

1. Bakala H., Hamelin M., **Mary J.**, Borot-Laloi C. & Friguet B. 2012. Catalase, a target of glycation damage in rat liver mitochondria with aging. *Biochim. Biophys. Acta*, **1822**: 1527-1534.
<https://doi.org/10.1016/j.bbadis.2012.05.016> IF
2. Borsa P., Rolland V. & **Daguin-Thiébaud C.** 2012. Genetics and taxonomy of Chilean smooth-shelled mussels, *Mytilus* spp. (Bivalvia: Mytilidae). *C.R. Biol.*, **335**: 51-61.
<http://doi.org/10.1016/j.crvi.2011.10.002> IF 1,603
3. Brante A., Fernandez M. & **Viard F.** 2012. Phylogeography and biogeography concordance in the marine Gastropod *Crepidatella dilatata* (Calyptraeidae) along the Southeastern Pacific Coast. *J. Heredity*, **103**: 630-637.
<http://doi.org/10.1093/jhered/ess030> IF 2,799
4. David E., **Tanguy A.** & Moraga D. 2012. Characterisation and genetic polymorphism of metallothionein gene CgMT4 in experimental families of Pacific oyster *Crassostrea gigas* displaying summer mortality. *Biomarkers*, **17**: 85-95.
<http://doi.org/10.3109/1354750x.2011.639464> IF 2,090
5. David E., **Tanguy A.**, Riso R., Quiniou L., Laroche J. & Moraga D. 2012. Responses of Pacific oyster *Crassostrea gigas* populations to abiotic stress in environmentally contrasted estuaries along the Atlantic coast of France. *Aquat. Toxicol.*, **109**: 70-79.
<http://doi.org/10.1016/j.aquatox.2011.11.04> IF 3,333
6. **Decker C.**, Morineaux M., Van Gaever S., Caprais J.-C., Lichtschlag A., Gauthier O., **Andersen A.C.** & Olu K. 2012. Habitat heterogeneity influences cold-seep macrofaunal communities within and among seeps along the Norwegian margin. Part 1: macrofaunal community structure. *Marine Ecology*, **33**: 205-230.
<http://doi.org/10.1111/j.1439-0485.2011.00503.x> IF 1,272
7. Dolashka P., **Zal F.**, Dolashki A., Molin L., Traldi P. & Salvato B. 2012. ESI-MS and MALLS analysis of quaternary structure of molluscan hemocyanins. *J. Mass Spectrom.*, **47**: 940-947.
<http://doi.org/10.1002/jms.2967> IF 3,268
8. Flores H., Atkinson A., Kawaguchi S., Krafft B.A., Milinevsky G., Nicol S., Reiss C., Tarling G.A., Werner R., Rebolledo E.B., Cirelli V., Cuzin-Roudy J., Fielding S., Groeneveld J.J., Haraldsson M., Lombana A., Marschoff E., Meyer B., Pakhomov E.A., Rombola E., Schmidt K., Siegel V., Teschke M., Tonkes H., **Toullec J.Y.**, Trathan P.N., Tremblay N., Van De Putte A.P., Van Franeker J.A. & Werner T. 2012. Impact of climate change on Antarctic krill. *Marine Ecology Progress Series*, **458**: 1-19.
<http://doi.org/10.3354/meps09831> IF 2,711
9. Helfer V., **Broquet T.** & Fumagalli L. 2012. Sex-specific estimates of dispersal show female philopatry and male dispersal in a promiscuous amphibian, the alpine salamander (*Salamandra atra*). *Mol. Ecol.*, **21**: 4706-4720.
<http://doi.org/10.1111/j.1365-294X.2012.05742.x> IF 6,457
10. **Jollivet D.**, **Mary J.**, Gagnière N., **Tanguy A.**, Fontanillas E., **Boutet I.**, Hourdez S., Segurens B., Weissenbach J., Poch O. & Lecompte O. 2012. Proteome adaptation to high temperatures in the ectothermic hydrothermal vent Pompeii worm. *PLoS One*, **7**: e31150.
<http://doi.org/10.1371/journal.pone.0031150> IF 4,411
11. **Leroy F.**, **Comtet T.**, Brante A., Leroux C. & **Riera P.** 2012. Can encapsulated embryos of *Crepidula fornicata* (L.) use extracapsular dissolved organic matter? An experimental study with a ¹³C-enriched amino acid. *J. Molluscan Stud.*, **78**: 100-104.
<http://doi.org/10.1093/mollus/eyr044> IF 0,969

12. **Leroy F.**, **Riera P.**, **Jeanthon C.**, Edmond F., Leroux C. & **Comtet T.** 2012. Importance of bacterivory and preferential selection toward diatoms in larvae of *Crepidula fornicata* (L.) assessed by a dual stable isotope (¹³C, ¹⁵N) labeling approach. *J. Sea Res.*, **70**: 23-31. <http://doi.org/10.1016/j.seares.2012.02.006> IF 2,444
13. Philippart C.J.M., Amaral A., Asmus R., Van Bleijswijk J., Bremner J., Buchholz F., Cabanellas-Reboredo M., Catarino D., Cattrijsse A., Charles F., **Comtet T.**, Cunha A., Deudero S., Duchene J.-C., Frascetti S., **Gentil F.**, Gittenberger A., Guizien K., Goncalves J.M., Guarnieri G., Hendriks I., Hussel B., Vieira R.P., Reijnen B.T., Sampaio I., Serrao E., Pinto I.S., **Thiebaut E.**, **Viard F.** & Zuur A.F. 2012. Spatial synchronies in the seasonal occurrence of larvae of oysters (*Crassostrea gigas*) and mussels (*Mytilus edulis/galloprouvencialis*) in European coastal waters. *Estuar. Coast. Shelf Sc.*, **108**: 52-63. <http://doi.org/10.1016/j.ecss.2012.05.014> IF 1,887
14. **Pires A.**, **Gentil F.**, Quintino V. & Rodrigues A.M. 2012. Reproductive biology of *Diopatra neapolitana* (Annelida, Onuphidae), an exploited natural resource in Ria de Aveiro (Northwestern Portugal). *Marine Ecology*, **33**: 56-65. <http://doi.org/10.1111/j.1439-0485.2011.00463.x> IF 1,272
15. **Pires A.**, Quintino V., **Gentil F.**, Freitas R. & Rodrigues A.M. 2012. Reproductive biology of a brooding *Diopatra* species: *Diopatra marocensis* Paxton et al., 1995. *Estuar. Coast. Shelf Sc.*, **110**: 85-92. <http://doi.org/10.1016/j.ecss.2012.03.027> IF 1,887
16. Yannic G., Basset P., Buechi L., Hausser J. & **Broquet T.** 2012. Scale-specific sex-biased dispersal in the Valais shrew unveiled by genetic variation on the Y chromosome, autosomes, and mitochondrial DNA. *Evolution*, **66**: 1737-1750. <http://doi.org/10.1111/j.1558-5646.2011.01554.x> IF 5,659
17. Bishop J.D.D., **Roby C.**, Yunnice A.L.E., Wood C.A., Leveque L., Turon X. & **Viard F.** 2013. The Southern Hemisphere ascidian *Asterocarpa humilis* is unrecognised but widely established in NW France and Great Britain. *Biol. Invasions*, **15**: 253-260. <http://doi.org/10.1007/s10530-012-0286-x> IF 2,509
18. Brante A., Fernandez M. & **Viard F.** 2013. Non-Random Sibling Cannibalism in the Marine Gastropod *Crepidula coquimbensis*. *PLoS One*, **8**. <http://doi.org/10.1371/journal.pone.0067050> IF 3,730
19. **Broquet T.**, **Viard F.** & Yearsley J.M. 2013. Genetic drift and collective dispersal can result in chaotic genetic patchiness. *Evolution*, **67**: 1660-1675. <http://doi.org/10.1111/j.1558-5646.2012.01826.x> IF 4,864
20. **Bruneaux M.**, **Mary J.**, Verheye M., Lecompte O., Poch O., **Jollivet D.** & **Tanguy A.** 2013. Detection and characterisation of mutations responsible for allele-specific protein thermostabilities at the Mn-SuperOxide Dismutase gene in the deep-sea hydrothermal vent polychaete *Alvinella pompejana*. *J. Mol. Evol.*, **76**. <http://doi.org/10.1007/s00239-013-9559-y> IF 2,145
21. Genard B., **Marie B.**, Loumaye E., Knoops B., Legendre P., **Zal F.** & Rees J.F. 2013. Living in a hot redox soup: antioxidant defences of the hydrothermal worm *Alvinella pompejana*. *Aquat. Biol.*, **18**: 217-228. <http://doi.org/10.3354/ab00498> IF 1,453
22. Gerard K., Guilloton E., Arnaud-Haond S., Aurelle D., Bastrop R., Chevaldonne P., Derycke S., Hanel R., Lapegue S., **Lejeusne C.**, Mousset S., Ramsak A., Remerie T., **Viard F.**, Feral J.P. & Chenuil A. 2013. PCR survey of 50 introns in animals: Cross-amplification of homologous EPIC loci in eight non-bilaterian, protostome and deuterostome phyla. *Marine Genomics*, **12**: 1-8. <http://doi.org/10.1016/j.margen.2013.10.001> IF 1,339

23. Holder T., Basquin C., Ebert J., Randel N., **Jollivet D.**, Conti E., Jekely G. & Bono F. 2013. Deep transcriptome-sequencing and proteome analysis of the hydrothermal vent annelid *Alvinella pompejana* identifies the CvP-bias as a robust measure of eukaryotic thermostability. *Biology Direct*, **8**. <http://doi.org/10.1186/1745-6150-8-2> IF 2,720
24. **Leroy F.**, Meziane T., **Riera P.** & **Comtet T.** 2013. Seasonal variations in maternal provisioning of *Crepidula fornicata* (Gastropoda): Fatty acid composition of females, embryos and larvae. *PLoS One*, **8**: e75316. <http://doi.org/10.1371/journal.pone.0075316> IF 3,730
25. Pales Espinosa E., **Tanguy A.**, Le Panse S., **Lallier F.H.**, Allam B. & **Boutet I.** 2013. Endosymbiotic bacteria in the bivalve *Loripes lacteus*: Localization, characterization and aspects of symbiont regulation. *J. Exp. Mar. Biol. Ecol.*, **448**: 327-336. <http://doi.org/10.1016/j.jembe.2013.07.015> IF 2,263
26. **Plouviez S.**, **Faure B.**, **Le Guen D.**, **Lallier F.H.**, **Bierne N.** & **Jollivet D.** 2013. A new barrier to dispersal trapped old genetic clines that escaped the Easter Microplate tension zone of the Pacific vent mussels. *PLoS One*, **8**: e81555. <http://doi.org/10.1371/journal.pone.0081555> IF 3,730
27. Ravaux J., Hamel G., Zbinden M., Tasiemski A.A., **Boutet I.**, Leger N., **Tanguy A.**, **Jollivet D.** & Shillito B. 2013. Thermal limit for metazoan life in question: In vivo heat tolerance of the Pompeii worm. *PLoS One*, **8**. <http://doi.org/10.1371/journal.pone.0064074> IF 3,730
28. **Riquet F.**, **Daguin-Thiébaud C.**, **Ballenghien M.**, **Bierne N.** & **Viard F.** 2013. Contrasting patterns of genome-wide polymorphism in the native and invasive range of the marine mollusc *Crepidula fornicata*. *Mol. Ecol.*, **22**: 1003-1018. <http://doi.org/10.1111/mec.12161> IF 6,275
29. Silva-Aciaras F., Moraga D., Auffret M., **Tanguy A.** & Riquelme C. 2013. Transcriptomic and cellular response to bacterial challenge (pathogenic *Vibrio parahaemolyticus*) in farmed juvenile *Haliotis rufescens* fed with or without probiotic diet. *Journal of Invertebrate Pathology*, **113**: 163-176. <http://doi.org/10.1016/j.jip.2013.03.004> IF 2,064
30. **Tarnowska K.**, **Daguin-Thiebaut C.**, Pain-Devin S. & **Viard F.** 2013. Nuclear and mitochondrial genetic variability of an old invader, *Dreissena polymorpha* (Bivalvia), in French river basins. *Biol. Invasions*, **15**: 2547-2561. <http://doi.org/10.1007/s10530-013-0472-5> IF 2,509
31. * Teixeira S., Olu K., **Decker C.**, Cunha R.L., Fuchs S., Hourdez S., Serrao E.A. & Arnaud-Haond S. 2013. High connectivity across the fragmented chemosynthetic ecosystems of the deep Atlantic Equatorial Belt: efficient dispersal mechanisms or questionable endemism? *Mol. Ecol.*, **22**: 4663-4680. <http://doi.org/10.1111/mec.12419> IF 6,275
32. Thubaut J., Puillandre N., **Faure B.**, Cruaud C. & Samadi S. 2013. The contrasted evolutionary fates of deep-sea chemosynthetic mussels (Bivalvia, Bathymodiolinae). *Ecol. Evol.*, **3**: 4748-4766. <http://doi.org/10.1002/ece3.749> IF 2,537
33. **Toullec J.-Y.**, Corre E., Bernay B., Thorne M.a.S., **Cascella K.**, Ollivaux C., Henry J. & Clark M.S. 2013. Transcriptome and Peptidome Characterisation of the Main Neuropeptides and Peptidic Hormones of a Euphausiid: The Ice Krill, *Euphausia crystallorophias*. *PLoS One*, **8**. <http://doi.org/10.1371/journal.pone.0071609> IF 3,730
34. Yearsley J.M., **Viard F.** & **Broquet T.** 2013. The effect of collective dispersal on the genetic structure of a subdivided population. *Evolution*, **67**: 1649-1659. <http://doi.org/10.1111/evo.12111> IF 4,864

35. Allam B., Espinosa E.P., **Tanguy A.**, Jeffroy F., Le Bris C. & Paillard C. 2014. Transcriptional changes in Manila clam (*Ruditapes philippinarum*) in response to Brown Ring Disease. *Fish Shellfish Immuno.*, **41**: 2-11.
<http://doi.org/10.1016/j.fsi.2014.05.022>
IF 3,034
36. Bassim S., **Tanguy A.**, Genard B., Moraga D. & Tremblay R. 2014. Identification of *Mytilus edulis* genetic regulators during early development. *Gene*, **551**: 65-78.
<http://doi.org/10.1016/j.gene.2014.08.042>
IF 2,082
37. Cahill A.E. & **Viard F.** 2014. Genetic structure in native and non-native populations of the direct-developing gastropod *Crepidula convexa*. *Mar. Biol.*, **161**: 2433-2443.
<http://doi.org/10.1007/s00227-014-2519-2> IF 2,468
38. **Decker C.**, Zorn N., Potier N., Leize-Wagner E., **Lallier F.H.**, Olu K. & **Andersen A.C.** 2014. Globin's structure and function in Vesicomid bivalves from the Gulf of Guinea cold seeps, as an adaptation to life in reduced sediments. *Physiological Biochemistry and Zoology*, **87**: 855-869.
<http://doi.org/10.1086/678131> IF 2,456
39. **Dijoux L.**, **Viard F.** & Payri C. 2014. The more we search, the more we find: Discovery of a new lineage and a new species complex in the genus *Asparagopsis*. *PLoS One*, **9**.
<http://doi.org/10.1371/journal.pone.0103826> IF 3,534
40. **Fuenzalida G.**, Poulin E., Gonzalez-Wevar C., Molina C. & Cardenas L. 2014. Next-generation transcriptome characterization in three *Nacella* species (Patellogastropoda: Nacellidae) from South America and Antarctica. *Marine Genomics*, **18 Pt B**: 89-91.
<http://doi.org/10.1016/j.margen.2014.06.004> IF 1,971
41. **Guezi H.**, **Boutet I.**, **Andersen A.C.**, **Lallier F.H.** & **Tanguy A.** 2014. Comparative analysis of symbiont ratios and gene expression in natural populations of two *Bathymodiolus* mussel species. *Symbiosis*, **63**: 19-29.
<http://doi.org/10.1007/s13199-014-0284-0> IF 0,941
42. **Jolly M.T.**, **Thiebaut E.**, Guyard P., **Gentil F.** & **Jollivet D.** 2014. Meso-scale hydrodynamic and reproductive asynchrony affects the source-sink metapopulation structure of the coastal polychaete *Pectinaria koreni*. *Mar. Biol.*, **161**: 367-382.
<http://doi.org/10.1007/s00227-013-2342-1> IF 2,468
43. **Le Cam S.**, **Riquet F.**, Pechenik J.A. & **Viard F.** 2014. Paternity and gregariousness in the sex-changing sessile marine gastropod *Crepidula convexa*: comparison with other protandrous *Crepidula* species. *J. Heredity*, **105**: 397-406.
<http://doi.org/10.1093/jhered/esu002> IF 1,995
44. **Leclerc J.C.**, **Riera P.**, **Noel L.M.L.J.**, Leroux C. & **Andersen A.C.** 2014. Trophic ecology of *Pomatoschistus microps* within an intertidal bay (Roscoff, France), investigated through gut content and stable isotope analyses. *Mar. Ecol.-Evol. Persp.*, **35**: 261-270.
<http://doi.org/10.1111/maec.12071> IF 2,561
45. Luximon N., Petit E.J. & **Broquet T.** 2014. Performance of individual vs. group sampling for inferring dispersal under isolation-by-distance. *Mol. Ecol. Res.*, **14**: 745-752.
<http://doi.org/10.1111/1755-0998.12224> IF 5,626
46. **Noisette F.**, **Comtet T.**, **Legrand E.**, **Bordeyne F.**, **Davault D.** & **Martin S.** 2014. Does encapsulation protect embryos from the effects of ocean acidification? The example of *Crepidula fornicata*. *PLoS One*, **9**.
<http://doi.org/10.1371/journal.pone.0093021> IF 3,730

47. * Ollivaux C., Soyez D. & **Toullec J.Y.** 2014. Biogenesis of D-amino acid containing peptides/proteins: where, when and how? *Journal of Peptide Science*, **20**: 595-612.
<http://doi.org/10.1002/psc.2637> IF 1,862
48. Oppliger L.V., Von Dassow P., **Bouchemousse S.**, **Robuchon M.**, Valero M., Correa J.A., Mauger S. & Destombe C. 2014. Alteration of sexual reproduction and genetic diversity in the kelp species *Laminaria digitata* at the southern limit of its range. *PLoS One*, **9**.
<http://doi.org/10.1371/journal.pone.0102518> IF 3,534
49. Pain-Devin S., Cossu-Leguille C., Geffard A., Giamberini L., Jouenne T., Minguez L., Naudin B., Parant M., Rodius F., Rousselle P., Tarnowska K., **Daguin-Thiebaut C.**, **Viard F.** & Devin S. 2014. Towards a better understanding of biomarker response in field survey: A case study in eight populations of zebra mussels. *Aquat. Toxicol.*, **155**: 52-61.
<http://doi.org/10.1016/j.aquatox.2014.06.008> IF 3,513
50. Rubin E., **Tanguy A.**, Perrigault M., Espinosa E.P. & Allam B. 2014. Characterization of the transcriptome and temperature-induced differential gene expression in QPX, the thraustochytrid parasite of hard clams. *BMC Genomics*, **15**.
<http://doi.org/10.1186/1471-2164-15-245> IF 4,397
51. Tasiemski A., Jung S., Boidin-Wichlacz C., **Jollivet D.**, Cuvillier-Hot V., Pradillon F., Vetriani C., Hecht O., Sönnichsen F.D., Gelhaus C., Hung C.-W., Tholey A., Leippe M., Grötzinger J. & Gaill F. 2014. Characterization and function of the first antibiotic isolated from a vent organism: The extremophile metazoan *Alvinella pompejana*. *PLoS One*, **9**: e95737.
<http://doi.org/10.1371/journal.pone.0095737> IF 3,534
52. Bassim S., Chapman R.W., **Tanguy A.**, Moraga D. & Tremblay R. 2015. Predicting growth and mortality of bivalve larvae using gene expression and supervised machine learning. *Comparative Biochemistry and Physiology D-Genomics & Proteomics*, **16**: 59-72.
<http://doi.org/10.1016/j.cbd.2015.07.004> IF 2,055
53. Bishop J.D.D., Wood C.A., Leveque L., Yunnie A.L.E. & **Viard F.** 2015. Repeated rapid assessment surveys reveal contrasting trends in occupancy of marinas by non-indigenous species on opposite sides of the western English Channel. *Mar. Pollut. Bull.*, **95**: 699-706.
<http://doi.org/10.1016/j.marpolbul.2014.11.043> IF 2,991
54. **Bougerol M.**, **Boutet I.**, **Leguen D.**, **Jollivet D.** & **Tanguy A.** 2015. Transcriptomic response of the hydrothermal mussel *Bathymodiolus azoricus* in experimental exposure to heavy metals is modulated by the Pgm genotype and symbiont content. *Marine Genomics*, **21**: 63-73.
<http://doi.org/10.1016/j.margen.2014.11.010> IF 1,971
55. **Broquet T.**, Barranger A., Billard E., Bestin A., Berger R., Honnaert G. & **Viard F.** 2015. The size advantage model of sex allocation in the protandrous sex-changer *Crepidula fornicata*: Role of the mating system, sperm storage, and male mobility. *Am. Nat.*, **186**: 404-420.
<http://doi.org/10.5061/dryad.p0c02> IF 3,832
56. **Cascella K.**, **Jollivet D.**, Papot C., Léger N., Corre E., Ravaux J., Clark M.S. & **Toullec J.-Y.** 2015. Diversification, evolution and sub-functionalization of 70kda heat-shock proteins in two sister species of antarctic krill: Differences in thermal habitats, responses and implications under climate change. *PLoS One*, **10**: e0121642.
<http://doi.org/10.1371/journal.pone.0121642> IF 3,534

57. **Comtet T.**, Sandionigi A., **Viard F.** & Casiraghi M. 2015. DNA (meta)barcoding of biological invasions: a powerful tool to elucidate invasion processes and help managing aliens. *Biol. Invasions*, **17**: 905-922. <http://doi.org/10.1007/s10530-015-0854-y> IF 2,716
58. Engelen A.H., Ang P., Britton-Simmons K., Mineur F., Pedersen M., Arenas F., Fernández C., Steen H., Svenson R., Pavia H., Toth G., **Viard F.** & Santos R. 2015. Circumglobal invasion by the brown seaweed *Sargassum muticum*. *Oceanography and Marine Biology: An Annual Review*, **53**: 81-126. <http://doi.org/10.1201/b18733-4> IF 4,091
59. Gagnaire P.A., **Broquet T.**, Aurelle D., **Viard F.**, Souissi A., Bonhomme F., Arnaud-Haond S. & Bierne N. 2015. Using neutral, selected, and hitchhiker loci to assess connectivity of marine populations in the genomic era. *Evolutionary Applications*, **8**: 769-786. <http://doi.org/10.1111/eva.12288> IF 3,896
60. Gómez-Chiarri M., Guo X., **Tanguy A.**, He Y. & Proestou D. 2015. The use of -omic tools in the study of disease processes in marine bivalve mollusks. *Journal of Invertebrate Pathology*, **131**: 137-154. <http://doi.org/10.1016/j.jip.2015.05.007> IF 2,601
61. **Le Cam S.**, Perrier C., Besnard A.-L., Bernatchez L. & Evanno G. 2015. Genetic and phenotypic changes in an Atlantic salmon population supplemented with non-local individuals: a longitudinal study over 21 years. *Proceedings. Biological sciences / The Royal Society*, **282**. <http://doi.org/10.1098/rspb.2014.2765> IF 5,292
62. Liu C.J., Huang S.S., **Toullec J.Y.**, Chang C.Y., Chen Y.R., Huang W.S. & Lee C.Y. 2015. Functional assessment of residues in the amino- and carboxyl-termini of Crustacean Hyperglycemic Hormone (CHH) in the mud crab *Scylla olivacea* using point-mutated peptides. *PLoS One*, **10**. <http://doi.org/10.1371/journal.pone.0134983> IF 3,234
63. **Murphy J.T.** & Johnson M.P. 2015. A theoretical analysis of the Allee effect in wind-pollinated cordgrass plant invasions. *Theoretical population biology*, **106**: 14-21. <http://doi.org/10.1016/j.tpb.2015.10.004> IF 1,702
64. Pante E., Puillandre N., Viricel A.E., Arnaud-Haond S., Aurelle D., Castelin M., Chenuil A., Destombe C., Forcioli D., Valero M., **Viard F.** & Samadi S. 2015. Species are hypotheses: avoid connectivity assessments based on pillars of sand. *Mol. Ecol.*, **24**: 525-544. <http://doi.org/10.1111/mec.13048> IF 5,840
65. **Projecto-Garcia J.**, Jollivet D., **Mary J.**, **Lallier F.H.**, Schaeffer S.W. & Hourdez S. 2015. Selective forces acting during multi-domain protein evolution: the case of multi-domain globins. *SpringerPlus*, **4**: 354. <http://doi.org/10.1186/s40064-015-1124-2> IF NR
66. **Ribardiere A.**, **Broquet T.** & **Daguin-Thiebaut C.** 2015. Microsatellite markers for the *Jaera albifrons* species complex (marine isopods). *BMC research notes*, **8**: 632. <http://doi.org/10.1186/s13104-015-1595-9> IF NR
67. Rius M., Turon X., Bernardi G., Volckaert F.a.M. & **Viard F.** 2015. Marine invasion genetics: from spatio-temporal patterns to evolutionary outcomes. *Biol. Invasions*, **17**: 869-885. <http://doi.org/10.1007/s10530-014-0792-Q> IF 2,716

68. Szafranski K.M., Piquet B., Shillito B., **Lallier F.H.** & Duperron S. 2015. Relative abundances of methane- and sulfur-oxidizing symbionts in gills of the deep-sea hydrothermal vent mussel *Bathymodiolus azoricus* under pressure. *Deep-Sea Research Part I - Oceanographic Research Papers*, **101**: 7-13.
<http://doi.org/10.1016/j.dsr.2015.03.003>
IF 2,825
69. Araújo R.M., Assis J., Aguillar R., Airoidi L., Bárbara I., Bartsch I., Bekkby T., Christie H., **Davout D.**, Derrien-Courtel S., Fernandez C., Fredriksen S., Gevaert F., Gundersen H., Le Gal A., Lévêque L., Mieszkowska N., Norderhaug K.M., Oliveira P., Puente A., Rico J.M., Rinde E., Schubert H., Strain E.M., Valero M., **Viard F.** & Sousa-Pinto I. 2016. Status, trends and drivers of kelp forests in Europe: an expert assessment. *Biodiversity and Conservation*, **25**: 1319-1348. <http://doi.org/10.1007/s10531-016-1141-7> IF 2,365
70. **Bouchemousse S.**, Bishop J.D.D. & **Viard F.** 2016. Contrasting global genetic patterns in two biologically similar, widespread and invasive *Ciona* species (Tunicata, Ascidiacea). *Scientific Reports*, **6**: 24875.
<http://doi.org/10.1038/srep24875> IF 5,228
71. **Bouchemousse S.**, Lévêque L., Dubois G. & **Viard F.** 2016. Co-occurrence and reproductive synchrony do not ensure hybridization between an alien tunicate and its interfertile native congener. *Evol Ecol*, **30**: 69-87.
<http://doi.org/10.1007/s10682-015-9788-1> IF 2,517
72. **Bouchemousse S.**, Liautard-Haag C., Bierne N. & **Viard F.** 2016. Distinguishing contemporary hybridization from past introgression with postgenomic ancestry-informative SNPs in strongly differentiated *Ciona* species. *Mol. Ecol.*, **25**: 5527-5542.
<http://doi.org/10.1111/mec.13854> IF 5,947
73. Breusing C., Biastoch A., Drews A., Metaxas A., **Jollivet D.**, Vrijenhoek Robert C., Bayer T., Melzner F., Sayavedra L., Petersen Jillian M., Dubilier N., Schilhabel Markus B., Rosenstiel P. & Reusch Thorsten Bb.H. 2016. Biophysical and population genetic models predict the presence of “phantom” stepping stones connecting Mid-Atlantic Ridge vent ecosystems. *Current Biology*, **26**: 2257-2267.
<http://doi.org/10.1016/j.cub.2016.06.062>
IF 8,983

74. Cabral P., Levrel H., **Viard F.**, Frangoudes K., Girard S. & Scemama P. 2016. Ecosystem services assessment and compensation costs for installing seaweed farms. *Marine Policy*, **71**: 157-165. <http://doi.org/10.1016/j.marpol.2016.05.031> IF 2,453
75. Cardenas L., Castilla J.C. & **Viard F.** 2016. Hierarchical analysis of the population genetic structure in *Concholepas concholepas*, a marine mollusk with a long-lived dispersive larva. *Mar. Ecol.-Evol. Persp.*, **37**: 359-369. <http://doi.org/10.1111/maec.12286> IF 1,138
76. **Decker C.**, Zorn N., Le Bruchec J., Caprais J.-C., Potier N., Leize-Wagner E., **Lallier F.H.**, Olu K. & **Andersen A.C.** 2016. Can the hemoglobin characteristics of vesicomid clam species influence their distribution in deep-sea sulfide-rich sediments? A case study in the Gulf of Guinea. *Deep-Sea Research Part II - Topical Studies in Oceanography*, **online**. <http://doi.org/10.1016/j.dsr2.2016.11.009> IF 2,137
77. **Detrée C.**, **Chabenat A.**, **Lallier F.H.**, Satoh N., Shoguchi E., **Tanguy A.** & **Mary J.** 2016. Multiple i-type lysozymes in the hydrothermal vent mussel *Bathymodiolus azoricus* and their role in symbiotic plasticity. *PLoS One*, **11**: e0148988. <http://doi.org/10.1371/journal.pone.0148988> IF 3,234
78. Dussex N., **Broquet T.** & Yearsley J.M. 2016. Contrasting dispersal inference methods for the greater white-toothed shrew. *The Journal of Wildlife Management*, **80**: 812-823. <http://doi.org/10.1002/jwmg.21075> IF 1,725
79. Eldon B., **Riquet F.**, Yearsley J., **Jollivet D.** & **Broquet T.** 2016. Current hypotheses to explain genetic chaos under the sea. *Current Zoology*, **62**: 551-566. <http://doi.org/10.1093/cz/zow094> IF 1,758
80. Fernandes J.A., Santos L., Vance T., Fileman T., Smith D., Bishop J.D.D., **Viard F.**, Queirós A.M., Merino G., Buisman E. & Austen M.C. 2016. Costs and benefits to European shipping of ballast-water and hull-fouling treatment: Impacts of native and non-indigenous species. *Marine Policy*, **64**: 148-155. <http://doi.org/10.1016/j.marpol.2015.11.015> IF 2,453
81. Gonzalez-Ortegon E., Palero F., **Lejeusne C.**, Drake P. & Cuesta J.A. 2016. A salt bath will keep you going? Euryhalinity tests and genetic structure of caridean shrimps from Iberian rivers. *Sc. Total Env.*, **540**: 11-19. <http://doi.org/10.1016/j.scitotenv.2015.06.028> IF 4,099
82. Gouillieux B., Lavesque N., **Leclerc J.-C.**, Le Garrec V., **Viard F.** & Bachelet G. 2016. Three non-indigenous species of *Aoroides* (Crustacea: Amphipoda: Aoridae) from the French Atlantic coast. *J. Mar. Biol. Assoc. UK*, **96**: 1651-1659. <http://doi.org/10.1017/S0025315415002027> IF 1,094
83. Hsiao C.J., Wu Y.I., Tung T.A., Wang G.Y., **Toullec J.Y.**, Liu S.T., Huang W.S. & Lee C.Y. 2016. Metabolic effects of parasitization by the barnacle *Polyascus plana* (Cirripedia: Rhizocephala: Sacculinidae) on a grapsid host, *Metopograpsus thukuhar*. *Diseas. Aquat. Org.*, **119**: 199-206. <http://doi.org/10.3354/dao03000> IF 1,770
84. Hudson J., **Viard F.**, **Roby C.** & Rius M. 2016. Anthropogenic transport of species across native ranges: unpredictable genetic and evolutionary consequences. *Biology Letters*, **12**: 20160620. <http://doi.org/10.1098/rsbl.2016.0620> IF 2,823

85. Huenerlage K., **Cascella K.**, Corre E., Toomey L., Lee C.Y., Buchholz F. & **Toullec J.Y.** 2016. Responses of the arcto-boreal krill species *Thysanoessa inermis* to variations in water temperature: coupling Hsp70 isoform expressions with metabolism. *Cell Stress & Chaperones*, **21**: 969-981. <http://doi.org/10.1007/s12192-016-0720-6> IF 2,583
86. Kenworthy J.M., Paterson D.M. & Bishop M.J. 2016. Response of benthic assemblages to multiple stressors: comparative effects of nutrient enrichment and physical disturbance. *Marine Ecology Progress Series*, **562**: 37-51. <http://doi.org/10.3354/meps11935> IF 2,361
87. Marie A.D., **Lejeusne C.**, Karapatsiou E., Cuesta J.A., Drake P., Macpherson E., Bernatchez L. & Rico C. 2016. Implications for management and conservation of the population genetic structure of the wedge clam *Donax trunculus* across two biogeographic boundaries. *Scientific Reports*, **6**. <http://doi.org/10.1038/srep39152> IF 5,228
88. **Murphy J.T.**, Johnson M. & **Viard F.** 2016. Modelling Approaches to Inform the Control and Management of Invasive Seaweeds. *Ercim News*: 22-23. IF NR
89. **Murphy J.T.**, Johnson M.P. & **Viard F.** 2016. A modelling approach to explore the critical environmental parameters influencing the growth and establishment of the invasive seaweed *Undaria pinnatifida* in Europe. *Journal of Theoretical Biology*, **396**: 105-115. <http://doi.org/10.1016/j.jtbi.2016.01.038> IF 2,116
90. **Murphy J.T.**, Voisin M., Johnson M. & **Viard F.** 2016. Abundance and recruitment data for *Undaria pinnatifida* in Brest harbour, France: Model versus field results. *Data in brief*, **7**: 540-545. <http://doi.org/10.1016/j.dib.2016.02.075> IF NR
91. **Papot C.**, **Cascella K.**, **Toullec J.-Y.** & **Jollivet D.** 2016. Divergent ecological histories of two sister Antarctic-krill species led to contrasted patterns of genetic diversity in their heat-shock protein (hsp70) arsenal. *Ecol. Evol.*, **6**: 1555-1575. <http://doi.org/10.1002/ece3.1989> IF 2,537
92. Rabouille C., Olu K., Baudin F., Khripounoff A., Dennielou B., Arnaud-Haond S., Babonneau N., Bayle C., Beckler J., Bessette S., Bombled B., Bourgeois S., Brandily C., Caprais J.C., Cathalot C., Charlier K., Corvaisier R., Croguennec C., Cruaud P., **Decker C.**, Droz L., Gayet N., Godfroy A., Hourdez S., Le Bruchec J., Le Saout J., Lesaout M., Lesongeur F., Martinez P., Mejanelle L., Michalopoulos P., Mouchel O., Noel P., Pastor L., Picot M., Pignet P., Pozzato L., Pruski A.M., Rabiller M., Raimonet M., Ragueneau O., Reyss J.L., Rodier P., Ruesch B., Ruffine L., Savignac F., Senyarch C., Schnyder J., Sen A., Stetten E., Sun M.Y., Taillefert M., Teixeira S., Tisnerat-Laborde N., Toffin L., Tourolle J., Toussaint F., Vétion G., Jouanneau J.M. & Bez M. 2016. The Congolobe project, a multidisciplinary study of Congo deep-sea fan lobe complex: Overview of methods, strategies, observations and sampling. *Deep-Sea Research Part II - Topical Studies in Oceanography*, **online**. <http://doi.org/http://dx.doi.org/10.1016/j.dsr2.2016.05.006> IF 2,137
93. **Riquet F.**, **Le Cam S.**, Fonteneau E. & **Viard F.** 2016. Moderate genetic drift is driven by extreme recruitment events in the invasive mollusk *Crepidula fornicata*. *Heredity*, **117**: 42-50. <http://doi.org/10.1038/hdy.2016.24> IF 3,805
94. **Viard F.**, David P. & Darling J.A. 2016. Marine invasions enter the genomic era: three lessons from the past, and the way forward. *Current Zoology*, **62**: 629-642. <http://doi.org/10.1093/cz/zow053> IF 1,758

95. Wang K., Pales Espinosa E., **Tanguy A.** & Allam B. 2016. Alterations of the immune transcriptome in resistant and susceptible hard clams (*Mercenaria mercenaria*) in response to Quahog Parasite Unknown (QPX) and temperature. *Fish Shellfish Immuno.*, **49**: 163-176. <http://doi.org/http://dx.doi.org/10.1016/j.fsi.2015.12.006> IF 2,674
96. Yannic G., **Broquet T.**, Strøm H., Aebischer A., Dufresnes C., Gavrilov M.V., Grant Gilchrist H., Mallory M.L., Guy Morrison R.I., Sabard B., Sermier R. & Gilg O. 2016. Genetic and morphological sex identification methods reveal a male-biased sex ratio in the Ivory Gull *Pagophila eburnea*. *Journal of Ornithology*, **157**: 861-873. <http://doi.org/10.1007/s10336-016-1328-4> IF 1,419
97. Yannic G., Yearsley J.M., Sermier R., Dufresnes C., Gilg O., Aebischer A., Gavrilov M.V., Strom H., Mallory M.L., Morrison R.I.G., Gilchrist H.G. & **Broquet T.** 2016. High connectivity in a long-lived high-Arctic seabird, the ivory gull *Pagophila eburnea*. *Polar Biol.*, **39**: 221-236. <http://doi.org/10.1007/s00300-015-1775-z> IF 1,586
98. **Bouchemousse S.**, Leveque L. & **Viard F.** 2017. Do settlement dynamics influence competitive interactions between an alien tunicate and its native congener? *Ecol. Evol.*, **7**: 200-213. <http://doi.org/10.1002/ece3.2655> IF 2,537
99. Boudouresque C.F., Blanfuné A., Fernandez C., **Lejeune C.**, Pérez T., Ruitton S., Thibault D., Thibaut T. & Verlaque M. 2017. Marine biodiversity warming vs. biological invasions and overfishing in the Mediterranean Sea: take care, 'one train can hide another'. *MOJ Ecology & Environmental Science*, **2**. IF
100. **Decker C.**, Zorn N., Le Bruchec J., Caprais J.C., Potier N., Leize-Wagner E., **Lallier F.H.**, Olu K. & **Andersen A.C.** 2017. Can the hemoglobin characteristics of vesicomid clam species influence their distribution in deep-sea sulfide-rich sediments? A case study in the Angola Basin. *Deep Sea Res. II*, **142**: 219-232. <http://doi.org/10.1016/j.dsr2.2016.11.009> IF 1,713
101. **Detrée C.**, **Lallier F.H.**, **Tanguy A.** & **Mary J.** 2017. Identification and gene expression of multiple peptidoglycan recognition proteins (PGRPs) in the deep-sea mussel *Bathymodiolus azoricus*, involvement in symbiosis?". *Comp Biochem Physiol B*, **207**: 1-8. <http://doi.org/10.1016/j.cbpb.2017.02.002> IF 1,651

102. Dias J.P., S. Fotedar, J. Munoz, M. J. Hewitt, S. Lukehurst, M. Hourston, C. Wellington, R. Duggan, S. Bridgwood, M. Massam, V. Aitken, P. De Lestang, S. Mckirdy, R. Willan, L. Kirkendale, J. Giannetta, M. Corsini-Foka, S. Pothoven, F. Gower, **F. Viard**, C. Buschbaum, G. Scarcella, P. Strafella, M. J. Bishop, T. Sullivan, I. Buttino, H. Madduppa, M. Huhn, C. J. Zabin, K. Bacela-Spychalska, D. Wójcik-Fudalewska, A. Markert, A. Maximov, L. Kautsky, C. Jaspers, J. Kotta, M. Pärnoja, D. Robledo, K. Tsiamis, F. C. Küpper, A. Žuljević, J. I. McDonald & M. Snow 2017. Establishment of a taxonomic and molecular reference collection to support the identification of species regulated by the Western Australian Prevention List for Introduced Marine Pests. *Manag Biol Invasion*, **8**: 215-225. <https://doi.org/10.3391/mbi.2017.8.2.09> IF 1,439
103. **Fontanillas E.**, Galzitskaya O.V., Lecompte O., Lobanov M.Y., **Tanguy A.**, **Mary J.**, Girguis P.R., Hourdez S. & **Jollivet D.** 2017. Proteome Evolution of Deep-Sea Hydrothermal Vent Alvinellid Polychaetes Supports the Ancestry of Thermophily and Subsequent Adaptation to Cold in Some Lineages. *Genome Biology and Evolution*, **9**: 279-296. <http://doi.org/10.1093/gbe/evw298> IF 4,098
104. **Fuenzalida G.**, **Lallier F.H.**, Riso R., Waeles M. & **Tanguy A.** 2017. Metal accumulation and regulation of metal related gene expression in the hydrothermal vent mussel *Bathymodiolus azoricus* as a signature of environmental contamination. *Marine Environmental Research*, **in press**. IF 2,769
105. Gaudron S.M., **Hourdez S.** & Olu K. 2017. Aspects on gametogenesis, fertilization and embryogenesis of two deep-sea polychaetes from Eastern Atlantic cold seeps. *Deep-Sea Res. I*, **129**: 59-68. <http://doi.org/10.1016/j.dsr.2017.10.003> IF 2,48
106. Labella A.L., Van Dover C.L., **Jollivet D.** & Cunningham C.W. 2017. Gene flow between Atlantic and Pacific Ocean basins in three lineages of deep-sea clams (Bivalvia: Vesicomidae: Pliocardiinae) and subsequent limited gene flow within the Atlantic. *Deep-Sea Research Part II - Topical Studies in Oceanography*, **137**: 307-317. <http://doi.org/10.1016/j.dsr2.2016.05.013> IF 2,137
107. Li W.F., Chiu K.H., Tien Y.C., Tsai S.F., Shih L.J., Lee C.H., **Toullec J.Y.** & Lee C.Y. 2017. Differential effects of silencing crustacean hyperglycemic hormone gene expression on the metabolic profiles of the muscle and hepatopancreas in the crayfish *Procambarus clarkii*. *PLoS One*, **12**. <http://doi.org/10.1371/journal.pone.0172557> IF 3,057
108. **Malfant M.**, **Coudret J.**, Le Merdy R. & **Viard F.** 2017. Effects of temperature and salinity on juveniles of two ascidians, one native and one invasive, and their hybrids. *J. Exp. Mar. Biol. Ecol.*, **497**: 180-187. <http://doi.org/10.1016/j.jembe.2017.09.019> IF 1,937
109. **Murphy J.T.**, Johnson M.P. & **Viard F.** 2017. A theoretical examination of environmental effects on the life cycle schedule and range limits of the invasive seaweed *Undaria pinnatifida*. *Biol. Invasions*, **19**: 691-702. <http://doi.org/10.1007/s10530-016-1357-1> IF 2,855
110. **Papot C.**, Massol F., **Jollivet D.** & Tasiemski A. 2017. Antagonistic evolution of an antibiotic and its molecular chaperone: how to maintain a vital ectosymbiosis in a highly fluctuating habitat. *Scientific Reports*, **7**: 1454. <http://doi.org/10.1038/s41598-017-01626-2> IF 5,228

111. Pinochet J., Leclerc J.C., Brante A., Daguin-Thiebaut C., Diaz C., Tellier F. & Viard F. 2017. Presence of the tunicate *Asterocarpa humilis* on ship hulls and aquaculture facilities in the coast of the Biobio Region, south central Chile. *PeerJ*, **5**: e3672. <http://doi.org/10.7717/peerj.3672> IF 2,177
112. Projecto-Garcia J., Le Port A.S., Govindji T., Jollivet D., Schaeffer S.W. & Hourdez S. 2017. Evolution of Single-Domain Globins in Hydrothermal Vent Scale-Worms. *J. Mol. Evol.*, **85**: 172-187. <http://doi.org/10.1007/s00239-017-9815-7> IF 2,434
113. Ribardière A., Daguin-Thiébaud C., Houbin C., Coudret J., Broudin C., Timsit O. & Broquet T. 2017. Geographically distinct patterns of reproductive isolation and hybridisation in two sympatric species of the *Jaera albifrons* complex (marine isopods). *Ecol. Evol.*, **7** : 5352-5365. <http://doi.org/10.1002/ece3.3106> IF 2,537
114. Riquet F., Comtet T., Broquet T. & Viard F. 2017. Unexpected collective larval dispersal but little support for sweepstakes reproductive success in the highly dispersive brooding mollusk *Crepidula fornicata*. *Mol. Ecol.*, **26**: 5467-5483. <http://doi.org/10.1111/mec.14328> IF 6,086
115. Rubin E., Tanguy A., Pales Espinosa E. & Allam B. 2017. Differential gene expression in five isolates of the clam pathogen, Quahog Parasite Unknown (QPX). *Journal of Eukaryotic Microbiology*, **64** : 647-654. <http://doi.org/10.1111/jeu.12400> IF 2,692
116. Toullec J.Y., Corre E., Mandon P., Gonzalez-Aravena M., Ollivaux C. & Lee C.Y. 2017. Characterization of the neuropeptidome of a Southern Ocean decapod, the Antarctic shrimp *Chorismus antarcticus*: Focusing on a new decapod ITP-like peptide belonging to the CHH peptide family. *General and Comparative Endocrinology*, **252**: 60-78. <http://doi.org/10.1016/j.ygcen.2017.07.015> IF 2,585