Craig W Osenberg

List of Publications by Year
in descending order

107 papers	7,871 citations	76294 40 h-index	54882 84 g-index
108 all docs	108 docs citations	108 times ranked	8935 citing authors

#	Article	IF	Citations
1	An assessment of statistical methods for nonâ€independent data in ecological metaâ€analyses: Reply. Ecology, 2022, 103, e03578.	1.5	9
2	How moonlight shapes environments, life histories, and ecological interactions on coral reefs. Emerging Topics in Life Sciences, 2022, 6, 45-56.	1.1	4
3	Thermal Traits Vary with Mass and across Populations of the Marsh Periwinkle, Littoraria irrorata. Biological Bulletin, 2022, 242, 173-196.	0.7	1
4	Extended phenotypes on coral reefs: cryptic phenotypes modulate coralâ€vermetid interactions. Ecology, 2021, 102, e03215.	1.5	1
5	Lunar rhythms in growth of larval fish. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202609.	1.2	15
6	Local versus site-level effects of algae on coral microbial communities. Royal Society Open Science, 2021, 8, 210035.	1.1	4
7	Mobility and its sensitivity to fitness differences determine consumerâ€“resource distributions. Royal Society Open Science, 2020, 7, 200247.	1.1	2
8	An assessment of statistical methods for nonindependent data in ecological metaâ€analyses. Ecology, 2020, 101, e03184.	1.5	31
9	Comparing traditional and Bayesian approaches to ecological metaâ€analysis. Methods in Ecology and Evolution, 2020, 11, 1286-1295.	2.2	14
10	Reproductive phenology across the lunar cycle: parental decisions, offspring responses, and consequences for reef fish. Ecology, 2020, 101, e03086.	1.5	23
11	Spatial aggregation of aquatic habitats affects oviposition patterns in Aedes mosquitoes. Oecologia, 2019, 190, 835-845.	0.9	2
12	Algae dictate multiple stressor effects on coral microbiomes. Coral Reefs, 2019, 38, 229-240.	0.9	11
13	Ecological evaluation of a marine protected area network: a progressiveâ€change <scp>BACIPS</scp> approach. Ecosphere, 2019, 10, e02576.	1.0	26
14	Hidden predators on coral reefs: muricid consumption of vermetids. Marine Ecology - Progress Series, 2019, 615, 121-131.	0.9	0
15	Predicting soil carbon loss with warming. Nature, 2018, 554, E4-E5.	13.7	122
16	Vermetid gastropods modify physical and chemical conditions above coralâ€“algal interactions. Oecologia, 2018, 186, 1091-1099.	0.9	6
17	No clean coal for stream animals. Nature Sustainability, 2018, 1, 160-161.	11.5	3
18	Born at the right time? A conceptual framework linking reproduction, development, and settlement in reef fish. Ecology, 2018, 99, 116-126.	1.5	23

#	Article	IF	Citations
19	Landscape configuration drives persistent spatial patterns of occupant distributions. Theoretical Ecology, 2018, 11, 111-127.	0.4	4
20	Bias in metaâ€analyses using Hedgesâ€™ d. Ecosphere, 2018, 9, e02419.	1.0	36
21	Habitatâ€dependent movement rate can determine the efficacy of marine protected areas. Ecology, 2018, 99, 2485-2495.	1.5	10
22	Faster turnover of new soil carbon inputs under increased atmospheric <scp>CO</scp>₂. Global Change Biology, 2017, 23, 4420-4429.	4.2	96
23	When environmental factors become stressors: interactive effects of vermetid gastropods and sedimentation on corals. Biology Letters, 2017, 13, 20160957.	1.0	7
24	Progressiveâ€Change BACIPS: a flexible approach for environmental impact assessment. Methods in Ecology and Evolution, 2017, 8, 288-296.	2.2	34
25	Using rarefaction to isolate the effects of patch size and sampling effort on beta diversity. Ecosphere, 2016, 7, e01612.	1.0	23
26	Mass mortality of the vermetid gastropod Ceraesignum maximum. Coral Reefs, 2016, 35, 1027-1032.	0.9	3
27	Random movement of predators can eliminate trophic cascadesÂinÂmarine protected areas. Ecosphere, 2016, 7, e01421.	1.0	12
28	Variation in the growth and survival of the tropical vermetid gastropod Ceraesignum maximum is driven by size, habitat, and density. Marine Biology, 2016, 163, 1.	0.7	4
29	Enrichment scale determines herbivore control of primary producers. Oecologia, 2016, 180, 833-840.	0.9	12
30	Application of a twoâ€pool model to soil carbon dynamics under elevated <scp>CO</scp>₂. Global Change Biology, 2015, 21, 4293-4297.	4.2	18
31	Spatial Heterogeneity, Host Movement and Mosquito-Borne Disease Transmission. PLoS ONE, 2015, 10, e0127552.	1.1	47
32	Optimal Sampling Strategies for Detecting Zoonotic Disease Epidemics. PLoS Computational Biology, 2014, 10, e1003668.	1.5	14
33	Live coral cover may provide resilience to damage from the vermetid gastropod Dendropoma maximum by preventing larval settlement. Coral Reefs, 2014, 33, 1137-1144.	0.9	5
34	Death and life: Muricid snails consume the vermetid gastropod, Dendropoma maximum, and use empty shells for reproduction. Coral Reefs, 2014, 33, 497-497.	0.9	3
35	Faster Decomposition Under Increased Atmospheric CO ₂ Limits Soil Carbon Storage. Science, 2014, 344, 508-509.	6.0	266
36	Consistent deleterious effects of vermetid gastropods on coral performance. Journal of Experimental Marine Biology and Ecology, 2013, 439, 1-6.	0.7	20

#	Article	IF	Citations
37	Emergent effects of multiple predators on prey survival: the importance of depletion and the functional response. Ecology Letters, 2012, 15, 1449-1456.	3.0	94
38	Sinks for nitrogen inputs in terrestrial ecosystems: a metaâ€analysis of ¹⁵N tracer field studies. Ecology, 2012, 93, 1816-1829.	1.5	192
39	Housekeeping Mutualisms: Do More Symbionts Facilitate Host Performance?. PLoS ONE, 2012, 7, e32079.	1.1	33
40	Differential movement and movement bias models for marine protected areas. Journal of Mathematical Biology, 2012, 64, 667-696.	0.8	13
41	Increased soil emissions of potent greenhouse gases under increased atmospheric CO2. Nature, 2011, 475, 214-216.	13.7	413
42	ECOLOGY â€“ Assessing effects of marine protected areas: confounding in space and possible solutions. , 2011, , 143-167.		29
43	Propagule redirection: Habitat availability reduces colonization and increases recruitment in reef fishes. Ecology, 2010, 91, 2826-2832.	1.5	27
44	Guard crabs alleviate deleterious effects of vermetid snails on a branching coral. Coral Reefs, 2010, 29, 1019-1022.	0.9	42
45	Sublethal toxicant effects with dynamic energy budget theory: application to mussel outplants. Ecotoxicology, 2010, 19, 38-47.	1.1	20
46	The vermetid gastropodDendropoma maximumreduces coral growth and survival. Biology Letters, 2010, 6, 815-818.	1.0	39
47	Marine reserves: Fish life history and ecological traits matter. Ecological Applications, 2010, 20, 830-839.	1.8	231
48	Benefits for Plants in Ant-Plant Protective Mutualisms: A Meta-Analysis. PLoS ONE, 2010, 5, e14308.	1.1	139
49	Effects of the fish anesthetic, clove oil (eugenol), on coral health and growth. Journal of Experimental Marine Biology and Ecology, 2009, 369, 53-57.	0.7	25
50	Assessing the effect of elevated carbon dioxide on soil carbon: a comparison of four metaâ€analyses. Global Change Biology, 2009, 15, 2020-2034.	4.2	180
51	The Golden Rule of Reviewing. American Naturalist, 2009, 173, E155-E158.	1.0	45
52	Marine reserves: size and age do matter. Ecology Letters, 2008, 11, 481-489.	3.0	516
53	QUANTIFYING SITE QUALITY IN A HETEROGENEOUS LANDSCAPE: RECRUITMENT OF A REEF FISH. Ecology, 2008, 89, 86-94.	1.5	41
54	A Framework for Assessing Impacts of Marine Protected Areas in Moorea (French Polynesia)1. Pacific Science, 2008, 62, 431-441.	0.2	18

#	Article	IF	Citations
55	Population sinks in the Upper Florida Keys: the importance of demographic variation in population dynamics of the marine shrimp Stenopus hispidus. Marine Ecology - Progress Series, 2008, 360, 135-145.	0.9	8
56	An annual cycle of biomass and productivity of Vallisneria americana in a subtropical spring-fed estuary. Aquatic Botany, 2007, 87, 61-68.	0.8	18
57	THE INFLUENCE OF INTRAGUILD PREDATION ON PREY SUPPRESSION AND PREY RELEASE: A META-ANALYSIS. Ecology, 2007, 88, 2689-2696.	1.5	192
58	Plants as Reef Fish: Fitting the Functional Form of Seedling Recruitment. American Naturalist, 2007, 170, 167-183.	1.0	67
59	Are Plant Populations Seed Limited? A Critique and Metaâ€Analysis of Seed Addition Experiments. American Naturalist, 2007, 170, 128-142.	1.0	406
60	Ontogenetic changes in habitat selection during settlement in a coral reef fish: ecological determinants and sensory mechanisms. Coral Reefs, 2007, 26, 423-432.	0.9	56
61	Oecologia enters a new era. Oecologia, 2007, 153, 207-208.	0.9	0
62	Are Plant Populations Seed Limited? A Critique and Meta-Analysis of Seed Addition Experiments. American Naturalist, 2007, 170, 128.	1.0	12
63	Plants as Reef Fish: Fitting the Functional Form of Seedling Recruitment. American Naturalist, 2007, 170, 167.	1.0	3
64	Size correction: comparing morphological traits among populations and environments. Oecologia, 2006, 148, 547-554.	0.9	179
65	CONFLICTING MANAGEMENT GOALS: MANATEES AND INVASIVE COMPETITORS INHIBIT RESTORATION OF A NATIVE MACROPHYTE. , 2004, 14, 571-586.		31
66	Resolving within- and between-population variation in feeding ecology with a biomechanical model. Oecologia, 2004, 141, 57-65.	0.9	11
67	Multi-predator effects across life-history stages: non-additivity of egg- and larval-stage predation in an African treefrog. Ecology Letters, 2003, 6, 503-508.	3.0	62
68	Reproductive investment in relation to survival risk in a livebearing fish. Journal of Fish Biology, 2003, 63, 236-236.	0.7	0
69	CRYPTIC DENSITY DEPENDENCE: EFFECTS OF COVARIATION BETWEEN DENSITY AND SITE QUALITY IN REEF FISH. Ecology, 2003, 84, 46-52.	1.5	101
70	A quantitative framework to evaluate the attraction?production controversy. ICES Journal of Marine Science, 2002, 59, S214-S221.	1.2	67
71	Experimental and observational patterns of density-dependent settlement and survival in the marine fish Gobiosoma. Oecologia, 2002, 130, 205-215.	0.9	55
72	Rethinking ecological inference: density dependence in reef fishes. Ecology Letters, 2002, 5, 715-721.	3.0	85

#	Article	IF	Citations
73	Title is missing!. Aquarium Sciences and Conservation, 2001, 3, 95-105.	0.1	30
74	Fertilization effects on species density and primary productivity in herbaceous plant communities. Oikos, 2000, 89, 428-439.	1.2	390
75	SPECIES INTRODUCTIONS AND THEIR ECOLOGICAL CONSEQUENCES: AN EXAMPLE WITH CONGENERIC SUNFISH. , 2000, 10, 612-625.		26
76	COMPLEMENTARY FORAGING BEHAVIORS ALLOW COEXISTENCE OF TWO CONSUMERS. Ecology, 1999, 80, 2358-2372.	1.5	68
77	Quantifying the effects of multiple processes on local abundance: a cohort approach for open populations. Ecology Letters, 1999, 2, 294-303.	3.0	63
78	RESOLVING ECOLOGICAL QUESTIONS THROUGH META-ANALYSIS: GOALS, METRICS, AND MODELS. Ecology, 1999, 80, 1105-1117.	1.5	341
79	Meta-analysis in Ecology: Concepts, Statistics, and Applications. Ecology, 1999, 80, 1103-1104.	1.5	59
80	META-ANALYSIS OF MARINE NUTRIENT-ENRICHMENT EXPERIMENTS: VARIATION IN THE MAGNITUDE OF NUTRIENT LIMITATION. Ecology, 1999, 80, 1157-1167.	1.5	142
81	Meta-analysis: Synthesis or statistical subjugation?. Integrative Biology: Issues, News, and Reviews, 1998, 1, 37-41.	0.7	6
82	Concordance of Phosphorus Limitation in Lakes: Bacterioplankton, Phytoplankton, Epiphyte-Snail Consumers, and Rooted Macrophytes. Ecological Studies, 1998, , 318-325.	0.4	6
83	Effect Size in Ecological Experiments: The Application of Biological Models in Metaâ€Analysis. American Naturalist, 1997, 150, 798-812.	1.0	214
84	Detection of Environmental Impacts. , 1996, , 83-108.		16
85	The Relative Importance of Resource Limitation and Predator Limitation in Food Chains. , 1996, , 134-148.		68
86	Detecting Ecological Impacts Caused by Human Activities. , 1996, , 3-16.		53
87	The Art and Science of Administrative Environmental Impact Assessment. , 1996, , 281-293.		4
88	Predicted and Observed Environmental Impacts. , 1996, , 345-369.		4
89	Distribution and abundance of benthic and demersal macrofauna within a natural hydrocarbon seep. Marine Ecology - Progress Series, 1996, 138, 71-82.	0.9	35
90	Perturbation and Resilience: A Long-Term, Whole-Lake Study of Predator Extinction and Reintroduction. Ecology, 1995, 76, 2347-2360.	1.5	173

#	Article	IF	Citations
91	Competition between Predator and Prey: Resource-Based Mechanisms and Implications for Stage-Structured Dynamics. Ecology, 1995, 76, 1758-1771.	1.5	151
92	Detection of Environmental Impacts: Natural Variability, Effect Size, and Power Analysis. , 1994, 4, 16-30.		212
93	Detecting Human Impacts in Marine Habitats. , 1994, 4, 1-2.		7
94	Stage-Structured Interactions in Bluegill: Consequences of Abult Resource Variation. Ecology, 1993, 74, 2381-2394.	1.5	90
95	Two-Stage Life Histories in Fish: The Interaction Between Juvenile Competition and Adult Performance. Ecology, 1992, 73, 255-267.	1.5	176
96	Assessing Effects of Unreplicated Perturbations: No Simple Solutions. Ecology, 1992, 73, 1396-1404.	1.5	210
97	Variation in resource abundance affects diet and feeding morphology in the pumpkinseed sunfish (Lepomis gibbosus). Oecologia, 1992, 90, 8-13.	0.9	85
98	Spatial Scale of Ecological Effects Associated with an Open Coast Discharge of Produced Water. , 1992, , 387-402.		16
99	Effects of Produced Water on Early Life Stages of a Sea Urchin: Stage-Specific Responses and Delayed Expression. , 1992, , 431-444.		15
100	Trophic Polymorphism in the Pumpkinseed Sunfish (Lepomis gibbosus Linnaeus): Effects of Environment on Ontogeny. Functional Ecology, 1991, 5, 40.	1.7	141
101	Effects of Body Size on the Predatorâ€Prey Interaction Between Pumpkinseed Sunfish and Gastropods. Ecological Monographs, 1989, 59, 405-432.	2.4	227
102	Resource limitation, competition and the influence of life history in a freshwater snail community. Oecologia, 1989, 79, 512-519.	0.9	81
103	Growth Patterns in Bluegill (Lepomis macrochirus) and Pumpkinseed (L. gibbosus) Sunfish: Environmental Variation and the Importance of Ontogenetic Niche Shifts. Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 17-26.	0.7	149
104	Trophic Relations and Ontogenetic Niche Shifts in Aquatic Ecosystems. , 1988, , 219-235.		110
105	Signals of status in wintering white-crowned sparrows, Zonotrichia leucophrys gambelii. Animal Behaviour, 1984, 32, 86-93.	0.8	112
106	Mechanisms and consequences of shell fouling in the kelp snail, Norrisia norrisi (Sowerby) (Trochidae): Indirect effects of octopus drilling. Journal of Experimental Marine Biology and Ecology, 1983, 69, 267-281.	0.7	30
107	Cryptic density dependence: integrating supply-side ecology with population regulation. , 0, , 236-241.		0