100319061621033.   | 3.2  | 0         |

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|----|--|-----|-----------|
| 55 | Invertebrate Grazing on Live Turtlegrass ( <i>Thalassia testudinum</i> ): A Common Interaction That May Facilitate Fungal Growth. <i>Frontiers in Marine Science</i> , 2022, 8, .  | 2.5 | 0         |
| 56 | Reply to Wilson etÂal.: Feedbacks between geomorphology and fauna engineers are key to predicting coastal response to rising seas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 0         |