

Publications (\* denotes student)

- 79) Rasher DB, RS Steneck, JA Estes, J Halfar , KJ Kroeker, JB Ries, PTW Chan , J Fietzke, NA Kamenos, B Konar, JS Lefcheck, CJ Norley , BP Weitzman, and IT Westfield. Submitted. Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. *Science*.
- 78) Gabara S, M Edwards, and B Konar. Submitted. Biodiversity loss leads to reductions in community-wide trophic complexity. *Ecosphere*.
- 77) Weitzman BP, B Konar, K Iken, H Coletti, D Monson, R Suryan, T Dean, D Hondelero, and M Lindeberg. Submitted. Changes in rocky intertidal community structure during a marine heatwave in the northern Gulf of Alaska. *Frontiers in Marine Science*.
- 76) \*Weitzman BP and B Konar. 2020. Biological correlates of sea urchin recruitment in kelp forest and urchin barren habitats. In Press in *Marine Ecology Progress Series*
- 75) Edwards M, B Konar, J-H Kim, S Gabara, G Sullaway, TA McHugh, M Spector, and SL Small. 2020. Marine deforestation leads to widespread loss of ecosystem function. In Press in *PLoS ONE*.
- 74) \*Ulaski BP, B Konar, and EO Otis. 2020. Seaweed reproduction and harvest rebound in southcentral Alaska: implications for wild stock management. In Press in *Estuaries and Coasts*.
- 73) \*Bland A, B Konar, and M Edwards. 2019. Spatial trends and environmental drivers of epibenthic shelf community structure across the Aleutian Islands. *Continental Shelf Research* 175:12-29.
- 72) \*Metzger JR, B Konar, and MS Edwards. 2019. Assessing a macroalgal foundation species: community variation with shifting algal assemblages. *Marine Biology* 166:156.
- 71) Duffy JE, L Benedetti-Cecchi, J Trinanes, FE Muller-Karger, R Ambo-Rappe, C Boström, AH Buschmann, J Byrnes, RG Coles, J Creed, and LC Cullen-Unsworth. 2019. Toward a coordinated global observing system for seagrasses and marine macroalgae. *Frontiers in Marine Science* 6:317.
- 71) Konar B, \*TJ Mitchell, K Iken, H Coletti, T Dean, D Esler, M Lindeberg, B Pister, and \*B Weitzman. 2019. Wasting disease and static environmental variables drive sea star assemblages in the Northern Gulf of Alaska. *Journal of Experimental Marine Biology and Ecology* 520, p.151209.
- 70) Ebert TA, LM Barr, JL Bodkin, D Burcham, D Bureau, HS Carson, N Caruso, JE Caselle, JT Claisse, S Clemente and K Davis. 2018. Size, growth, and density data for shallow-water sea urchins from Mexico to the Aleutian Islands, Alaska, 1956–2016. *Ecology* 99:761-761.
- 69) \*Traiger SB and B Konar. 2018. Mature and developing kelp bed community composition in a glacial estuary. *Journal of Experimental Marine Biology and Ecology* 501:26-35.
- 68) Konar B and K Iken. 2018. The use of unmanned aerial vehicle imagery in intertidal monitoring. *Deep Sea Research Part II: Topical Studies in Oceanography* 147:79-86.
- 67) \*Lind AC and B Konar. 2017. Effects of abiotic stressors on kelp early life-history stages. *Algae* 32:223-233.
- 66) Konar B, L Frisch, and SB Moran. 2017. Development of best practices for scientific research vessel operations in a changing Arctic: A case study for *R/V Sikuliaq*. *Marine Policy* 86:182-189.

- 65) \*Traiger SB and B Konar. 2017. Supply and survival: glacial melt imposes limitations at the kelp microscopic life stage. *Botanica Marina* 60:603-617.
- 64) \*Groß J, B Konar, T Brey, and JM Grebmeier. 2017. Size-frequency Distribution, Growth, and Mortality of snow crab (*Chionoecetes opilio*) and Arctic lyre crab (*Hyas coarctatus*) in the Chukchi Sea from 2009 to 2013. *Deep Sea Research* 144:142-155.
- 63) \*Fox AL, JH Trefry, RP Trocine, KH Dunton, BK Lasorsa, B Konar, CJ Ashjian, and LW Cooper. 2017. Mercury biomagnification in food webs of the northeastern Chukchi Sea, Alaskan Arctic. *Deep Sea Research Part II: Topical Studies in Oceanography* 144:63-77.
- 62) Konar B, MS Edwards, \*A Bland, \*J Metzger, \*A Ravelo, \*S Traiger and \*B Weitzman. 2017. A swath across the great divide: Kelp forests across the Samalga Pass biogeographic break. *Continental Shelf Research* 143:78-88.
- 61) \*Ravelo A, B Konar, B Bluhm, and K Iken. 2017. Growth and production of the brittle stars *Ophiura sarsii* and *Ophiocten sericeum* (Echinodermata: Ophiuroidea). *Continental Shelf Research* 139:9-20.
- 60) Krumhansl KA, DK Okamoto, A Rassweiler, M Novak, JJ Bolton, KC Cavanaugh, SD Connell, CR Johnson, B Konar, SD Ling, F Micheli, K Norderhaug, A Pérez-Matus, I Sousa-Pinto, D Reed, A Salomon, NT Shears, T Wernberg, RJ Anderson, N Barrett, AH Buschmann, MH Carr, JE Caselle, S Derrien-Courtel, G Edgar, ME Edwards, J Estes, C Goodwin, MC Kenner, DJ Kushner, FE Moy, J Nunn, RS Steneck, JA Vásquez, J Watson, J Witman, and JEK Byrnes. 2016. Global patterns of kelp forest change over the past half-century. *PNAS*. 113 (48) 13785-13790 .
- 59) \*Traiger SB, B Konar, A Doroff, and L McCaslin. 2016. Sea otters versus sea stars as major clam predators: evidence from foraging pits and shell litter. *Marine Ecology Progress Series* 560:73-86.
- 58) Konar B, K Iken, H Coletti, D Monson, and \*B Weitzman. 2016. Influence of static habitat attributes on local and regional rocky intertidal community structure. *Estuaries and Coasts* 39:1735-1745. DOI: 10.1007/s12237-016-0114-0.
- 57) Grebmeier JM, BA Bluhm, LW Cooper, SL Danielson, KR Arrigo, AL Blanchard, JT Clarke, RH Days, KE Frey, RR Gradinger, M Kedra, B Konar, KJ Kuletz, SH Lee, JR Lavvorn, BL Norcross, and SR Okkonen. 2015. Ecosystem characteristics and processes facilitating persistent macrobenthic biomass hotspots and associated benthivory in the Pacific Arctic. *Progress in Oceanography* 136:92-114.
- 56) Bougeois L, B Williams, J Halfar, B Konar, W Adey, A Kronz, and U Wortmann. 2015. Does the coralline alga *Leptophytum foecundum* (Kjellman) capture paleoenvironmental variability in the Arctic Ocean? *Arctic, Antarctic, and Alpine Research* 47:375-387.
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- 54) Konar B, M Edwards, and \*T Efird. 2015. Local habitat and regional oceanographic influence on fish distribution pattern in the diminishing kelp forests across the Aleutian Archipelago. *Environmental Biology of Fishes* 98:1935-1951.

- 53) \*Stewart N, B Konar, and MT Tinker. 2015. Testing the nutritional-limitation, predator- avoidance, and storm-avoidance hypotheses for restricted sea otter habitat use in the Aleutian Islands, Alaska. *Oecologia* 177:645-655.
- 52) \*Schuster M and B Konar. 2014. Foliose algal assemblages and deforested barren areas: phlorotannin content, sea urchin grazing and holdfast community structure in the Aleutian dragon kelp, *Eualaria fistulosa*. *Marine Biology* 161:2319-2332.
- 51) Konar B, MS Edwards and JA Estes. 2014. Biological interactions maintain the boundaries between kelp forests and urchin barrens in the Aleutian Archipelago. *Hydrobiologia* 724:91- 107.
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- 49) \*Stewart N, B Konar, and A Doroff. 2014. Sea otter (*Enhydra lutris*) foraging habitat use in a heterogeneous environment in Kachemak Bay off Alaska. *Bulletin of Marine Science* 90:921- 939.
- 48) \*Fox AL, \*EA Hughes, RP Trocine, JH Trefry, SV Schonberg, \*ND McTigue, BK Lasorsa, B Konar, and LW Cooper. 2014. Mercury in the northeastern Chukchi Sea: Distribution patterns in seawater and sediments and biomagnification in the benthic food web. *Deep Sea Research Part II: Topical Studies in Oceanography* 102:56-67.
- 47) \*Ravelo AM, B Konar, JH Trefry, and JM Grebmeier. 2014. Epibenthic community variability in the northeastern Chukchi Sea. *Deep Sea Research Part II: Topical Studies in Oceanography* 102:119-131.
- 46) Konar B, \*A Ravelo, J Grebmeier, and JH Trefry. 2014. Size frequency distributions of key epibenthic organisms in the eastern Chukchi Sea and their correlations with environmental parameter. *Deep Sea Research Part II: Topical Studies in Oceanography* 102:107-118.
- 45) Konar B. 2013. Lack of recovery from disturbance in high-arctic boulder communities. *Polar Biology* 36:1205-1214.
- 44) Pearse JS, MH Carr, CH Baxter, JM Watanabe, MS Foster, DL Steller, JA Coyer, B Konar, DO Duggins, and PK Dayton. 2013. Kelpbeds as classrooms: perspectives and lessons learned. *Smithsonian Contributions to the Marine Sciences*; no. 39:133-142.
- 43) Miloslavich P, JJ Cruz-Motta, E Klein, K Iken, V Weinberger, B Konar, T Trott, G Pohle, G Bigatti, L Benedetti-Cecchi, Y Shirayama, A Mead, G Palomo, and AC Peralta. 2013. Large-scale spatial distribution patterns of gastropod assemblages in rocky shores. *PLoS-ONE* DOI: 10.1371/journal.pone.0071396.
- 42) \*Stewart N and B Konar. 2012. Kelp forests versus urchin barrens: alternate stable states and their effect on sea otter prey quality in the Aleutian Islands. *Journal of Marine Biology* Article ID 492308, doi:10.1155/2012/492308.
- 41) \*Deiman M, K Iken and B Konar. 2012. Susceptibility of *Nereocystis luetkeana* (Laminariales, Ochrophyta) and *Eualaria fistulosa* (Laminariales, Ochrophyta) spores to sedimentation. *Algae* 27:115-123.
- 40) Edwards M and B Konar. 2012. A comparison of dragon kelp, *Eualaria fistulosa*, fecundity in urchin barrens and nearby kelp beds throughout the Aleutian Archipelago. *Journal of Phycology* 48:897-901.

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- 38) Pohle G, K Iken, KR Clarke, T Trott, B Konar, JJ Cruz-Motta, M Wong, L BenedettiCecchi, A Mead, P Miloslavich, N Mieszkowska, R Milne, L Tamburello, A Knowlton, E Kimani, and Y Shirayama. 2011. Aspects of benthic decapod diversity and distribution from rocky nearshore habitat at geographically widely dispersed sites. *PLoS ONE* 6(4): e18606.doi:10.1371/journal.pone.0018606.
- 37) O'Dor R, J Acosta, O Aksel Bergstad, R Brainard, J Bratney, M Canals, D Costa, J Gunn, JK Horne, K Iken, J Kocik, B Konar, J Payne, C Reid, B Robison, D Steinke, and E Vanden Berghe. 2010. Bringing new life to ocean observation. In: Hall J, DE Harrison and D Stammer (eds) *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society*, ESA Publication WPP-30.
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- 34) Konar B, K Iken, JJ Cruz-Motta, L Benedetti-Cecchi, A Knowlton, G Pohle, P Miloslavich, M Edwards, T Trott, E Kimani, R Riosmena-Rodríguez, M Wong, S Jenkins, A Silva, I Sousa Pinto, and Y Shirayama. 2010. Current patterns of macroalgal diversity and biomass in Northern Hemisphere rocky habitats. *PLoS ONE* 5:e13195.
- 33) Benedetti-Cecchi L, K Iken, B Konar, JJ Cruz Motta, A Knowlton, G Pohle, A Castelli, L Tamburello, A Mead, T Trott, P Miloslavich, M Wong, Y Shirayama, C Lardicci, G Palomo, and E Maggi. 2010. Spatial relationships between polychaete assemblages and environmental variables. *PLoS ONE* 5:e12946.
- 32) Iken K, B Konar, Benedetti-Cecchi L, JJ Cruz Motta, A Knowlton, G Pohle, A Mead, P Miloslavich, M Wong, T Trott, N Mieszkowska, R Riosmena-Rodríguez, L Airoidi, E Kimani, Y Shirayama, S Frascchetti, M Ortiz-Touzet, and A Silva. 2010. Large-scale spatial distribution patterns of echinoderms in nearshore rocky habitats. *PLoS ONE* 5:e13845.
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- 28) Konar B and K Iken. 2009. Influence of taxonomic resolution and morphological functional groups in multivariate analyses of macroalgal populations. *Phycologia* 48:24-31.
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- 26) Bluhm BA, KO Coyle, B Konar, and R Highsmith. 2007. High gray whale densities associated with an oceanographic front in the south-central Chukchi Sea. *Deep Sea Research II* 54:2919-2933.
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