

In Press

- Claissé, J., C. A. Blanchette, J. E. Dugan, J. Williams, J. Friewald, D. Pondella, N. K. Schooler, D. M. Hubbard, K. Davis, L. Zahn, C. Williams and J. Caselle. Biogeographic patterns of communities across diverse marine ecosystems in southern California. *Marine Ecology*. (sbc-id: 1233)
- Dugan, J. E., K. Emery, M. Alber, C. Alexander, J. Beyers, A. Gehman, N. McLenaghan and S. Sojka. Generalizing ecological effects of shoreline armoring across soft sediment environments. *Estuaries and Coasts*. (sbc-id: 1227)
- Page, H. M., S. D. Cooper, S. Wiseman, D. Bennett, K. Klose, S. Sadro, C. Nelson and T. Even. Comparisons of stable isotope (C, H, N) signatures in revealing organic matter sources and trophic relationships in headwater streams. *Canadian Journal of Fisheries and Aquatic Science*. (sbc-id: 1242)
- Schooler, N. K., J. E. Dugan, D. M. Hubbard and D. Straughan. Local scale processes drive long-term change in biodiversity of sandy beach ecosystems. *Ecology and Evolution*. (sbc-id: 1229)

Published Journal Articles and Chapters by Year

2017

- Assis, J., E. Bercibar, B. Claro, F. Alberto, D. C. Reed, P. T. Raimondi and E. A. Serrao. 2017. Major shifts at the range edge of marine forests: the combined effects of climate changes and limited dispersal. *Scientific Reports*, 7: 44348. (sbc-id: 1230)
- Castorani, M. C., D. C. Reed, P. T. Raimondi, F. Alberto, T. W. Bell, D. A. Siegel and R. D. Simons. 2017. Fluctuations in population fecundity drive demographic connectivity and structure metapopulation dynamics. *Proceedings of the Royal Society B*, 284: 20162086. (sbc-id: 1231)
- Chan, F., J. Barth, C. A. Blanchette, R. Byrne, F. Chavez, O. Cheriton, R. Feely, G. Friederich, B. P. Gaylord, T. Gouhier, S. Hacker, T. Hill, G. E. Hofmann, M. McManus, B. Menge, K. Nielsen, A. Russell, E. Sanford, J. Sevadjan and L. Washburn. 2017. Persistent spatial structuring of coastal ocean acidification in the California Current System. *Nature Scientific Reports*, 7: 2526. (sbc-id: 1232)
- Emery, K., D. Harlow, A. C. Whitmer and S. D. Gaines. 2017. Compelling evidence: an influence on middle school students' accounts that may impact decision-making about socioscientific issues. *Environmental Education Research*, 23: 115. (sbc-id: 1168)
- Hanan, E. J., C. L. Tague and J. P. Schimel. 2017. Nitrogen cycling and export in California chaparral: the role of climate in shaping ecosystem responses to fire. *Ecological Monographs*, 87: 76–90. (sbc-id: 1156)
- Hendriks Freitas, F., D. A. Siegel, S. Maritorena and E. Fields. 2017. Satellite assessment of particulate matter and phytoplankton variations in the Santa Barbara Channel and its surrounding waters: Role of surface waves. *J. Geophys. Res. Oceans*, 122: 355-371. (sbc-id: 1235)
- Jaramillo, E., J. E. Dugan, D. M. Hubbard, H. Contreras, C. Duarte and E. Acuna. 2017. Macroscale patterns in body size of intertidal crustaceans provide insights on climate change effects. *PLoS ONE*, 12: 0177116. (sbc-id: 1228)
- Kapsenberg, L., D. K. Okamoto, J. Dutton and G. E. Hofmann. 2017. Sensitivity of sea urchin fertilization to pH varies across a natural pH mosaic. *Ecology and Evolution*, 7: 1737-1750. (sbc-id: 1237)
- Koweeck, D., K. J. Nickols, P. pleary, S. Litvin, T. W. Bell, T. Luthin, D. Mucciarone, R. Dunbar and S. Lummis. 2017. A year in the life of a central California kelp forest: physical and biological insights into carbon cycling. *Biogeosciences*, 14: 31-44. (sbc-id: 1238)
- McLaughlin, K., A. Dickson, S. Weisberg, K. Coale, V. Elrod, C. chunter, K. Johnson, S. Dramb, R. Kudela, T. Martz, K. Negrey, U. Passow, F. Shaughnessy, J. Smith, D. Tadesse, L. Washburn and K. Weis. 2017. An evaluation of ISFET sensors for coastal pH monitoring applications. *Regional Studies in Marine Science*, 12: 11. (sbc-id: 1241)

2016

- Abelson, A., B. S. Halpern, D. C. Reed, G. Kendrick, J. Belmaker, R. J. Orth, M. Beck, G. Krause, E. Airoidi, E. Brokovich, G. Edgar, R. France, N. Shashar, A. de Blaeij, M. Shechter and P. Nelson. 2016. Restoration of marine ecosystems: A need for ecological-social concept upgrade. *BioScience*, 66: 156-163. (sbc-id: 1143)
- Blanchette, C. A., M. D. Denny, J. M. Engle, B. Helmuth, L. P. Miller, K. J. Nielsen and K. Smith. 2016. Intertidal. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1141)
- Carr, M. H. and D. C. Reed. 2016. Shallow rocky reefs and kelp forests. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1007)
- Dugan, J. E. and D. M. Hubbard. 2016. Sandy beach ecosystems. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1008)
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- Hanan, E. J., J. P. Schimel, K. Dowdy and C. D'Antonio. 2016. Effects of substrate supply, pH, and char on net nitrogen mineralization and nitrification along a wildfire-structured age gradient in chaparral. *Soil Biology and Biochemistry*, 95: 87-99. (sbc-id: 1146)
- Hanan, E. J., C. M. D'Antonio, D. A. Roberts and J. P. Schimel. 2016. Factors regulating nitrogen retention during the early stages of recovery from fire in coastal chaparral ecosystems. *Ecosystems*, 5: 910–926. (sbc-id: 1147)
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- Holbrook, S. J. 2016. Kelp Forests, Coral Reefs and the LTER Program: Synergies and Impacts on a Scientific Career. in: *Long-Term Environmental Research: Changing the Nature of Scientists*. Walker, L. R. and M. R. M.R. Willig, eds. Oxford University Press. (sbc-id: 1139)

- Jones, J., J. Sweet, M. A. Brzezinski, H. McNair and U. Passow. 2016. Evaluating Carbonate System Algorithms in a Nearshore System: Does Total Alkalinity Matter?. *PLoS ONE*, 11: e0165191. (sbc-id: 1236)
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- Kroeker, K. J., E. Sanford, J. M. Rose, C. A. Blanchette, F. Chan, F. P. Chavez, B. P. Gaylord, B. Helmuth, T. M. Hill, G. E. Hofmann, M. A. McManus, B. A. Menge, K. J. Nielsen, P. T. Raimondi, A. D. Russell and L. Washburn. 2016. Interacting environmental mosaics drive geographic variation in mussel performance and predation vulnerability. *Ecology Letters*, 7: 771–779. (sbc-id: 1149)
- Krumhans, K., D. K. Okamoto, A. Rassweiler, M. Novak, J. Bolton, K. C. Cavanaugh, S. Connell, C. Johnson, B. Conar, S. Ling, F. Micheli, K. Norderhaug, A. Perez-Matus, I. Sousa-Pinto, D. C. Reed, A. Salomon, N. Shears, T. Wernberg, R. Anderson, N. Barrett, A. Buschmann, M. Carr, J. Caselle, S. Derrien-Courtel, G. Edgar, M. Edwards, J. Estes, C. Goodwin, M. Kenner, D. Kushner, F. Moy, J. Nunn, R. Steneck, J. Vásquez, J. Watson, J. Witman and J. E. Byrnes. 2016. Global patterns of kelp forest change over the past half-century. *Proc. Nat. Acad. Sci.*, 113: 13785-13790. (sbc-id: 1239)
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- Morton, D. N., T. W. Bell and T. W. Anderson. 2016. Spatial synchrony of amphipods in giant kelp forests. *Marine Biology*, 163: 32. (sbc-id: 1150)
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- O'Brien, M. C., D. Costa and M. Servilla. 2016. Ensuring the quality of data packages in the LTER network data management system. *Ecological Informatics*, 36: 237-246. (sbc-id: 1160)
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- Rodriguez, G. E., D. C. Reed and S. J. Holbrook. 2016. Blade life span, structural investment, and nutrient allocation in giant kelp. *Oecologia*, 182: 397. (sbc-id: 1152)
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