Alan L Shanks

List of Publications by Year
in descending order

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51 papers	2,850 citations	257450 24 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	2919 citing authors

#	Article	IF	Citations
1	PROPAGULE DISPERSAL DISTANCE AND THE SIZE AND SPACING OF MARINE RESERVES. , 2003, 13, 159-169.		699
2	Pelagic Larval Duration and Dispersal Distance Revisited. Biological Bulletin, 2009, 216, 373-385.	1.8	615
3	POPULATION PERSISTENCE OF CALIFORNIA CURRENT FISHES AND BENTHIC CRUSTACEANS: A MARINE DRIFT PARADOX. Ecological Monographs, 2005, 75, 505-524.	5.4	150
4	Demonstration of the onshore transport of larval invertebrates by the shoreward movement of an upwelling front. Limnology and Oceanography, 2000, 45, 230-236.	3.1	130
5	Adding teeth to wave action: the destructive effects of wave-borne rocks on intertidal organisms. Oecologia, 1986, 69, 420-428.	2.0	103
6	TIDAL PERIODICITY IN THE DAILY SETTLEMENT OF INTERTIDAL BARNACLE LARVAE AND AN HYPOTHESIZED MECHANISM FOR THE CROSS-SHELF TRANSPORT OF CYPRIDS. Biological Bulletin, 1986, 170, 429-440.	1.8	102
7	RECRUITMENT LIMITATION IN DUNGENESS CRAB POPULATIONS IS DRIVEN BY VARIATION IN ATMOSPHERIC FORCING. Ecology, 2007, 88, 1726-1737.	3.2	75
8	Surf zone physical and morphological regime as determinants of temporal and spatial variation in larval recruitment. Journal of Experimental Marine Biology and Ecology, 2010, 392, 140-150.	1.5	71
9	Topographically generated fronts, very nearshore oceanography and the distribution of larval invertebrates and holoplankters. Journal of Plankton Research, 2003, 25, 1251-1277.	1.8	64
10	Does fish larval dispersal differ between high and low latitudes?. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130327.	2.6	60
11	Windâ€induced plume and bloom intrusions into Willapa Bay, Washington. Limnology and Oceanography, 2002, 47, 1033-1042.	3.1	57
12	Observations on the distribution of meroplankton during a downwelling event and associated intrusion of the Chesapeake Bay estuarine plume. Journal of Plankton Research, 2002, 24, 391-416.	1.8	44
13	Numerical simulations of larval transport into a ripâ€channeled surf zone. Limnology and Oceanography, 2014, 59, 1434-1447.	3.1	44
14	Import of Coastally-Derived Chlorophyll a to South Slough, Oregon. Estuaries and Coasts, 2001, 24, 244.	1.7	41
15	Mechanisms of cross-shelf transport of crab megalopae inferred from a time series of daily abundance. Marine Biology, 2006, 148, 1383-1398.	1.5	41
16	Alongshore variation in barnacle populations is determined by surf zone hydrodynamics. Ecological Monographs, 2017, 87, 508-532.	5.4	39
17	Surf zones regulate larval supply and zooplankton subsidies to nearshore communities. Limnology and Oceanography, 2017, 62, 2811-2828.	3.1	39
18	Planktonic Subsidies to Surf-Zone and Intertidal Communities. Annual Review of Marine Science, 2018, 10, 345-369.	11.6	37

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19	Predator control of marine communities increases with temperature across 115 degrees of latitude. Science, 2022, 376, 1215-1219.	12.6	36
20	Observations on the distribution of meroplankton during an upwelling event. Journal of Plankton Research, 2003, 25, 645-667.	1.8	31
21	Surfzone hydrodynamics as a key determinant of spatial variation in rocky intertidal communities. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161017.	2.6	31
22	Marine heat waves, climate change, and failed spawning by coastal invertebrates. Limnology and Oceanography, 2020, 65, 627-636.	3.1	30
23	Feeding by a heterotrophic dinoflagellate (Noctiluca scintillans) in marine snow. Limnology and Oceanography, 1996, 41, 177-181.	3.1	29
24	Ocean distribution of dungeness crab megalopae and recruitment patterns to estuaries in Southern Washington State. Estuaries and Coasts, 2003, 26, 1058-1070.	1.7	28
25	Testing the intermittent upwelling hypothesis: upwelling, downwelling, and subsidies to the intertidal zone. Ecological Monographs, 2018, 88, 22-35.	5.4	28
26	Apparent oceanographic triggers to the spawning of the limpet Lottia digitalis (Rathke). Journal of Experimental Marine Biology and Ecology, 1998, 222, 31-41.	1.5	23
27	Spatio-temporal dynamics of the surf-zone faunal assemblages at a Southern Oregon sandy beach. Marine Ecology, 2011, 32, 232-242.	1.1	23
28	Time series of the abundance of the post-larvae of the crabsCancer magister andcancer spp. on the Southern Oregon coast and their cross-shelf transport. Estuaries and Coasts, 2002, 25, 1138-1142.	1.7	20
29	Topographically generated fronts, very nearshore oceanography, and the distribution of chlorophyll, detritus, and selected diatom and dinoflagellate taxa. Marine Biology, 2003, 143, 969-980.	1.5	15
30	Variation in the abundance of Pseudo-nitzschia and domoic acid with surf zone type. Harmful Algae, 2016, 55, 172-178.	4.8	14
31	Phytoplankton subsidies to the interâ€tidal zone are strongly affected by surfâ€zone hydrodynamics. Marine Ecology, 2017, 38, e12441.	1.1	14
32	The composition and density of fauna utilizing burrow microhabitats created by a non-native burrowing crustacean (Sphaeroma quoianum). Biological Invasions, 2010, 12, 1403-1413.	2.4	13
33	Continuous growth facilitates feeding and reproduction: impact of size on energy allocation patterns for organisms with indeterminate growth. Marine Biology, 2012, 159, 1417-1428.	1.5	12
34	Colonization and substratum preference of an introduced burrowing crustacean in a temperate estuary. Journal of Experimental Marine Biology and Ecology, 2008, 354, 144-149.	1.5	10
35	Population structure, northern range limit, and recruitment variation in the intertidal limpet Lottia scabra. Marine Biology, 2014, 161, 1073-1086.	1.5	10
36	Persistent Differences in Horizontal Gradients in Phytoplankton Concentration Maintained by Surf Zone Hydrodynamics. Estuaries and Coasts, 2018, 41, 158-176.	2.2	10

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37	Confirmation of the presence and use of sandy beach surf-zones by juvenile Chinook salmon. Environmental Biology of Fishes, 2009, 85, 119-125.	1.0	9
38	Fortnightly periodicity in the abundance of diatom and dinoflagellate taxa at a coastal study site. Journal of Experimental Marine Biology and Ecology, 2003, 296, 113-126.	1.5	8
39	Testing the intermittent upwelling hypothesis: reply. Ecology, 2019, 100, e02516.	3.2	8
40	Surfâ€zone hydrodynamics alter phytoplankton subsidies affecting reproductive output and growth of tidal filter feeders. Ecology, 2018, 99, 1878-1889.	3.2	7
41	Massive crab recruitment events to the shallow subtidal zone. Ecology, 2017, 98, 1468-1470.	3.2	6
42	Mechanisms of Cross-Shore Transport and Spatial Variability of Phytoplankton on a Rip-Channeled Beach. Frontiers in Marine Science, 2018, 5, .	2.5	6
43	Bridging the gap: spanning the distance between high school and college education. Frontiers in Ecology and the Environment, 2009, 7, 221-222.	4.0	4
44	Revisiting cross-shelf transport of Dungeness crab (Metacarcinus magister) megalopae by the internal tide using 16Âyears of daily abundance data. Journal of Experimental Marine Biology and Ecology, 2020, 527, 151334.	1.5	4
45	Biological Bulletin Virtual Symposium: Biology of Marine Invertebrate Larvae. Biological Bulletin, 2009, 216, 201-202.	1.8	3
46	Density of benthic macroalgae in the intertidal zone varies with surf zone hydrodynamics. Phycologia, 2019, 58, 254-259.	1.4	3
47	DISPERSAL POTENTIAL OF MARINE INVERTEBRATES IN DIVERSE HABITATS. , 2003, 13, 108.		2
48	Trophic Biomarkers Indicate Coastal Surf Zone Hydrodynamics Affect Resource Assimilation by Mytilus californianus Mussels. Estuaries and Coasts, 0, , 1.	2.2	1
49	Can the timing and duration of planktonic larval development contribute to invasion success? A case study comparing range expansion in the European green crab, Carcinus maenas, and the native lined shore crab, Pachygrapsus crassipes, in the northeast Pacific. Biological Invasions, 2022, 24, 2917-2932.	2.4	1
50	Response to Shanks. Estuarine, Coastal and Shelf Science, 2019, 228, 106312.	2.1	0
51	Comment on testing the intermittent upwelling hypothesis: Intercontinental comparisons of barnacle recruitment between South Africa and Australia. Estuarine, Coastal and Shelf Science, 2019, 228, 106313.	2.1	0