

## 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)
- Guerrini, A., D. Burnette and J. E. Dugan. Invisible Landscapes: Perception, Heritage, and Coastal Change in Southern California. in: *Coastal Heritage and Cultural Resilience*. Dickey, E., eds. Springer Nature. (sbc-id: 1280)
- 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)
- Reynolds, L. C., A. R. Simms, A. E. Jarque, B. King, R. S. Anderson, I. I. jacarlindjbentz, T. K. Rockwell and R. Peterson. Coastal flooding and the 1861–2 California storm season. *Marine Geology*. (sbc-id: 1298)
- Wear, E. K., E. G. Wilbanks, C. E. Nelson and C. A. Carlson. Primer selection impacts specific population abundances but not community dynamics in a monthly time-series 16S rRNA gene amplicon analysis of coastal marine bacterioplankton. *Environmental Microbiology*. (sbc-id: 1289)
- Wong, J., K. Johnson, M. Kelly and G. E. Hofmann. Transcriptomics reveal transgenerational effects in purple sea urchins exposed to upwelling conditions, and the response of their progeny to differential pCO<sub>2</sub> levels. *Molecular Ecology*. (sbc-id: 1291)

## Published Journal Articles and Chapters by Year

### 2018

- Aguilera, R. and J. M. Melack. 2018. Concentration-discharge responses to storm events in coastal California watersheds. *Water Resources Research*, 54: 407-424. (sbc-id: 1276)
- Bell, T. W., D. C. Reed, N. Nelson and D. A. Siegel. 2018. Regional patterns of physiological condition determine giant kelp net primary production dynamics. *Limnology and Oceanography*, 63: 472-483. (sbc-id: 1278)
- Caselle, J., K. Davis and L. M. Marks. 2018. Marine management affects the invasion success of a non-native species in a temperate reef system in California, USA. *Ecology Letters*, 21: 43-53. (sbc-id: 1290)
- Lamy, T., D. C. Reed, A. . Rassweiler, D. A. Siegel and L. . Kui. 2018. Scale-specific drivers of kelp forest communities. *Oecologia*, 186: 217-233. (sbc-id: 1284)
- Miller, R. J., K. Lafferty, T. Lamy, L. . Kui, A. . Rassweiler and D. C. Reed. 2018. Giant kelp, *Macrocystis pyrifera*, increases faunal diversity through physical engineering. *Proc. R. Soc. B*, 285: 20172571. (sbc-id: 1285)

### 2017

- Aristizabal, M. F., M. R. Fewings and L. Washburn. 2017. Effects of the relaxation of upwelling-favorable winds on the diurnal and semidiurnal water temperature fluctuations in the Santa Barbara Channel, California. *Journal of Geophysical Research: Oceans*, 122: 7958-7977. (sbc-id: 1277)
- 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)
- Dauhajre, D., J. C. McWilliams and Y. Uchiyama. 2017. Submesoscale Coherent Structures on the Continental Shelf. *Journal of Physical Oceanography*, 47: 2949-2976. (sbc-id: 1279)
- 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)
- Fewings, M. R. 2017. Large-scale structure in wind forcing over the California Current System in summer. *Monthly Weather Review*, 145: 4227-4247. (sbc-id: 1281)
- Flynn, R., M. R. Fewings, C. Gotschalk and K. Lombardo. 2017. Large#scale anomalies in sea#surface temperature and air-sea fluxes during wind relaxation events off the United States west coast in summer. *Journal of Geophysical Research: Ocean*, 122: 2574-2594. (sbc-id: 1282)
- 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)
- Henderikx Freitas, F., D. A. Siegel, S. Maritorea 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)
- James, A. ., U. . Passow, M. A. Brzezinski, R. Parsons, J. Trapani and C. A. Carlson. 2017. Elevated pCO<sub>2</sub> enhances bacterioplankton removal of organic carbon. *PloS One*. (sbc-id: 1283)
- 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)
- Kowek, 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)
- Schooler, N. K., J. E. Dugan, D. M. Hubbard and D. Straughan. 2017. Local scale processes drive long-term change in biodiversity of sandy beach ecosystems. *Ecology and Evolution*, 7: 4822-4834. (sbc-id: 1229)
- Washburn, L. ., E. . Romero, C. Johnson, B. M. Emery and C. . Gotschalk. 2017. Measurement of antenna patterns for oceanographic radars using aerial drones. *Journal of Atmospheric and Oceanic Technology*, 35: 971-981. (sbc-id: 1288)

## 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)
- Fewings, M. R., L. Washburn, C. Dorman, C. Gotschalk and K. Lombardo. 2016. Synoptic Forcing of Wind Relaxations at Pt. Conception, California. *J. Geophys. Res. Oceans*, 121: 5711–5730. (sbc-id: 1155)
- 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. ., 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)
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- Liebowitz, D., K. J. Nielsen, J. E. Dugan, S. G. Morgan, D. P. Malone, J. Largier, D. M. Hubbard and M. H. Carr. 2016. Ecosystem connectivity and trophic subsidies of beach ecosystems. *Ecosphere*, 7: e01503. (sbc-id: 1157)
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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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