

**PUBLICATIONS (Peer-reviewed):** *students supervised are underlined*

88. Roncallia, V., M.C. Cieslak, S.A. Sommer, **R.R. Hopcroft**, & P.H. Lenz. 2018. *De novo* transcriptome assembly of the calanoid copepod *Neocalanus flemingeri*: A new resource for emergence from diapause. *Mar. Gen.* **37**:114-119.
87. Batten, S.D., D.E. Raitsos, S. Danielson, **R.R. Hopcroft**, K.O. Coyle & A. McQuatters-Gollop. 2018. Interannual variability in lower trophic levels on the Alaskan Shelf. *Deep-Sea Res. II.* **147**: 58-68.
86. Blanchard, A.L, R.H. Day, A.E. Gall, L.A.M. Aerts, J. Delarue, E.L. Dobbins, **R.R. Hopcroft**, J.M. Questel, T.J. Weingartner, & S.S. Wisdom. 2017. Ecosystem variability in the offshore Northeastern Chukchi Sea. *Prog. Oceanogr.* **159**:130-153.
85. Lindsay, D.J., M.M. Grossmann, B. Bentlage, A.G. Collins, R. Minemizu, **R.R. Hopcroft**, H. Miyake, M. Hidaka-Umetsu, & J. Nishikawa. 2017. The perils of online biogeographic databases: A case study with the “monospecific” genus *Aegina* (Cnidaria, Hydrozoa, Narcomedusae). *Mar. Biol. Res.* **13**: 494-512.
84. McFarlin, K.M., J.M. Questel, **R.R. Hopcroft**, & M.B. Leigh. 2017. Bacterial community structure and functional potential in the Northeastern Chukchi Sea. *Cont. Shelf Res.* **136**:20-28.
83. Smoot, C.S. & **R.R. Hopcroft**. 2017. Depth-stratified community structure of Beaufort Sea slope zooplankton and its relations to water masses. *J. Plankton Res.* **39**:65-78.
82. Smoot, C.S. & **R.R. Hopcroft**. 2017. Cross-shelf gradients of epipelagic zooplankton communities of the Beaufort Sea and the influence of localized hydrographic features. *J. Plankton Res.* **39**:79-91
81. Ershova, E.A., **R.R. Hopcroft**, K.N. Kosobokova & J.M. Questel. 2017. Population structure and production of four sibling species of *Pseudocalanus* spp. in the Chukchi Sea. *J. Plankton Res.* **39**:48-64.
80. Sousa, L., K.O. Coyle, R.P. Barry, T.J. Weingartner, & **R.R. Hopcroft**. 2016. Climate-related variability in abundance of mesozooplankton in the northern Gulf of Alaska 1998-2009. *Deep-Sea Res. II.* **132**: 122-135.
79. Li, K.Z., A.J. Doubleday, M.D. Galbraith, & **R.R. Hopcroft**. 2016. High abundance of salps in the coastal Gulf of Alaska during 2011: a first record of bloom occurrence for the northern Gulf. *Deep-Sea Res. II.* **132**: 126-145.
78. Pyataeva, S.V., **R.R. Hopcroft**, D.J. Lindsay & A.G. Collins. 2016. DNA barcodes unite two problematic taxa: the meiobenthic *Boreohydra simplex* is a life-cycle stage of *Platocnide borealis*. *Zootaxa* **4150**: 085-092.
77. Questel, J.M., **R.R. Hopcroft**, L. Blanco-Bercial & A. Bucklin. 2016. Phylogeography and connectivity of the *Pseudocalanus* (Copepoda: Calanoida) species complex in the eastern North Pacific and the Pacific Arctic Region. *J. Plankton Res.* **38**:610-623.
76. Nigro, L.M., M.V. Angel, K. Blachowiak-Samolyk, **R.R. Hopcroft** & A. Bucklin. 2016. Identification, discrimination, and discovery of species of marine planktonic ostracods using DNA barcodes. *PLOS-One.* 11: e0146327. doi:10.1371/journal.pone.0146327
75. Kayal, E., B. Bentlage, P. Cartwright, A.A. Yanagihara, D.J. Lindsay, **R.R. Hopcroft**, & A.G. Collins. 2015. Phylogenetic analysis of higher-level relationships within Hydroidolina (Cnidaria: Hydrozoa) using mitochondrial genome data and insight into their mitochondrial transcription. *PeerJ* **3**:e1403.
74. Ershova, E.A., **R.R. Hopcroft**, K.N. Kosobokova, K. Matsuno, R. J. Nelson & A. Yamaguchi. 2015. Long-term changes in summer zooplankton communities of the western Chukchi Sea, 1945-2012. *Oceanography* **28**: 100-115.

73. Pisareva, M.N., R.S. Pickart, K. Iken, E.A. Ershova, J.M. Grebmeier, L.W. Cooper, B.A. Bluhm, C. Nobre, **R.R. Hopcroft**, H. Hu, J. Wang, C.J. Ashjian, X.N. Kosobokova, & T.E. Whitledge. 2015. Patterns of Benthic Fauna and Zooplankton in the Chukchi Sea in Relation to the Physical Forcing. *Oceanography* 28: 68-83.
72. Wassmann, P., K.N. Kosobokova, D. Slagstad, K. Drinkwater, R.R. Hopcroft, S.E. Moore, I. Ellingsen, R.J. Nelson, E. Popova, J. Berge, & E. Carmack. 2015. The contiguous domains of Arctic Ocean advection: trails of life and death. *Prog. Oceanogr.* 139: 42-65.
71. Ershova, E.H., **R.R. Hopcroft** & K.N. Kosobokova. 2015. Inter-annual variability of summer mesozooplankton communities of the western Chukchi Sea: 2004-2012. *Polar Biol.* 38: 1461-1481
70. Doubleday, A.J. & **R.R. Hopcroft**. 2015. Seasonal and Interannual Patterns of Larvaceans and Pteropods in the Coastal Gulf of Alaska, and their Relationship to Pink Salmon Survival. *J. Plankton. Res.* 37: 134-150.
69. Roberts, D., **R.R. Hopcroft** & G.W. Hosie. 2014. Chapter 6.4. Southern Ocean Pteropods, p. 276-283. In C. De Broyer et al. [eds.], Biogeographic Atlas of the Southern Ocean. *Scientific Committee on Antarctic Research*.
68. Roberts, D., W.R. Howard, J.L. Roberts, S.G. Bray, A.D. Moy, T.W. Trull, & **R.R. Hopcroft**. 2014. Diverse trends in shell weight of three Southern Ocean pteropod taxa collected with Polar Frontal Zone sediment traps from 1997 to 2007. *Polar Biol.* 37:1445-1458.
67. Mathis, J.T., Grebmeier, J.M., Hansell, D.A., **Hopcroft, R.R.**, Kirchman, D.L., Lee, S.H., Moran, S.B., Bates, N.R., VanLaningham, S., Cross, J.N. & Cai, W.-J. 2014. *Carbon Biogeochemistry of the Western Arctic: Primary Production, Carbon Export and the Controls on Ocean Acidification*. In: Grebmeier, J.M., Maslowski, W. (eds.) The Pacific Arctic Sector: status and trends, Springer, New York. pp 223-268.
66. Nelson, R.J., **Hopcroft, R.R.**, Kosobokova, K.N., Hunt, B.P.V., Young, K., 2014. Biodiversity and Biogeography of metazoan Zooplankton of the Pacific Arctic Region – Sensitivities to Climate Change, In: Grebmeier, J.M., Maslowski, W. (Eds.), The Pacific Arctic Sector: status and trends. Springer, New York. pp. 239-336
65. Howes, E.L., N. Bednaršek, J. Büdenbender, S. Comeau, A. Doubleday, S.M. Gallager, **R.R. Hopcroft**, S. Lischka, A.E. Maas, J. Bijma, & J.-P. Gattuso. 2014. Sink and swim, a status review of thecosome pteropod culture techniques. *J. Plankton Res.* 36: 299-315.
64. Liu, H., **R.R. Hopcroft** & H. Bi. 2013. Statistical modeling of copepod growth rates: comparisons for data collections using the artificial cohort (AC) method. *J. Exp. Mar Biol. Ecol.* 448: 271–280.
63. Coyle, K.O., G.A. Gibson, K. Hedstrom, A. Hermann, & **R.R. Hopcroft**. 2013. Zooplankton biomass, advection and production on the northern Gulf of Alaska shelf from simulations and field observations. *J. Mar. Sys.* 128: 185-207.
62. Day, R.H., T.J. Weingartner, **R.R. Hopcroft**, L.A.M. Aerts, A.L. Blanchard, A.E. Gall, B.J. Gallaway, D.E. Hannay, B.A. Holladay, J.T. Mathis, B.L. Norcross, J.M. Questel, & S.S. Wisdom. 2013. The offshore northeastern Chukchi Sea: a complex high-latitude system. *Cont. Shelf Res.* 67: 147-165.
61. Questel, J.M., C. Clarke, & **R.R. Hopcroft**. 2013. Seasonal and interannual variation in the planktonic communities of the northeastern Chukchi Sea during the summer and early fall. *Cont. Shelf. Res.* 67: 23-41.
60. Hunt, G.L., Jr., A.L. Blanchard, P. Boveng, P. Dalpadado, K. Drinkwater, L. Eisner, **R.R. Hopcroft**, K. Kovacs, B. Norcross, P. Renaud, M. Reigstad, G.A. Whitehouse & R. Woodgate. 2013. The Barents and Chukchi Seas Compared: Why does the Barents support more productive fisheries? *J. Mar. Sys.* 109-110: 43-68

59. Appeltans, W., *et al.* (**R.R. Hopcroft** among 122 others) 2012. The Magnitude of Global Marine Species Diversity. *Curr. Biol.* **22**: 2189-2202
58. Michel, C., B. Bluhm, V. Galluci, T. Gaston, F.J.L. Gordillo, **R.R. Hopcroft**, N. Jensen, T. Mustonen, A. Niemi, T.G. Nielsen, H. Meltofte. 2012. Biodiversity of Arctic Marine Ecosystems and Responses to Climate Change. *Biodiversity* **13**: 200-214
57. Howard, W., D. Roberts, A. Moy, M. Lindsay, **R.R. Hopcroft**, T.W. Trull & S. Bray. 2011. Distribution, abundance and seasonal flux of pteropods in the Sub-Antarctic Zone. *Deep-sea Res. II.* **58**: 2293-2300
56. Bluhm, B.A., A.V. Gebruk, R. Gradinger, **R.R. Hopcroft**, F. Huettmann, K.N. Kosobokova, S.I. Sirenko, & J.M. Weslawski. 2011. Arctic marine biodiversity – an update of species richness and examples of biodiversity change. *Oceanography* **24**:198-214.
55. Roberts, D., W.R. Howard, A.D. Moy, J.L. Roberts, T.W. Trull, S.G. Bray and R.R. Hopcroft. 2011. Interannual pteropod variability in sediment traps deployed above and below the aragonite saturation horizon in the Sub-Antarctic Southern Ocean. *Polar Biol.* **34**: 1739-1750
54. Kosobokova, K.N., H.-J. Hirche & **R.R. Hopcroft**. 2011. Patterns of zooplankton diversity through the depths of the Arctic's central basins. *Mar. Biodiv.* **41**: 29-50
53. Wiebe, P.H., A. Bucklin, L. Madin, M.V. Angel, T. Sutton, F. Pagés, **R.R. Hopcroft**, D. Lindsay. 2010. Deep-sea sampling on CMarZ cruises in the Atlantic Ocean – an Introduction. *Deep-sea Res. II.* **57**: 2157-2166.
52. Jennings, R.M., A. Bucklin, H. Ossenbrügger, **R.R. Hopcroft**. 2010. Species diversity of planktonic gastropods (Pteropoda and Heteropoda) from six ocean regions based on DNA barcode analysis. *Deep-Sea Res. II.* **57**: 2199-2210.
51. Bucklin, A., **R.R. Hopcroft**, K.N. Kosobokova, L.M. Nigro, B.D. Ortman, C.J. Sweetman and R.M. Jennings. 2010. DNA barcoding of Arctic Ocean holozooplankton for species identification and recognition *Deep-Sea Res. II.* **57**:40-48
50. **Hopcroft, R.R.** & K.N. Kosobokova. 2010. Distribution and egg production of *Pseudocalanus* species in the Chukchi Sea. *Deep-Sea Res. II.* **57**:49-56
49. **Hopcroft, R.R.**, K.N. Kosobokova & A.I. Pinchuk. 2010. Zooplankton community patterns in the Chukchi Sea during summer 2004. *Deep-Sea Res. II.* **57**: 27-39
48. Kosobokova, K.N. & **R.R. Hopcroft**. 2010. Diversity and vertical distribution of mesozooplankton in the Arctic's Canada Basin. *Deep-Sea Res. II.* **57**: 96-110
47. Raskoff, K.A., **R.R. Hopcroft**, K.N. Kosobokova, J.E. Purcell & M. Youngbluth. 2010. Jellies under ice: ROV observations from the 2005 Hidden Ocean Expedition. *Deep-Sea Res. II.* **57**:111-126
46. Purcell, J.E., T.E. Whitley, K.N. Kosobokova, & **R.R. Hopcroft**. 2010. Distribution, abundance, and predation effects of epipelagic ctenophores and jellyfish in the western Arctic Ocean. *Deep-Sea Res. II.* **57**:127-135
45. Reid, P.C., E. Lewis-Brown, A. Fischer, *et al.* (**R.R. Hopcroft** among 28 additional contributors) 2009. Impacts of the Oceans on Climate Change. *Adv. Mar. Biol.* **56**: 1-150
44. Tsagkogeorga, G., Turon, X., **Hopcroft, R.R.**, Tilak, M.-K., Feldstein, T., Shenkar, N., Loya, Y., Huchon, D., Douzery, E.J., and Delsuc, F. 2009. An updated 18S rRNA phylogeny of tunicates based on mixture and secondary structure models. *BMC Evol. Biol.* **9**: 187.
43. Jaspers, C., T.G. Nielsen, J. Carstensen, **R.R. Hopcroft**, and E.F. Møller. 2009. Mesozooplankton distribution across the Southern Indian Ocean with emphasis on the role of Larvaceans. *J. Plankton Res.* **31**: 525-540.
42. Bell, J.L., & **R.R. Hopcroft**. 2008. Assessment of ZooImage as a tool for the classification of zooplankton. *J. Plankton Res.* **30**: 1351-1367

41. Liu, H. & **R.R. Hopcroft**. 2008. Growth and development of *Pseudocalanus* spp. in the northern Gulf of Alaska. *J. Plankton Res.* **30**: 923-935.
40. Pinchuk, A.I., K.O. Coyle & **R.R. Hopcroft**. 2008. Climate-related variability in abundance and reproduction of euphausiids in the northern Gulf of Alaska in 1998-2003. *Prog. Oceanogr.* **77**: 203-216.
39. Liu, H. & **R.R. Hopcroft**. 2007. A comparison of seasonal growth and development of the copepods *Calanus marshallae* and *C. pacificus* in the northern Gulf of Alaska. *J. Plankton Res.* **29**: 569-581.
38. Kosobokova, K.N., H.-J. Hirche & **R.R. Hopcroft**. 2007. Reproductive biology of deep-water copepods in the Arctic Ocean. *Mar. Biol.* **151**:919-934.
37. Pinchuk, A.I. & **R.R. Hopcroft**. 2007. Seasonal variations in the growth rate of euphausiids (*Thysanoessa inermis*, *T. spinifera*, and *Euphausia pacifica*) from the northern Gulf of Alaska. *Mar. Biol.* **151**: 257-269
36. Kimmerer, W.J., A.G. Hirst, **R.R. Hopcroft**, & A.D. McKinnon. 2007. Estimating juvenile copepod growth rates: corrections, inter-comparisons and recommendations. *Mar. Ecol. Prog. Ser.* **336**:187-202.
35. Liu, H. & **R.R. Hopcroft**. 2006. Growth and development of *Metridia pacifica* in the northern Gulf of Alaska. *J. Plankton Res.* **28**: 769-781
34. Pinchuk, A.I. & **R.R. Hopcroft**. 2006. Egg production and early development of *Thysanoessa inermis* and *Euphausia pacifica* (Crustacea: Euphausiacea) in the northern Gulf of Alaska. *J. Exp. Mar Biol. Ecol.* **332**:206-215.
33. Liu, H. & **R.R. Hopcroft**. 2006. Growth and development of *Neocalanus flemingeri/plumchrus* in the northern Gulf of Alaska: validation of the artificial cohort method in cold waters. *J. Plankton Res.* **28**: 87-101.
32. **Hopcroft, R.R.**, & B.H. Robison. 2005. New mesopelagic larvaceans in the genus *Fritillaria* from Monterey Bay, California. *J. Mar. Biol. Assoc.* **85**: 665-678.
31. Napp, J.M., **R.R. Hopcroft**, C.T. Baier & C. Clarke 2005. Distribution and species-specific egg production of *Pseudocalanus* in the Gulf of Alaska. *J. Plankton Res.* **27**: 415-426.
30. **Hopcroft, R.R.**, C. Clarke, R.J. Nelson, & K.A. Raskoff. 2005. Zooplankton Communities of the Arctic's Canada Basin: the contribution by smaller taxa. *Polar Biol.* **28**: 197-206.
29. **Hopcroft, R.R.**, C. Clarke, A.G. Byrd & A.I. Pinchuk. 2005. The paradox of *Metridia* spp. egg production rates: A new technique and measurements from the coastal Gulf of Alaska. *Mar. Ecol. Prog. Ser.* **286**: 193-201.
28. Raskoff, K.A., J.E. Purcell & **R.R. Hopcroft**. 2005. Gelatinous zooplankton of the Arctic Ocean: *in situ* observations under the ice. *Polar Biol.* **28**: 207-217.
27. Slater, L.M. & **R.R. Hopcroft**. 2005. Development, growth, and egg production of *Centropages abdominalis* in the subarctic Pacific. *J. Plankton Res.* **27**: 71-78.
26. **Hopcroft, R.R.** 2005. Diversity in larvaceans: How many species? pp. 45-57. *In*: Response of marine ecosystems to global change: ecological impact of appendicularians. Gorsky, G, M.J. Youngbluth & D. Deibel (eds), Gordon and Breach Scientific Publishers. Paris.
25. Rose, K., J.C. Roff & **R.R. Hopcroft**. 2004. Production of *Penilia avirostris* in Kingston Harbour, Jamaica. *J. Plankton Res.* **26**: 605-615.
24. **Hopcroft, R.R.**, & J.C. Roff. 2003. Response of tropical marine phytoplankton communities to manipulations of nutrient concentration and grazing pressure. *Bull. Mar. Sci.* **73**: 397-420
23. Persad, G., **R.R. Hopcroft**, M.K. Webber & J.C.Roff. 2003. Abundance, biomass and production of ctenophores and medusae off Kingston Jamaica. *Bull. Mar. Sci.* **73**: 379-396

22. **Hopcroft, R.R.**, C. Clarke & F.P. Chavez. 2002. Copepod communities in Monterey Bay during the 1997 to 1999 El Niño and La Niña. *Prog. Oceanogr.* **54**: 251-263.
21. Weingartner, T.J. *et al.* (**R.R. Hopcroft** among 18 others) 2002. The Northeast Pacific GLOBEC program: coastal Gulf of Alaska. *Oceanography* **15**: 48-63.
20. Nielsen, T.G., E.F. Møller, S. Satapoomin, M. Ringuette & **R.R. Hopcroft**. 2002. Egg hatching rate of the cyclopoid copepod *Oithona similis* in arctic and temperate waters. *Mar. Ecol. Prog. Ser.* **236**: 301-306.
19. Marine Zooplankton Colloquium 2. 2001. (**R.R. Hopcroft** among 40 contributors) Future marine zooplankton research – a perspective. *Mar. Ecol. Prog Ser.* **222**: 297-308.
18. **Hopcroft, R.R.**, F.P. Chavez & J.C. Roff. 2001. Size paradigms in copepod communities: a re-examination. *Hydrobiologia* **453/454**:133-141.
17. **Hopcroft, R.R.**, & B.H. Robison. 1999. A new mesopelagic larvacean, *Mesochordaeus erythrocephalus*, sp. nov., from Monterey Bay, with description of its filtering house. *J. Plankton Res.* **21**: 1923-1937.
16. **Hopcroft, R.R.**, & J.C. Roff. 1998. Zooplankton growth rates: the influence of female size and resources on egg production of tropical marine copepods. *Mar. Biol.* **132**: 79-86.
15. **Hopcroft, R.R.**, & J.C. Roff. 1998. Zooplankton growth rates: the influence of size in nauplii of tropical marine copepodites. *Mar. Biol.* **132**: 87-96.
14. **Hopcroft, R.R.**, & J.C. Roff. 1998. Production of tropical larvaceans in Kingston Harbour, Jamaica: are we ignoring an important secondary producer? *J. Plankton Res.* **20**: 557-569.
13. **Hopcroft, R.R.**, J.C. Roff. & H.A. Bouman. 1998. Zooplankton growth rates: larvaceans of the genus *Appendicularia*, *Fritillaria* and *Oikopleura* from tropical waters. *J. Plankton Res.* **20**: 539-555.
12. **Hopcroft, R.R.**, J.C. Roff & D. Lombard. 1998. Production of tropical copepods in nearshore waters off Kingston, Jamaica: the importance of small species. *Mar. Biol.* **130**: 593-604.
11. **Hopcroft, R.R.**, J.C. Roff, M.K. Webber, & J.D.S. Witt. 1998. Zooplankton Growth Rates: the influence of size and resources in tropical marine copepodites. *Mar. Biol.* **132**: 67-77.
10. Turner, J.T., **R.R. Hopcroft**, J.A. Lincoln, C. Sassman Huestis, P.A. Tester, & J.C. Roff. 1998. Zooplankton feeding ecology: grazing by marine copepods and cladocerans upon cyanobacteria from Kingston Harbour, Jamaica. *Mar. Ecol.* **19**: 195-208.
9. **Hopcroft, R.R.**, & J.C. Roff. 1996. Zooplankton growth rates: diel egg production in the copepods *Oithona*, *Euterpina* and *Corycaeus* from tropical waters. *J. Plankton Res.* **18**: 789-803.
8. **Hopcroft, R.R.**, & J.C. Roff. 1995. Zooplankton Growth Rates: Extraordinary production by the larvacean *Oikopleura dioica* in tropical waters. *J. Plankton Res.* **17**: 205-220.
7. Roff, J.C., J.T. Turner, M.K. Webber, & **R.R. Hopcroft**. 1995. Bacterivory by tropical copepod nauplii: extent and possible significance. *Mar. Micro. Ecol.* **9**: 165-175.
6. Lynn, D.H., J.C. Roff & **R.R. Hopcroft**. 1991. The annual cycle of abundance and biomass of aloricate ciliates in tropical neritic waters off Kingston, Jamaica. *Mar. Biol.* **110**: 437-448.
5. **Hopcroft, R.R.**, & J.C. Roff. 1990. Phytoplankton size fractions in a tropical neritic ecosystem near Kingston, Jamaica. *J. Plankton Res.* **12**: 1069-1088.
4. **Hopcroft, R.R.**, J.C. Roff & J.A. Berges. 1990. Size-fractionated sedimentation in a tropical neritic ecosystem near Kingston, Jamaica. *Contin. Shelf Res.* **10**: 795-806.
3. Roff, J.C., **R.R. Hopcroft**, C. Clarke, L.A. Chisholm, D.H. Lynn, & G.L. Gilron. 1990. Structure and energy flow in a tropical neritic planktonic community off Kingston, Jamaica. In: *Trophic relationships in the marine environment. (Proc. 24th Europ. Mar. Biol. Symp.)* Barnes, M. and R.N. Gibson (eds), Aberdeen University Press. pp. 266-280.

2. Roff, J.C. & **R.R. Hopcroft**. 1986. High precision microcomputer based measuring system for ecological research. *Can. J. Fish. Aquat. Sci.* **43**: 2044-2048.
1. **Hopcroft, R.R.**, D.B. Ward & J.C. Roff. 1985. The relative significance of body surface and cloacal respiration in *Psolus fabricii* (Holothuroidea: Dendrochirotida). *Can. J. Zool.* **63**: 2878-2881.

#### **PUBLICATIONS (editorial review only)**

10. Aw, M. & **R.R. Hopcroft**. 2017. Unravelling a Hidden Ocean: the Chukchi Borderland Expedition. *Ocean Geographic* **42**:13-30.
9. **Hopcroft, R.R.** & Day, R.H. (2013) Introduction to the special issue on the ecology of the northeastern Chukchi Sea. *Cont. Shelf Res.* **67**: 1-4.
8. Bluhm, B.A., R.R. Gradinger & **R.R Hopcroft**. 2011. Arctic Ocean Diversity: synthesis. *Mar. Biodiv.* **41**: 1-4
7. Schiaparelli, S. & **R.R. Hopcroft**. 2011. The Census of Antarctic Marine Life: Diversity and Change in Southern Ocean Ecosystems. *Deep-Sea Res. II.* **58**: 1-4
6. Gradinger, R., B.A Bluhm, **R.R Hopcroft**, A. Gebruk, K.N. Kosobokova, B. Sirenko, & J.M. Wesławski. 2010. Marine Life in the Arctic. In: A.D. D. McIntyre. (ed) *Life in the World's Oceans*, Blackwell Publishing Ltd., New York, pp.183-202
5. Bluhm, B.A., K. Iken, **R.R. Hopcroft**. 2010. Observations and exploration of the Arctic's Canada Basin and the Chukchi Sea: the Hidden Ocean and RUSALCA expeditions. *Deep-Sea Res. II.* **57**:1-14
4. Davis, C. S. & **R.R. Hopcroft**. 2008. The drifters. *Ocean Geogr. Mag.*, **July 2008**, 23-40.
3. Bluhm, B. A., R. Gradinger, F. Hüttmann, **R.R. Hopcroft**, A. Grebuk & B.I. Sirenko. 2008. Ein Zensus des Marinen Lebens in der Arktis. *Biol. unserer Zeit* **38**: 40-49.
2. Crane, K., J. Potter & **R.R. Hopcroft**. 2005. NOAA's Arctic Exploration Program. *Arctic Res. U.S.* **19**: 3-10
1. **Hopcroft, R.R.** 2003. Spineless wonders: the pelagic fauna. *Current: J. Mar. Ed.* **19**: 10-12.

#### **MAJOR REPORTS:**

9. Lovejoy, C., C. von Quillfeldt, **R.R. Hopcroft**, M. Poulin, M. Thaler, A. Arendt, H. Debes, A. Gislason, and K.N. Kosobokova. 2017. Plankton. Pages 63-88 in CAFF, editor. State of the Arctic Marine Biodiversity Report. Conservation of Arctic Flora and Fauna (CAFF), Akureyri, Iceland.
8. Snelgrove, P., E. V. Berghe, P. Miloslavich, P. Archambault, I. Bailly, A. Brandt, A. Bucklin, M. Clark, F. Dahdouh-Guebas, P. Halpin, **R.R. Hopcroft**, K. Kaschner, B. Lascelles, L. A. Levin, S. Menden-Deuer, A. Metaxas, D. Obura, R. R. Reeves, T. Rynearson, K. Stocks, M. Tarzia, D. Tittensor, V. Tunnicliffe, B. Wallace, R. Wanless, T. Webb, P. Bernal, J. Rice, & A. Rosenberg. 2016. Chapter 34. Global Patterns in Marine Biodiversity. Pages 1-37 in The First Global Integrated Marine Assessment (World Ocean Assessment I). United Nations, New York.
7. Miloslavich, P., T. Webb, P. Snelgrove, E. V. Berghe, K. Kaschner, P. N. Halpin, R. R. Reeves, B. Lascelles, M. Tarzia, B. P. Wallace, N. Dulvy, C. A. Simpfendorfer, G. Schillinger, A. Boustany, B. B. Collette, J. E. Graves, D. Obura, M. Edwards, M. Clark, K. Stocks, T. Morato, V. Tunnicliffe, **R.R. Hopcroft**, P. Archambault, P. Pepin, J. John W. Tunnell, F. Moretzsohn, E. Escobar-Briones, H. Ojaveer, J. Gobin, M. Nakaoka, K. Fujikura, H. Yamano, X. Li, K. Venkataraman, C. Raghunathan, C. L. Griffiths, N. J. Bax, A. J. Butler, A. Brandt, H. J. Griffiths, & J. Rice. 2016. Chapter 35. Extent of Assessment of Marine Biological Diversity. Pages 1-58 in The First Global Integrated Marine Assessment (World Ocean Assessment I). United Nations, New York.

6. Michel, C., J. Rice, B. Bluhm, C. Duarte, V. Galluci, T. Gaston, F.J.L. Gordillo, R. Gradinger, **R.R. Hopcroft**, N. Jensen, K. Mustonen, T. Mustonen, T.G. Nielsen, A. Niemi, H. Rune Skjoldal (2013) Arctic Marine Ecosystems. In: 2013(ed.) Arctic Biodiversity Assessment: Status and Trends in Biodiversity in the Arctic. Conservation of Arctic Flora and Fauna, Akureyri. pp.486-527.
5. Gill, M.J., Crane, K., Hindrum, R., Arneberg, P., Bysveen, I., Denisenko, N.V., Gofman, V., Grant-Friedman, A., Gudmundsson, G., Hopcroft, R.R., Iken, K., Labansen, A., Liubina, O.S., Melnikov, I.A., Moore, S.E., Reist, J.D., Sirenko, B.I., Stow, J., Ugarte, F., Vongraven, D. & Watkins, J. (2011) Arctic Marine Biodiversity Monitoring Plan (CBMP-MARINE PLAN) *CAFF Monitoring Series Report nr. 3*, CAFF International Secretariat, Akureyri, Iceland.
4. Mundy, P., D. Allen, J.L. Boldt, N.A. Bond, S. Dressel, E. Farley Jr., D. Hanselman, J. Heifetz, **R.R. Hopcroft**, M.A. Janout, C. Ladd, R. Lam, P. Livingston, C. Lunsford, J.T. Mathis, F. Mueter, C. Rooper, N. Sarkar, K. Shotwell, M. Sturdevant, A.C. Thomas, T.J. Weingartner & D. Woodby. 2010. Status and trends of the Gulf of Alaska Coastal region, 2003-2008. pp. 142-195. In: S.M. McKinnell & M. Dagg (ed.) Marine Ecosystems of the North Pacific Ocean; 2003-2008. *PICES Special Publication 4*. 393p.
3. **Hopcroft, R.R.**, B.A. Bluhm, & R.R. Gradinger. 2008. Arctic Ocean Synthesis: Analysis of Climate Change Impacts in the Chukchi and Beaufort Seas with Strategies for Future Research (2<sup>nd</sup> edition). *North Pacific Research Board, Anchorage, Alaska*. 153 p
2. **Hopcroft, R.R.**, B.A. Bluhm, R.R. Gradinger, T.E. Whitley, T.J. Weingartner, B. Norcross, & A.M. Springer. 2006. Arctic Ocean Synthesis: Analysis of Climate Change Impacts in the Chukchi and Beaufort Seas with Strategies for Future Research. *Prepared for the North Pacific Research Board, Anchorage, Alaska*
1. **Hopcroft, R.R.** 2002. Comparison of plankton size spectra from net tow samples and OPC measurements in marine waters. pp. 7-11. In: M. Zhou & K. Tande (ed.) *Optical Plankton Counter Workshop. GLOBEC Report No.17*, 17-20 June 2001, Tromso, Norway.

#### **PUBLICATIONS IN PRESS:**

89. Bentlage, B., Osborn, K.J., Lindsay, D.J., **Hopcroft, R.R.**, Raskoff, K.A. & Collins, A.G. *In press*. Loss of metagenesis and evolution of a parasitic life style in a group of open ocean jellyfish. *Mol. Phylogenet. Evol.* DOI:10.1016/j.ympev.2018.02.030.
90. Gall, A.E., T.C. Morgan, R.H. Day, A.B. Blanchard, **R.R. Hopcroft** & T.J. Weingartner. *Accepted*. The influence of foraging strategy and prey preference on habitat associations of seabirds in the northeastern Chukchi Sea. *Mar. Ecol. Prog. Ser.*