

Lisa Ann Levin

List of Publications by Citations

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236
papers

16,287
citations

64
h-index

121
g-index

250
ext. papers

20,668
ext. citations

5.7
avg, IF

6.84
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 236 | Declining oxygen in the global ocean and coastal waters. <i>Science</i> , 2018 , 359, | 33.3 | 909 |
| 235 | High-frequency dynamics of ocean pH: a multi-ecosystem comparison. <i>PLoS ONE</i> , 2011 , 6, e28983 | 3.7 | 629 |
| 234 | Biodiversity on the Rocks: Macrofauna Inhabiting Authigenic Carbonate at Costa Rica Methane Seeps. <i>PLoS ONE</i> , 2015 , 10, e0131080 | 3.7 | 538 |
| 233 | Global distribution of naturally occurring marine hypoxia on continental margins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004 , 51, 1159-1168 | 2.5 | 522 |
| 232 | Recent progress in understanding larval dispersal: new directions and digressions. <i>Integrative and Comparative Biology</i> , 2006 , 46, 282-97 | 2.8 | 500 |
| 231 | Environmental Influences on Regional Deep-Sea Species Diversity. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2001 , 32, 51-93 | | 488 |
| 230 | Man and the last great wilderness: human impact on the deep sea. <i>PLoS ONE</i> , 2011 , 6, e22588 | 3.7 | 466 |
| 229 | Taking the "waste" out of "wastewater" for human water security and ecosystem sustainability. <i>Science</i> , 2012 , 337, 681-6 | 33.3 | 394 |
| 228 | Ocean oxygen minima expansions and their biological impacts. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010 , 57, 587-595 | 2.5 | 372 |
| 227 | Biological structures as a source of habitat heterogeneity and biodiversity on the deep ocean margins. <i>Marine Ecology</i> , 2010 , 31, 21-50 | 1.4 | 358 |
| 226 | The Function of Marine Critical Transition Zones and the Importance of Sediment Biodiversity. <i>Ecosystems</i> , 2001 , 4, 430-451 | 3.9 | 309 |
| 225 | Ecology of Cold Seep Sediments. <i>Oceanography and Marine Biology</i> , 2005 , 1-46 | | 255 |
| 224 | Oxygen, ecology, and the Cambrian radiation of animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13446-51 | 11.5 | 217 |
| 223 | Complex larval connectivity patterns among marine invertebrate populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3267-72 | 11.5 | 191 |
| 222 | Foraminifera in the Arabian Sea oxygen minimum zone and other oxygen-deficient settings: taxonomic composition, diversity, and relation to metazoan faunas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 25-54 | 2.3 | 178 |
| 221 | Invasive cordgrass modifies wetland trophic function. <i>Ecology</i> , 2006 , 87, 419-32 | 4.6 | 171 |
| 220 | Relationships between oxygen, organic matter and the diversity of bathyal macrofauna. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998 , 45, 129-163 | 2.3 | 168 |

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|-----|---|------|-----|
| 219 | A call for deep-ocean stewardship. <i>Science</i> , 2014 , 344, 696-8 | 33.3 | 163 |
| 218 | Hydrothermal Vents and Methane Seeps: Rethinking the Sphere of Influence. <i>Frontiers in Marine Science</i> , 2016 , 3, | 4.5 | 162 |
| 217 | Understanding continental margin biodiversity: a new imperative. <i>Annual Review of Marine Science</i> , 2012 , 4, 79-112 | 15.4 | 161 |
| 216 | Macrobenthic community structure within and beneath the oxygen minimum zone, NW Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 189-226 | 2.3 | 157 |
| 215 | Demographic Responses of Estuarine Polychaetes to Pollutants: Life Table Response Experiments 1996 , 6, 1295-1313 | | 157 |
| 214 | Biotic and human vulnerability to projected changes in ocean biogeochemistry over the 21st century. <i>PLoS Biology</i> , 2013 , 11, e1001682 | 9.7 | 156 |
| 213 | Life History and Dispersal Patterns in a Dense Infaunal Polychaete Assemblage: Community Structure and Response to Disturbance. <i>Ecology</i> , 1984 , 65, 1185-1200 | 4.6 | 152 |
| 212 | Defining Serious harm to the marine environment in the context of deep-seabed mining. <i>Marine Policy</i> , 2016 , 74, 245-259 | 3.5 | 149 |
| 211 | The deep ocean under climate change. <i>Science</i> , 2015 , 350, 766-8 | 33.3 | 146 |
| 210 | Isotopic evidence for chemosynthesis-based nutrition of macrobenthos: The lightness of being at Pacific methane seeps. <i>Limnology and Oceanography</i> , 2002 , 47, 1336-1345 | 4.8 | 143 |
| 209 | Ecological theory and continental margins: where shallow meets deep. <i>Trends in Ecology and Evolution</i> , 2009 , 24, 606-17 | 10.9 | 142 |
| 208 | Control of deep-sea benthic community structure by oxygen and organic-matter gradients in the eastern Pacific Ocean. <i>Journal of Marine Research</i> , 1991 , 49, 763-800 | 1.5 | 142 |
| 207 | Major impacts of climate change on deep-sea benthic ecosystems. <i>Elementa</i> , 2017 , 5, | 3.6 | 134 |
| 206 | Benthic foraminifera associated with cold methane seeps on the northern California margin: Ecology and stable isotopic composition. <i>Marine Micropaleontology</i> , 2000 , 38, 247-266 | 1.7 | 129 |
| 205 | Are Spartina marshes a replaceable resource? A functional approach to evaluation of marsh creation efforts. <i>Estuaries and Coasts</i> , 1991 , 14, 1 | | 126 |
| 204 | Oxygen as a control on sea floor biological communities and their roles in sedimentary carbon cycling. <i>Limnology and Oceanography</i> , 2007 , 52, 1698-1709 | 4.8 | 124 |
| 203 | The influence of geological, geochemical, and biogenic habitat heterogeneity on seep biodiversity. <i>Marine Ecology</i> , 2010 , 31, 51-65 | 1.4 | 116 |
| 202 | MULTIPLE PATTERNS OF DEVELOPMENT IN STREBLOSPION BENEDICTI WEBSTER (SPIONIDAE) FROM THREE COASTS OF NORTH AMERICA. <i>Biological Bulletin</i> , 1984 , 166, 494-508 | 1.5 | 115 |

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| 201 | And on Top of All That—Coping with Ocean Acidification in the Midst of Many Stressors. <i>Oceanography</i> , 2015 , 25, 48-61 | 2.3 | 101 |
| 200 | From Rain Tanks to Catchments: Use of Low-Impact Development To Address Hydrologic Symptoms of the Urban Stream Syndrome. <i>Environmental Science & Technology</i> , 2015 , 49, 11264-80 | 10.3 | 100 |
| 199 | Oxygen and organic matter thresholds for benthic faunal activity on the Pakistan margin oxygen minimum zone (700–1100 m). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009 , 56, 449-474 | 7.3 | 100 |
| 198 | Mechanisms generating modification of benthos following tidal flat invasion by a <i>Spartina</i> hybrid | | 100 |
| 197 | Population Connectivity and Larval Dispersal Using Geochemical Signatures in Calcified Structures. <i>Oceanography</i> , 2007 , 20, 80-89 | 2.3 | 99 |
| 196 | Involvement of the oxygen minimum in benthic zonation on a deep seamount. <i>Nature</i> , 1990 , 346, 57-59 | 50.4 | 99 |
| 195 | Manifestation, Drivers, and Emergence of Open Ocean Deoxygenation. <i>Annual Review of Marine Science</i> , 2018 , 10, 229-260 | 15.4 | 98 |
| 194 | Pelagic and benthic ecology of the lower interface of the Eastern Tropical Pacific oxygen minimum zone. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1995 , 42, 93-115 | 2.5 | 97 |
| 193 | Submarine and deep-sea mine tailing placements: A review of current practices, environmental issues, natural analogs and knowledge gaps in Norway and internationally. <i>Marine Pollution Bulletin</i> , 2015 , 97, 13-35 | 6.7 | 95 |
| 192 | Habitat heterogeneity and its influence on benthic biodiversity in oxygen minimum zones. <i>Marine Ecology</i> , 2010 , 31, 125-147 | 1.4 | 95 |
| 191 | THE GENETIC BASIS OF LIFE-HISTORY CHARACTERS IN A POLYCHAETE EXHIBITING PLANKTOTROPHY AND LECITHOTROPHY. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 380-397 | 3.8 | 94 |
| 190 | The short-term fate of fresh algal carbon in continental slope sediments. <i>Limnology and Oceanography</i> , 1996 , 41, 1208-1219 | 4.8 | 93 |
| 189 | Can variable pH and low oxygen moderate ocean acidification outcomes for mussel larvae?. <i>Global Change Biology</i> , 2014 , 20, 754-64 | 11.4 | 89 |
| 188 | A review of methods for labeling and tracking marine invertebrate larvae. <i>Ophelia</i> , 1990 , 32, 115-144 | | 88 |
| 187 | Comparative composition, diversity and trophic ecology of sediment macrofauna at vents, seeps and organic falls. <i>PLoS ONE</i> , 2012 , 7, e33515 | 3.7 | 85 |
| 186 | Reproductive timing alters population connectivity in marine metapopulations. <i>Current Biology</i> , 2010 , 20, 1926-31 | 6.3 | 85 |
| 185 | Meiofaunal distributions on the Peru margin:. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001 , 48, 2453-2472 | 2.5 | 83 |
| 184 | Community structure and nutrition of deep methane-seep macrobenthos from the North Pacific (Aleutian) Margin and the Gulf of Mexico (Florida Escarpment). <i>Marine Ecology</i> , 2007 , 28, 131-151 | 1.4 | 82 |

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| 183 | Novel antifoulants: inhibition of larval attachment by proteases. <i>Marine Biotechnology</i> , 2007 , 9, 388-97 | 3.4 | 80 |
| 182 | Submersible- and lander-observed community patterns in the Mariana and New Britain trenches: Influence of productivity and depth on epibenthic and scavenging communities. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015 , 99, 119-133 | 2.5 | 78 |
| 181 | Effects of sediment amended with sewage, algae, or hydrocarbons on growth and reproduction in two opportunistic polychaetes. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994 , 177, 99-119 | 2.1 | 75 |
| 180 | Variations in bioturbation across the oxygen minimum zone in the northwest Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 227-257 | 2.3 | 74 |
| 179 | Global Observing Needs in the Deep Ocean. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 71 |
| 178 | Modification of Sediments and Macrofauna by an Invasive Marsh Plant. <i>Biological Invasions</i> , 2001 , 3, 51-68. | 7 | 71 |
| 177 | The Role of Benthic Foraminifera in Deep-Sea Food Webs and Carbon Cycling 1992 , 63-91 | | 70 |
| 176 | Interference interactions among tube-dwelling polychaetes in a dense infaunal assemblage. <i>Journal of Experimental Marine Biology and Ecology</i> , 1982 , 65, 107-119 | 2.1 | 67 |
| 175 | Extreme food webs: Foraging strategies and diets of scavenging amphipods from the ocean's deepest 5 kilometers. <i>Limnology and Oceanography</i> , 2007 , 52, 1685-1697 | 4.8 | 66 |
| 174 | Implications of Alternative Reproductive Modes for Seasonality and Demography in an Estuarine Polychaete. <i>Ecology</i> , 1990 , 71, 2191-2208 | 4.6 | 64 |
| 173 | Carbonate-hosted methanotrophy represents an unrecognized methane sink in the deep sea. <i>Nature Communications</i> , 2014 , 5, 5094 | 17.4 | 63 |
| 172 | Stable isotope signatures and methane use by New Zealand cold seep benthos. <i>Marine Geology</i> , 2010 , 272, 260-269 | 3.3 | 63 |
| 171 | Ecological variables for developing a global deep-ocean monitoring and conservation strategy. <i>Nature Ecology and Evolution</i> , 2020 , 4, 181-192 | 12.3 | 62 |
| 170 | Initial characterization of cold seep faunal communities on the New Zealand Hikurangi margin. <i>Marine Geology</i> , 2010 , 272, 251-259 | 3.3 | 62 |
| 169 | Regulation of benthic algal and animal communities by salt marsh plants: impact of shading. <i>Ecology</i> , 2007 , 88, 904-17 | 4.6 | 62 |
| 168 | Vertical zonation patterns of scavenging amphipods from the Hadal zone of the Tonga and Kermadec Trenches. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006 , 53, 48-61 | 2.5 | 62 |
| 167 | Habitat utilization and alteration by the invasive burrowing isopod, <i>Sphaeroma quoyanum</i> , in California salt marshes. <i>Marine Biology</i> , 2001 , 138, 561-573 | 2.5 | 62 |
| 166 | Interactions Between Metazoans and Large, Agglutinating Protozoans: Implications for the Community Structure of Deep-Sea Benthos. <i>American Zoologist</i> , 1991 , 31, 886-900 | | 62 |

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| 165 | The ecology of xenophyophores (Protista) on eastern Pacific seamounts. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1988 , 35, 2003-2027 | | 62 |
| 164 | Spatial and temporal variation in trace elemental fingerprints of mytilid mussel shells: A precursor to invertebrate larval tracking. <i>Limnology and Oceanography</i> , 2005 , 50, 48-61 | 4.8 | 61 |
| 163 | Managing Critical Transition Zones. <i>Ecosystems</i> , 2001 , 4, 452-460 | 3.9 | 61 |
| 162 | Nematode abundance at the oxygen minimum zone in the Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 75-85 | 2.3 | 61 |
| 161 | Biological mixing intensity and rates of organic carbon accumulation in North Carolina slope sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1994 , 41, 735-753 | 2.3 | 61 |
| 160 | Macrobenthos community structure and trophic relationships within active and inactive Pacific hydrothermal sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009 , 56, 1632-1648 | 2.3 | 60 |
| 159 | Surficial Hydrocarbon Seep Infauna from the Blake Ridge (Atlantic Ocean, 2150 m) and the Gulf of Mexico (690-240 m). <i>Marine Ecology</i> , 2004 , 25, 313-336 | 1.4 | 60 |
| 158 | Demographic Consequences of Larval Development Mode: Planktotrophy vs. Lecithotrophy in <i>Streblospio Benedicti</i> . <i>Ecology</i> , 1987 , 68, 1877-1886 | 4.6 | 59 |
| 157 | A strategy for the conservation of biodiversity on mid-ocean ridges from deep-sea mining. <i>Science Advances</i> , 2018 , 4, eaar4313 | 14.3 | 59 |
| 156 | A hydrothermal seep on the Costa Rica margin: middle ground in a continuum of reducing ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2580-8 | 4.4 | 58 |
| 155 | Ocean deoxygenation: Past, present, and future. <i>Eos</i> , 2011 , 92, 409-410 | 1.5 | 58 |
| 154 | Diversity of bathyal macrofauna on the northeastern Pacific margin: the influence of methane seeps and oxygen minimum zones. <i>Marine Ecology</i> , 2010 , 31, 94-110 | 1.4 | 58 |
| 153 | The fauna of hydrothermal vents on the Mohn Ridge (North Atlantic). <i>Marine Biology Research</i> , 2010 , 6, 155-171 | 1 | 58 |
| 152 | What controls connectivity? An empirical, multi-species approach. <i>Integrative and Comparative Biology</i> , 2012 , 52, 511-24 | 2.8 | 57 |
| 151 | Macrofaunal communities and sediment structure across the Pakistan margin Oxygen Minimum Zone, North-East Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009 , 56, 434-448 | 2.3 | 57 |
| 150 | Development and application of elemental fingerprinting to track the dispersal of marine invertebrate larvae. <i>Limnology and Oceanography</i> , 2000 , 45, 871-880 | 4.8 | 57 |
| 149 | Linking juvenile habitat utilization to population dynamics of California halibut. <i>Limnology and Oceanography</i> , 2008 , 53, 799-812 | 4.8 | 55 |
| 148 | Colonization, succession, and nutrition of macrobenthic assemblages in a restored wetland at Tijuana Estuary, California. <i>Estuarine, Coastal and Shelf Science</i> , 2004 , 60, 755-770 | 2.9 | 55 |

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| 147 | Evidence of the passive deposition of meiofauna into fiddler crab burrows. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989 , 125, 173-192 | 2.1 | 55 |
| 146 | Evaluating the importance of demographic connectivity in a marine metapopulation. <i>Ecology</i> , 2011 , 92, 1972-84 | 4.6 | 53 |
| 145 | EFFECTS OF ENRICHMENT ON REPRODUCTION IN THE OPPORTUNISTIC POLYCHAETESTREBLOSPIO BENEDICTI(WEBSTER): A MESOCOSM STUDY. <i>Biological Bulletin</i> , 1986 , 171, 143-160 | 1.5 | 53 |
| 144 | Deep-Sea Mining With No Net Loss of Biodiversity—An Impossible Aim. <i>Frontiers in Marine Science</i> , 2018 , 5, | 4.5 | 52 |
| 143 | Macrobenthos of <i>Spartina foliosa</i> (Pacific Cordgrass) salt marshes in Southern California: Community structure and comparison to a Pacific mudflat and a <i>Spartina alterniflora</i> (Atlantic smooth cordgrass) marsh. <i>Estuaries and Coasts</i> , 1998 , 21, 129 | | 52 |
| 142 | Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. <i>Global Change Biology</i> , 2020 , 26, 2181 | 11.4 | 50 |
| 141 | Benthic biological and biogeochemical patterns and processes across an oxygen minimum zone (Pakistan margin, NE Arabian Sea). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009 , 56, 261-270 | 2.3 | 50 |
| 140 | Influence of invasive <i>Spartina</i> growth stages on associated macrofaunal communities. <i>Biological Invasions</i> , 2007 , 9, 975-993 | 2.7 | 50 |
| 139 | Designating networks of chemosynthetic ecosystem reserves in the deep sea. <i>Marine Policy</i> , 2012 , 36, 378-381 | 3.5 | 49 |
| 138 | NATURAL AND MANIPULATED SOURCES OF HETEROGENEITY CONTROLLING EARLY FAUNAL DEVELOPMENT OF A SALT MARSH 2002 , 12, 1785-1802 | | 48 |
| 137 | Ocean commitments under the Paris Agreement. <i>Nature Climate Change</i> , 2017 , 7, 833-838 | 21.4 | 47 |
| 136 | Challenges to the sustainability of deep-seabed mining. <i>Nature Sustainability</i> , 2020 , 3, 784-794 | 22.1 | 45 |
| 135 | Incorporating ecosystem services into environmental management of deep-seabed mining. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 137, 486-503 | 2.3 | 45 |
| 134 | Methane Seep Carbonates Host Distinct, Diverse, and Dynamic Microbial Assemblages. <i>MBio</i> , 2015 , 6, e01348-15 | 7.8 | 44 |
| 133 | Control and Consequences of Alternative Developmental Modes in a Poecilogonous Polychaete. <i>American Zoologist</i> , 1994 , 34, 323-332 | | 43 |
| 132 | Cold seep epifaunal communities on the Hikurangi margin, New Zealand: composition, succession, and vulnerability to human activities. <i>PLoS ONE</i> , 2013 , 8, e76869 | 3.7 | 43 |
| 131 | Deep-Ocean Life Where Oxygen Is Scarce. <i>American Scientist</i> , 2002 , 90, 436 | 2.7 | 42 |
| 130 | Ecological release and niche partitioning under stress: Lessons from dorvilleid polychaetes in sulfidic sediments at methane seeps. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013 , 92, 214-233 | 2.3 | 40 |

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| 129 | Recruitment response of methane-seep macrofauna to sulfide-rich sediments: An in situ experiment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006 , 330, 132-150 | 2.1 | 40 |
| 128 | The Genetic Basis of Life-History Characters in a Polychaete Exhibiting Planktotrophy and Lecithotrophy. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 380 | 3.8 | 40 |
| 127 | Archaea in metazoan diets: implications for food webs and biogeochemical cycling. <i>ISME Journal</i> , 2012 , 6, 1602-12 | 11.9 | 39 |
| 126 | Response of background fauna to disturbance and enrichment in the deep sea: a sediment tray experiment. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1984 , 31, 1277-1285 | | 39 |
| 125 | Advances in Vent, Seep, Whale- and Wood-Fall Biology. <i>Marine Ecology</i> , 2007 , 28, 1-2 | 1.4 | 38 |
| 124 | Successful Blue Economy Examples With an Emphasis on International Perspectives. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 37 |
| 123 | The foraminiferan macrofauna from three North Carolina (USA) slope sites with contrasting carbon flux: a comparison with the metazoan macrofauna. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001 , 48, 1709-1739 | 2.5 | 37 |
| 122 | Comparative biogeochemistry-Ecosystem-Human interactions on dynamic continental margins. <i>Journal of Marine Systems</i> , 2015 , 141, 3-17 | 2.7 | 36 |
| 121 | Bioturbation by symbiont-bearing annelids in near-anoxic sediments: Implications for biofacies models and paleo-oxygen assessments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003 , 199, 129-140 | 2.9 | 36 |
| 120 | Methane seep ecosystem functions and services from a recently discovered southern California seep. <i>Marine Ecology</i> , 2015 , 36, 91-108 | 1.4 | 35 |
| 119 | Paleoecology and Ecology of Xenophyophores. <i>Palaios</i> , 1994 , 9, 32 | 1.6 | 35 |
| 118 | The remineralization of organic carbon on the North Carolina continental slope. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1994 , 41, 755-766 | 2.3 | 34 |
| 117 | Impacts of hypoxic events surpass those of future ocean warming and acidification. <i>Nature Ecology and Evolution</i> , 2021 , 5, 311-321 | 12.3 | 34 |
| 116 | Exploring the Ecology of Deep-Sea Hydrothermal Vents in a Metacommunity Framework. <i>Frontiers in Marine Science</i> , 2018 , 5, | 4.5 | 33 |
| 115 | The near future of the deep-sea floor ecosystems | | 33 |
| 114 | Climate change considerations are fundamental to management of deep-sea resource extraction. <i>Global Change Biology</i> , 2020 , 26, 4664-4678 | 11.4 | 32 |
| 113 | Contrasting effects of substrate mobility on infaunal assemblages inhabiting two high-energy settings on Fieberling Guyot. <i>Journal of Marine Research</i> , 1994 , 52, 489-522 | 1.5 | 32 |
| 112 | Microbes, macrofauna, and methane: A novel seep community fueled by aerobic methanotrophy. <i>Limnology and Oceanography</i> , 2013 , 58, 1640-1656 | 4.8 | 31 |

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|-----|--|------|----|
| 111 | Deep-Sea Misconceptions Cause Underestimation of Seabed-Mining Impacts. <i>Trends in Ecology and Evolution</i> , 2020 , 35, 853-857 | 10.9 | 31 |
| 110 | REVIEW: Potential roles of soil fauna in improving the efficiency of rain gardens used as natural stormwater treatment systems. <i>Journal of Applied Ecology</i> , 2015 , 52, 1445-1454 | 5.8 | 30 |
| 109 | Utilization of invasive tamarisk by salt marsh consumers. <i>Oecologia</i> , 2008 , 158, 259-72 | 2.9 | 30 |
| 108 | Microbial abundance and diversity patterns associated with sediments and carbonates from the methane seep environments of Hydrate Ridge, OR. <i>Frontiers in Marine Science</i> , 2014 , 1, | 4.5 | 28 |
| 107 | New Perceptions of Continental Margin Biodiversity 2010 , 79-102 | | 28 |
| 106 | Cold seep and oxygen minimum zone associated sources of margin heterogeneity affect benthic assemblages, diversity and nutrition at the Cascadian margin (NE Pacific Ocean). <i>Progress in Oceanography</i> , 2012 , 96, 77-92 | 3.8 | 27 |
| 105 | Microsporidia-nematode associations in methane seeps reveal basal fungal parasitism in the deep sea. <i>Frontiers in Microbiology</i> , 2014 , 5, 43 | 5.7 | 27 |
| 104 | Drift tube studies of bay-ocean water exchange and implications for larval dispersal. <i>Estuaries and Coasts</i> , 1983 , 6, 364 | | 27 |
| 103 | Physical reworking by near-bottom flow alters the metazoan meiofauna of Fieberling Guyot (northeast Pacific). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999 , 46, 2041-2052 | 2.5 | 26 |
| 102 | The influence of hydrodynamic regime on infaunal assemblages inhabiting carbonate sediments on central Pacific seamounts. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1989 , 36, 1897-1915 | | 26 |
| 101 | Connectivity clues from short-term variability in settlement and geochemical tags of mytilid mussels. <i>Journal of Sea Research</i> , 2011 , 65, 141-150 | 1.9 | 25 |
| 100 | Macrobenthic community response to copper in Shelter Island Yacht Basin, San Diego Bay, California. <i>Marine Pollution Bulletin</i> , 2011 , 62, 701-17 | 6.7 | 25 |
| 99 | Diversity and functional responses of nitrogen-fixing microbes to three wetland invasions. <i>Biological Invasions</i> , 2009 , 11, 225-239 | 2.7 | 25 |
| 98 | Living Deep: A Synopsis of Hadal Trench Ecology. <i>Marine Technology Society Journal</i> , 2009 , 43, 137-143 | 0.5 | 25 |
| 97 | The effect of experimentally increased near-bottom flow on metazoan meiofauna at a deep-sea site, with comparison data on macrofauna. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998 , 45, 625-638 | 2.5 | 25 |
| 96 | Photoperiod and temperature regulation of growth and reproduction in <i>Streblospio benedicti</i> (Polychaeta: Spionidae). <i>Invertebrate Reproduction and Development</i> , 1989 , 15, 131-142 | 0.7 | 25 |
| 95 | Microbial eukaryotic distributions and diversity patterns in a deep-sea methane seep ecosystem. <i>Environmental Microbiology</i> , 2016 , 18, 3022-43 | 5.2 | 25 |
| 94 | Biodiversity response to natural gradients of multiple stressors on continental margins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283, | 4.4 | 25 |

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|----|---|------|----|
| 93 | The role of cyanobacteria in Southern California salt marsh food webs. <i>Marine Ecology</i> , 2011 , 32, 346-363 | 1.4 | 24 |
| 92 | New insights on the trophic ecology of bathyal communities from the methane seep area off Concepción, Chile (~36°S). <i>Marine Ecology</i> , 2014 , 35, 1-21 | 1.4 | 23 |
| 91 | Occurrence and distribution of polycyclic aromatic hydrocarbons in surface sediments of San Diego Bay marinas. <i>Marine Pollution Bulletin</i> , 2017 , 114, 466-479 | 6.7 | 23 |
| 90 | Habitat compression and expansion of sea urchins in response to changing climate conditions on the California continental shelf and slope (1994-2013). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 137, 377-389 | 2.3 | 23 |
| 89 | Alteration of benthic communities associated with copper contamination linked to boat moorings. <i>Marine Ecology</i> , 2014 , 35, 46-66 | 1.4 | 23 |
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