

1. Siegel,V (1980): Parasite tags for some Antarctic channichthyid fish. Arch.FischWiss. 31, 97-103.
2. Siegel,V (1980): Quantitative investigations on parasites of Antarctic channichthyid and nototheniid fishes. Meeresforsch. 28, 146-156.
3. Siegel,V (1982): Untersuchungen an Nachlaichkonzentrationen des antarktischen Krills *Euphausia superba*. Arch.FischWiss. 33(Beiheft 1), 113-125.
4. Siegel,V (1982): Relationship of various length measurements of *Euphausia superba* Dana. Meeresforsch. 29, 114-117.
5. Siegel,V (1982): Investigations on krill (*Euphausia superba*) in the southern Weddell Sea. Meeresforsch. 29, 244-252.
6. Kock,K-H; Schneppenheim,R; Siegel,V (1984): A contribution to the fish fauna of the Weddell Sea. Arch.FischWiss. 34(2/3), 103-120.
7. Siegel,V (1985): On the fecundity of Antarctic krill, *Euphausia superba* (Euphausiacea). Arch.FischWiss. 36(1/2), 185-193.
8. Siegel,V (1985): The distribution pattern of krill, *Euphausia superba*, west of the Antarctic Peninsula in February 1982. Meeresforsch. 30(4), 292-305.
9. Siegel,V (1986): Structure and composition of the Antarctic krill stock in the Bransfield Strait (Antarctic Peninsula) during the Second International BIOMASS Experiment (SIBEX). Arch.FischWiss. 37(Beiheft 1), 51-72.
10. Siegel,V (1986): Untersuchungen zur Biologie des antarktischen Krill, *Euphausia superba*, im Bereich der Bransfield Strasse und angrenzender Gebiete. Mitt.Inst.Seefisch.Hamb. 38, 1-244.
11. Siegel,V (1987): Age and growth of Antarctic Euphausiacea (Crustacea) under natural conditions. Mar.Biol. 96, 483-495.
12. Siegel,V (1988): A concept of seasonal variation of krill (*Euphausia superba*) distribution and abundance west of the Antarctic Peninsula. In: Antarctic ocean and resources variability. (Ed: Sahrhage,D) Springer Verlag, Berlin, Heidelberg, 219-230.
13. Siegel,V; Mühlenhardt-Siegel,U (1988): On the occurrence and biology of some Antarctic Mysidacea (Crustacea). Polar Biol. 8, 181-190.
14. Siegel,V (1989): Winter and spring distribution and status of the krill stock in Antarctic Peninsula waters. Arch.FischWiss. 39(Beiheft 1), 45-72.
15. Bergström,BI; Hempel,G; Marschall,H-P; North,A; Siegel,V; Strömberg,J-O (1990): Spring distribution, size composition and behaviour of krill *Euphausia superba* in the western Weddell Sea. Polar Rec. 26(157), 85-89.
16. Siegel,V; Bergström,B; Strömberg,JO; Schalk,PH (1990): Distribution, size frequencies and maturity stages of krill, *Euphausia superba*, in relation to sea-ice in the northern Weddell Sea. Polar Biol. 10, 549-557.
17. Siegel V, Piatkowski U (1990) Variability in the macrozooplankton community off the Antarctic Peninsula. Polar Biol. 10: 373-386
18. Siegel,V (1992): Assessment of the krill (*Euphausia superba*) spawning stock off the Antarctic Peninsula. Arch.FischWiss. 41(2), 101-130.

19. Siegel,V; Skibowski,A; Harm,U (1992): Community structure of the epipelagic zooplankton community under the sea-ice of the northern Weddell Sea. *Polar Biol.* 12, 15-24.
20. Miller,DGM; Barange,M; Klindt,H; Murray,AWA; Hampton,I; Siegel,V (1993): Antarctic krill aggregation characteristics from acoustic observations in the Southwest Atlantic Ocean. *Mar.Biol.* 117(1), 171-183.
21. Gutt,J; Siegel,V (1994): Benthopelagic aggregations of krill (*Euphausia superba*) on the deeper shelf of the Weddell Sea (Antarctic). *Deep-Sea Res.* 41, 169-178.
22. Loeb,V; Siegel,V (1994): Status of the krill stock around Elephant Island in 1991/92 and 1992/93. *CCAMLR Science* 1, 7-33.
23. Siegel,V; Kalinowski,J (1994): Krill demography and small-scale processes: a review. In: *Southern Ocean ecology. The BIOMASS perspective.* 1st ed. (Ed: El-Sayed,SZ) Cambridge University Press, Cambridge, 145-163.
24. Siegel,V; Loeb,V (1994): Length and age at maturity of Antarctic krill. *Antarct.Sci.* 6(4), 479-482.
25. Siegel,V; Loeb,V (1995): Recruitment of Antarctic krill (*Euphausia superba*) and possible causes for its variability. *Mar.Ecol.Prog.Ser.* 123(1-3), 45-56.
26. Siegel,V; Harm,U (1996): The composition, abundance, biomass and diversity of the epipelagic zooplankton communities of the southern Bellingshausen Sea (Antarctic) with special references to krill and salps. *Arch.Fish.Mar.Res.* 44(1/2), 115-139.
27. Loeb,V; Siegel,V; Holm-Hansen,O; Hewitt,R; Fraser,W; Trivelpiece,W; Trivelpiece,S (1997): Effects of sea-ice extent and krill or salp dominance on the Antarctic food web. *Nature* 387, 897-900.
28. Siegel,V; Mare,WK de la; Loeb,V (1997): Long-Term Monitoring of Krill Recruitment and Abundance Indices in the Elephant Island Area (Antarctic Peninsula). *CCAMLR Science* 4, 19-35.
29. Brandt,A; Mühlenhardt-Siegel,U; Siegel,V (1998): An account of the Mysidacea (Crustacea, Malacostraca) of the Southern Ocean. *Antarct.Sci.* 10, 3-11.
30. Kim,S; Siegel,V; Hewitt,RP; Naganobu,M; Demer,DA; Ichii,T; Kang,S-H; Kawaguchi,S; Loeb,V; Amos,AF; Chung,KH; Holm-Hansen,O; Lee,WC; Silva,N; Stein,M (1998): Temporal Changes in marine environments in the Antarctic Peninsula Area during the 1994/95 Austral Summer. *Mem.Natl Inst.Polar Res.Spec.Iss.* (52), 186-208.
31. Siegel,V; Damm,U; Sushin,VA (1998): Catch per unit effort (CPUE) data from the early years of commercial krill fishing operations in the Atlantic sector of the Antarctic. *CCAMLR Science* 5, 31-50.
32. Siegel,V; Loeb,V; Gröger,J (1998): Krill (*Euphausia superba*) density, proportional and absolute recruitment and biomass in the Elephant Island region (Antarctic Peninsula) during the period 1977 to 1997. *Polar Biol.* 19, 393-398.
33. Naganobu, M., Kutsuwada, K., Sasai, Y., Taguchi, S., Siegel, V. (1999) : Relationships between Antarctic krill (*Euphausia superba*) variability and westerly fluctuations and ozone depletion in the Antarctic Peninsula area. *Journal of Geophysical Research:* 104, C9: 20.651-20.665.
34. Pages,F., Pugh,P.R., and Siegel, V. (1999) : The discovery of an Antarctic epipelagic medusan in the Mediterranean. *Journal of Plankton Research* 21: 2431-2435.

35. Siegel, V. (2000): Krill (Euphausiacea) life history and aspects of population dynamics. *Can.J.Fish.Aquat.Sci.* 57 (Sup.3): 130-150.
36. Siegel, V. (2000): Krill (Euphausiacea) demography and variability in abundance and distribution. *Can.J.Fish.Aquat.Sci.* 57 (Sup.3): 151-167.
37. Siegel, V. and Nicol, S. (2000): Population Parameters. In: Everson, I. (ed.) *Krill. Biology, ecology and fisheries.* Blackwell Science Publ., Oxford, pp 103-149.
38. Siegel, V., Bergström, B., Mühlenhardt-Siegel, U., Thomasson, M. (2002): Demography of Antarctic krill in the Elephant Island area (Antarctic Peninsula) during summer 2001 and its significance for stock recruitment. *Antarctic Science* 14: 162-170.
39. Schmidt, A., Siegel, V., Brandt, A. (2002) : Postembryonic development of *Apsuodes heroae* and *Allotanaid hirsutus* (Tanaidacea, Copepoda) in Magellanic and sub-Antarctic waters. *Antarctic Science* 14: 201-211.
40. Hewitt, R.P., Watkins, J.L., Naganobu, M., Tshernishkov, P., Brierley, A.S., Demer, D.A., Kasatkina, S., Takao, Y., Goss, C., Malysenko, A., Brandon, M.A., Kawaguchi, S., Siegel, V., Trathan, P.N., Emery, J.H., Everson, I., Miller, D.G.M. (2002) : Setting a precautionary catch limit for Antarctic krill. *Oceanography* 15: 26-33.
41. Siegel, V., Ross, R.M., Quetin, L.B. 2003 : Krill (*Euphausia superba*) recruitment indices from the western Antarctic Peninsula: are they representative of larger regions ? *Polar Biology* 26: 672-679.
42. A. Atkinson, V. Siegel, E. Pakhomov, P. Rothery (2004): Long-term decline in krill stock and increase in salps within the Southern Ocean. *Nature* 432: 100-103
43. R. P. Hewitt, J. Watkins, M. Naganobu, V. Sushin, A.S. Brierley, D. Demer, S. Kasatkina, Y. Takao, C. Goss, A. Malysenko, M. Brandon, S. Kawaguchi, V. Siegel, P. Trathan, J. Emery, I. Everson and D. Miller (2004) Biomass of Antarctic krill in the Scotia Sea in January/February 2000 and its use in revising an estimate of precautionary yield . *Deep-Sea Research II*, 51: 1215-1236
44. V. Siegel, S. Kawaguchi, P. Ward, F. Litvinov, V. Sushin, V. Loeb and J. Watkins (2004) Krill demography and large-scale distribution in the southwest Atlantic during January/February 2000 • *Deep-Sea Research II*, 51: 1253-1273
45. K. Reid, M.J. Jessopp, M.S. Barrett, S. Kawaguchi, V. Siegel and M.E. Goebel (2004) Widening the net: spatio-temporal variability in the krill population structure across the Scotia Sea • *Deep-Sea Research II*, 51: 1275-1287
46. P. Ward, S. Grant, M. Brandon, V. Siegel, V. Sushin, V. Loeb and H. Griffiths (2004) Mesozooplankton community structure in the Scotia Sea during the CCAMLR 2000 survey: January–February 2000. *Deep-Sea Research II*, 51 :1351-1367
47. S. Kawaguchi, V. Siegel, F. Litvinov, V. Loeb and J. Watkins (2004) Salp distribution and size composition in the Atlantic sector of the Southern Ocean • *Deep-Sea Research II*, 51: 1369-1381
48. Siegel, V., Gröger, J., Neudecker, T., Damm, U., Jansen, S. (2005) Long-term variation in the abundance of the brown shrimp *Crangon crangon* (L.) population of the German Bight and possible causes for its interannual variability. *Fisheries Oceanography* 14: 1-16.
49. Siegel, V. (2005): Distribution and population dynamics of *Euphausia superba*: Summary of recent findings. *Polar Biology* 29: 1-22

50. Siegel V (2006) Einfluss von Fischerei und Klima auf die Bestände des antarktischen Krill. In : Lozan JL, Graßl H, Hubberten HW, Hupfer P, Karbe L, Piepenburg D (eds). Warnsignale aus den Polarregionen. Natur, Klimawandel, Ressourcen, Umweltschutz. Wissenschaftliche Auswertungen, Hamburg, pp 121-125.
51. Kawaguchi S, Finley LA, Jarman S, Candy SG, Ross RM, Quetin LL, Siegel V, Trivelpiece W, Naganobu M, Nicol S (2007) Male krill grow fast and die young . Marine Ecology Progress Series 345: 199–210
52. Atkinson A, Siegel V, Pakhomov EA, Rothery P, Loeb V, Ross RM, Quetin LB, Schmidt K, Fretwell P, Murphy EJ, Tarling GA, Fleming AH (2008) Oceanic circumpolar habitats of Antarctic krill. Marine Ecology Progress Series 362:1-23
53. Hunt BPV, Pakhomov EA, Hosie GW, Siegel V, Ward P, Bernard K (2008) Pteropods in Southern Ocean ecosystems. Progress in Oceanography 78: 193-221
54. Flores H, Van de Putte AP, Siegel V, Pakhomov EA, van Franeker JA, Meesters HWG, Volckaert FAM (2008) Distribution, abundance and ecological relevance of pelagic fishes in the Lazarev Sea, Southern Ocean: Marine Ecology Progress Series 367: 271–282
55. Siegel V, Damm U, Neudecker T (2008): The reproductive cycle of *Crangon crangon* in the German Bight, North Sea. Helgoland Marine Research 62:339-349
56. Atkinson A, Siegel V, Pakhomov EA, Jessopp MJ, Loeb V (2009) A re-appraisal of the total biomass and annual production of Antarctic krill. Deep-Sea Research I. 56: 727-740
57. Siegel V, Atkinson A (2009). Krill - distribution, abundance and population dynamics. In Hempel G, Hempel I (eds): Biological Studies in Polar Oceans Exploration of Life in Icy Waters. Wirtschaftsverlag Publ. Bremerhaven, pp 99-107
58. Siegel V, Kock KH (2009) Fishing for krill and fish in the Southern Ocean. . In Hempel G, Hempel I (eds): Biological Studies in Polar Oceans Exploration of Life in Icy Waters. Wirtschaftsverlag Publ. Bremerhaven, pp 203-209
59. Flores H, van Franeker JA, Siegel V, Haraldsson M, Strass V, Meesters HWG, Bathmann U (2009) Antarctic krill species (Crustacea: Euphausiacea) under sea ice and in open surface layer. In Flores H (ed) Frozen Desert Alive. The role of sea ice for pelagic macrofauna and its predators: implications for the Antarctic pack-ice food web. Ponsen& Looien Publ., Ede Netherlands, pp 155-179
60. Meyer B., Auerswald L, Siegel V, Spahic S, Pape C, Fach BA, Teschke M, Lopata AL, Fuentes V (2010) Seasonal variation in body composition, metabolic activity, feeding, and growth of adult krill *Euphausia superba* in the Lazarev Sea: Marine Ecology Progress Series 398:1-18.
61. Hufnagl M, Temming A, Siegel V, Tulp I, and Bolle L (2010) Estimating total mortality and asymptotic length of *Crangon crangon* between 1955 and 2006. ICES J. mar. Sci. 2010 67: 875-884
62. Siegel V. (2010) The Antarctic krill: resource and climate indicator, 35 years of German krill research J. Appl. Ichthyol. 26 (Suppl. 1), 41–46
63. Krafft BA, Melle W, Knutsen T, Bagøien E, Broms C, Ellertsen B, Siegel V. 2010. Distribution and demography of Antarctic krill in the Southeast Atlantic sector of the Southern Ocean during the austral summer 2008. Polar Biology, 33:957-968
64. Hunt BPV, Pakhomov EA, Siegel V, Strass V, Cisewski B, Bathmann U (2011) The seasonal cycle of the Lazarev Sea macrozooplankton community and a potential shift to top-down trophic control in winter. Deep Sea Research Part II: Topical Studies in Oceanography 58: 1662-1676
65. Pakhomov EA, Dubischar CD, Hunt BPV, Strass V, Cisewski B, Siegel V, von Harbou L, Gurney L, Kitchener J, Bathmann U (2011) Biology and life cycles of pelagic tunicates in the Lazarev Sea, Southern Ocean. Deep Sea Research Part II: Topical Studies in Oceanography 58: 1677-1689
66. Flores H, van Franeker JA, Siegel V, Haraldsson M, Strass V, Meesters EH, Bathmann U, Wolff WJ (2012) The association of Antarctic krill *Euphausia superba* with the under-ice habitat. PLoS ONE 7(2): e31775. doi:10.1371/journal.pone.0031775

67. Siegel V (2012) Krill stocks in high latitudes of the Antarctic Lazarev Sea: seasonal and interannual variation in distribution, abundance and demography. *Polar Biology* **35**(8): 1151-1177
68. Flores H, Atkinson A, Kawaguchi S, Krafft BA, Milinevsky G, Nicol S, Reiss C, Tarling GA, Werner R, Bravo Rebolledo E, Cirelli V, Cuzin-Roudy J, Fielding S, van Franeker JA, Groeneveld JJ, Haraldsson M, Lombana A, Marschoff E, Meyer B, Pakhomov EA, Van de Putte AP, Rombolá E, Schmidt K, Siegel V, Teschke M, Tonkes H, Toullec JY, Trathan PN, Tremblay N, Werner T (2012) Impact of climate change on Antarctic krill. *Marine Ecology Progress Series* **458**: 1-19
69. Appeltans W, Ahyong ST, Anderson G, Angel MV, Artois T, Bailly N, Bamber R, Barber A, Bartsch I, Berta A, Błazewicz-Paszkowycz M, Bock P, Boxshall G, Boyko CB, Brandao SN, Bray RA, Bruce NL, Cairns SD, Chan TY, Cheng L, Collins AG, Cribb T, Curini-Galletti M, Dahdouh-Guebas F, Davie PJF, Dawson MN, De Clerck O, Decock W, De Grave S, de Voogd NJ, Domning DP, Emig CC, Erseus C, Eschmeyer W, Fauchald K, Fautin DG, Feist SW, Fransén CHJM, Furuya H, Garcia-Alvarez O, Gerken S, Gibson D, Gittenberger A, Gofas S, Gomez-Daglio L, Gordon DP, Guiry MD, Hernandez F, Hoeksema BW, Hopcroft RR, Jaume D, Kirk P, Koedam N, Koenemann S, Kolb JB, Kristensen RM, Kroh A, Lambert G, Lazarus DB, Lemaitre R, Longshaw M, Lowry J, Macpherson E., Madin LP, Mah C, Mapstone G, McLaughlin PA, Mees J, Meland K, Messing CG, Mills CE, Molodtsova TN, Mooi R, Neuhaus B, Ng PKL, Nielsen C, Norenburg J, Opresko DM, Osawa M, Paulay G, Perrin W, Pilger JF, Poore GCB, Pugh P, Read GB, Reimer JD, Rius M, Rocha RM, Saiz-Salinas JI, Scarabino V, Schierwater B, Schmidt-Rhaesa A, Schnabel KE, Schotte M, Schuchert P, Schwabe E, Segers H, Self-Sullivan C, Shenkar N, Siegel V, Sterrer W, Stohr S, Swalla B, Tasker ML, Thuesen EV, Timm T, Todaro MA, Turon X, Tyler S, Uetz P, van der Land J, Vanhoorne B, van Ofwegen LP, van Soest RWM, Vanaverbeke J, Walker-Smith G, Walter TC, Warren A, Williams GC, Wilson SP, Costello MJ (2012) The Magnitude of Global Marine Species Diversity. *Current Biology* **22**: 1-14
70. Atkinson A, Nicol S, Kawaguchi S, Pakhomov E, Quetin L, Ross R, Hill S, Reiss C, Siegel V, Tarling G (2012) Fitting *Euphausia superba* into Southern Ocean food-web models: a review of data sources and their limitations. *CCAMLR Science*, Vol. 19: 1-26
71. Siegel V, Reiss CS, Dietrich KS, Haraldsson M, Rohardt G (2013) Distribution and abundance of Antarctic krill (*Euphausia superba*) along the Antarctic Peninsula. *Deep-Sea Research I* **77**: 63-74
72. Trathan, PN, Grant SM, Siegel V, Kock KH (2013) Precautionary spatial protection to facilitate the scientific study of habitats and communities under ice shelves in the context of recent, rapid, regional climate change. *CCAMLR Science*, Vol. 20 (2013): 139–151
73. Flores H, Hunt BPV, Kruse S, Pakhomov EA, Siegel V, van Franeker JA, Strass V, Van de Putte AP, Meesters EHWG, Bathmann U (2014) Seasonal changes in the vertical distribution and community structure of Antarctic macrozooplankton and micronekton. *Deep-Sea Research I*, **84**:127-141
74. Haraldsson M, Siegel V (2014) Seasonal distribution and life history of *Thysanoessa macrura* (Euphausiacea, Crustacea) in high latitude waters of the Lazarev Sea, Antarctica. *Marine Ecology Progress Series* **495**: 105-118
75. Godø OR, Reiss C, Siegel V, Watkins JL (2014) Commercial fishing vessel as research vessels in the Antarctic – requirements and solutions exemplified with a new vessel. *CCAMLR Sci* **21**: 11-18
76. Siegel V. (2014) Einfluss von Fischerei und Klima auf die Bestände des antarktischen Krill. In: Lozán J.L., Graßl H., Notz D. & Piepenburg D. (eds) Warnsignal Klima: Die Polarregionen. Verlag Naturwissenschaftliche Auswertungen, Hamburg, pp 145-151
77. La HS, Lee H, Fielding S, Kang D, Ha HK, Atkinson A, Park J, Siegel V, Lee SH, Shin HC (2015) High density of ice krill (*Euphausia crystallorophias*) in the Amundsen sea coastal polynya, Antarctica. *Deep-Sea Research I*. **195**: 75-84 131.

78. Herr H, Viquerat S, Siegel V, Kock KH, Dorschel B, Huneke WGC, Bracher A, Schröder M, Gutt J (2016) Horizontal niche partitioning of humpback and fin whales around the West Antarctic Peninsula: evidence from a concurrent whale and krill survey. *Polar Biology*, 39(5), 799-818
79. Tulp I, Chen C, Haslob H, Schulte K, Siegel V, Steenbergen J, Temming A, Hufnagl M (2016) Annual brown shrimp (*Crangon crangon*) biomass production in Northwestern Europe contrasted to annual landings. *ICES Journal of Marine Science*, doi:10.1093/icesjms/fsw141
80. Siegel V (2016) Introducing Antarctic Krill *Euphausia superba* Dana, 1850. In Siegel V (ed) *Biology and ecology of Antarctic krill*. Advances in Polar Ecology. Springer, Cham, pp1-20
81. Siegel V, Watkins JL (2016) Distribution, biomass and demography of Antarctic krill, *Euphausia superba*. In Siegel V (ed) *Biology and ecology of Antarctic krill*. Advances in Polar Ecology. Springer, Cham, pp 21-100
82. Siegel V (ed) (2016) *Biology and ecology of Antarctic krill*. Advances in Polar Ecology. Springer, Cham, pp 1-441
83. Siegel V (2017) Krill und Salpen prägen das antarktische Ökosystem. In: Hempel G, Bischof K, Hagen W (eds) *Faszination Meeresforschung*. Springer Berlin, pp 121-133
84. Atkinson A, Hill SL, Pakhomov EA, Siegel V, Anadon R, Chiba S, Daly KL, Downie R, Fielding S, Fretwell P, Gerrish L, Hosie GW, Jessopp MJ, Kawaguchi S, Krafft BA, Loeb V, Nishikawa J, Peat HJ, Reiss CS, Ross RM, Quetin LB, Schmidt K, Steinberg DK, Subramaniam RC, Tarling GA, Ward P. (2017) KRILLBASE: a circumpolar database of Antarctic krill and salp numerical densities, 1926–2016. *Earth Syst. Sci. Data*, 9, 193–210, doi:10.5194/essd-9-193-2017
85. Schulte KF, Dänhardt A, Hufnagl M, Siegel V, Wosniok W, Temming A (2018) Not easy to catch: multiple covariates influence catch rates of brown shrimp (*Crangon crangon* L.), potentially affecting inferences drawn from catch and landings data. *ICES Journal Marine Science*, doi:10.1093/icesjms/fsx203.