

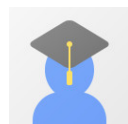
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Publons :
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1. Peer-reviewed articles

- 1.26 **Hirsch PE**, N’Guyen A, Adrian-Kalchhauser I, Muller R, Burkhardt-Holm P (2018). Colonizing islands of water on dry land – on the passive dispersal of fish eggs by birds **Fish and Fisheries**. doi: 10.1111/faf.12270
- 1.25 Samson E, **Hirsch PE**, Palmer S, Behrens J, Brodin T, Travis J (2017). Using individual-based models to prioritize research for improving invasive species management. **Frontiers in Ecology and Evolution**, 5, 149
- 1.24 Adrian-Kalchhauser I, N’Guyen A, **Hirsch PE**, Burkhardt-Holm P (2017). The invasive round goby may attach its eggs to ships or boats - but there is no evidence **Aquatic Invasions** 12: 263–267
- 1.23 Straub S, **Hirsch PE**, Burkhardt-Holm P (2017). Biodegradable and Petroleum-Based Microplastics Do Not Differ in Their Ingestion and Excretion but in Their Biological Effects in a Freshwater Invertebrate *Gammarus fossarum*. **International Journal Environmental and Public Health** 14: 774
- 1.22 N’Guyen A, **Hirsch PE**, Bozutto C, Adrian-Kalchhauser I, Hôrková K, Burkhardt-Holm P (2017). A dynamical model for invasive round goby populations reveals efficient and effective management options. **Journal of Applied Ecology** 55: 342-352
- 1.21 **Hirsch PE**, Eloranta AP*(shared first authorship, the second author did most of the revisions as I was busy with field, work, teaching and other manuscripts and therefore became shared first author), Amundsen P-A, Brabrand Å, Charmasson J, Helland IP, Power M, Sánchez-Hernández J, Sandlund OT, Sauterleute JF, Skoglund S, Ugedal O, Yang H (2017). Effects of anthropogenic water level regulations in reservoirs - an ecosystem approach with a special emphasis on fish. **Hydrobiologia** 794: 287–301
- 1.20 **Hirsch PE**, Thorlacius M, Brodin T, Burkhardt-Holm P (2017). An approach to incorporating individual personality in modelling fish dispersal across in-stream barriers. **Ecology and Evolution** 7:720-732
- 1.19 **Hirsch PE**, Schillinger M, Weigt H, Apolloni K, Burkhardt-Holm P (2016). Integrating economic and ecological benchmarking for a sustainable development of hydropower. **Sustainability** 8: 875
- 1.18 Bartels P, **Hirsch PE**, Svanbäck R, Eklöv P (2016). Dissolved organic carbon reduces habitat coupling by top predators in lake ecosystems. **Ecosystems** 19:955
- 1.17 Adrian-Kalchhauser I, **Hirsch PE**, Behrman-Godel J, N’Guyen A, Watzlawczyk S, Gertzen S, Borchering J, Burkhardt-Holm P (2016). The invasive bighead goby *Ponticola kessleri* displays large scale genetic similarities and small scale genetic differentiation in relation with shipping patterns. **Molecular Ecology** 25:1925-1943

- 1.16 **Hirsch PE**, Adrian-Kalchhauser I, Flämig S, N’Guyen A, Defila R, Di Giulio A, Burkhardt-Holm P (2016). A tough egg to crack: recreational boats as vectors for invasive goby eggs and transdisciplinary management approaches. **Ecology and Evolution** 6: 707-715
- 1.15 **Hirsch PE**, N’Guyen A*(shared first authorship, the second author did the literature search while I wrote the paper therefore she became the shared first authorship), Adrian-Kalchhauser I, Burkhardt-Holm P (2016). What do we really know about the impacts of one of the 100 worst invaders in Europe? A reality check. **Ambio** 45: 267-279
- 1.14 N’Guyen A, **Hirsch PE** *(shared first authorship, the first author did more of the writing, while I only wrote parts of that paper and focussed on the data presentation and conceptual inputs therefore we shared the authorship), Adrian-Kalchhauser I, Burkhardt-Holm P (2016). Improving invasive species management by integrating priorities and contributions of scientists and decision makers. **Ambio** 45: 280-289
- 1.13 **Hirsch PE**, Burkhardt-Holm P, Töpfer I, Fischer P (2016). Movement patterns and shelter choice of spiny-cheek crayfish (*Orconectes limosus*) in a large lake’s littoral zone. **Aquatic Invasions** 11: 55–65
- 1.12 **Hirsch PE**, Eckmann R (2015). Individual identification of Eurasian perch *Perca fluviatilis* by means of their stripe patterns. **Limnologica** 54: 1-4
- 1.11 **Hirsch PE**, Schillinger S, Weigt H, Burkhardt-Holm P (2014). A hydro-economic model for water level fluctuations: combining limnology with economics for sustainable development of hydro-power. **PLOS ONE** 9: e114889
- 1.10 Kalchhauser I, Mutzner P, **Hirsch PE**, and Burkhardt-Holm P (2013). Arrival of round goby *Neogobius melanostomus* (Pallas, 1814) and bighead goby *Ponticola kessleri* (Günther, 1861) in the High Rhine (Switzerland). **Aquatic Invasions / Bio Invasion Records** 2:79–83
- 1.9 **Hirsch PE**, Cayon D, Svanbäck R (2014). Plastic responses of a sessile prey to multiple predators: A field and experimental study. **PLOS ONE** 9: e115192
- 1.8 Bolnick D, Snowberg L, **Hirsch PE**, Lauber CL, Knight R, Org E, Parks B, Lusi AJ, Caporaso JG, Svanbäck R (2014). Individual diet has sex-dependent effects on vertebrate gut microbiota. **Nature Communications** 5:4500
- 1.7 Bolnick D, Snowberg L, **Hirsch PE**, Lauber CL, Knight R, Caporaso JG, Svanbäck R (2014). Individuals’ diet diversity influences gut microbial diversity in two freshwater fish (threespine stickleback and Eurasian perch). **Ecology Letters** 17:979–987
- 1.6 **Hirsch PE**, Behrmann-Godel J, Oppelt C, Eckmann R (2013). Phenotypic and genetic divergence within a single whitefish form – detecting the potential for future divergence. **Evolutionary Applications** 6:1119-1132
- 1.5 **Hirsch PE**, Eklöv P, Svanbäck R (2013). Indirect trophic interactions with an invasive species affect phenotypic divergence in a top consumer. **Oecologia** 172:245-252
- 1.4 Bartels P, **Hirsch PE**, Svanbäck R, Eklöv P (2012). Water transparency drives intra-population divergence in Eurasian perch (*Perca fluviatilis*). **PLOS ONE** 7: e43641
- 1.3 **Hirsch PE** (2010). Freshwater crayfish invasions: former crayfish invader Galician crayfish hands title invasive over to new invader spiny-cheek crayfish. **Biological Invasions** 11:515–521
- 1.2 **Hirsch PE**, Fischer P (2008). Interactions between native juvenile burbot (*Lota lota* L.) and the invasive spiny- cheek crayfish (*Orconectes limosus* Rafinesque)

in a large European lake. **Canadian Journal of Fisheries and Aquatic Sciences** 65:2636-2643

- 1.1 **Hirsch PE, Nechwatal J, Fischer P (2008).** A previously undescribed set of *Saprolegnia* spp. in the invasive spiny-cheek crayfish (*Orconectes limosus*, Rafinesque). **Fundamental and Applied Limnology** 172:1-5

1.1. Covers

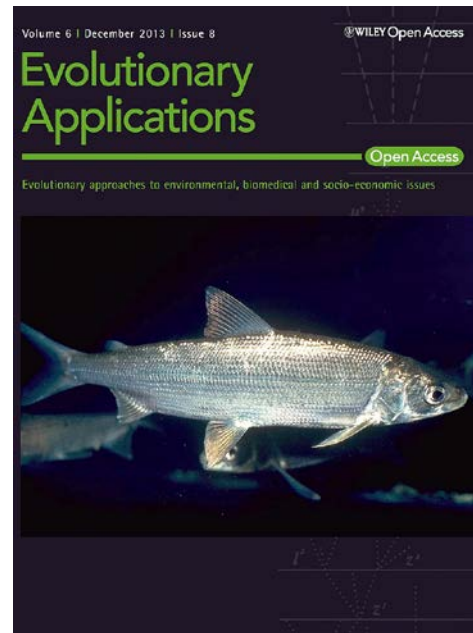
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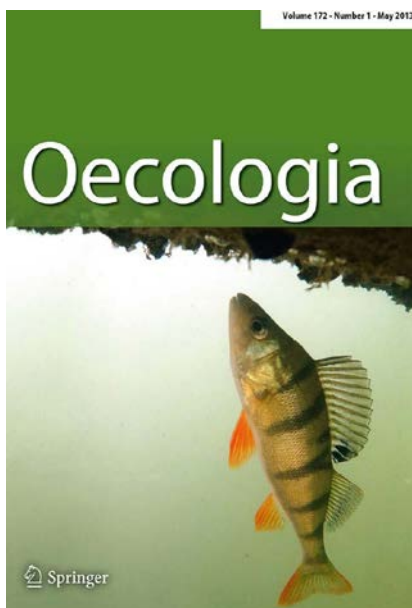


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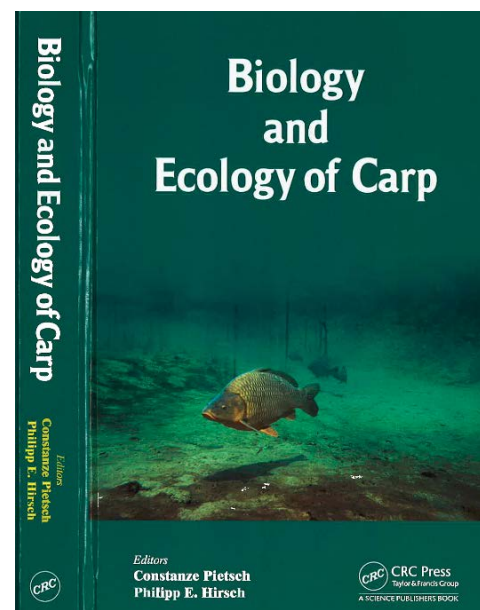
Hirsch et al. 2013, No 1.6



Hirsch et al. 2013, No 1.5



Hirsch et al. 2013, No 2.1



- 2.1 Pietsch C and **Hirsch PE** (editors) (2015) Biology and Ecology of Carp, 394 pages; Publisher: Taylor and Francis, CRC Press; 1 edition

3. Monographs

- 3.2 **Hirsch PE** (2011) Phenotypic processes triggered by biological invasions, 156 pp, Acta Universitatis Upsaliensis, PhD thesis, Uppsala University
- 3.1 **Hirsch PE** (2006) Interactions between the neozoa spiny-cheek crayfish and the native burbot in Lake Constance's littoral zone [in German], 120 pp, Master's thesis, University of Freiburg

4. Non-peer reviewed articles (selection)

- 4.2 Burkhardt-Holm P, Kalchauer I, **Hirsch PE** (2014). Schwarzmeergrundel und Co. - Fremde Fische in Flüssen und Seen. **Biologie Unserer Zeit** 44(6): 392-399
- 4.1 **Hirsch PE** (2014). Die Wiederentdeckung der Fischvielfalt. **UniNova** 123:40-44

5. Conference presentations (selection)

- 5.9 Combining ecological and economic benchmarks towards a sustainable development of hydropower (poster presentation), Societas Internationalis Limnologia, DGL, SIL Austria meeting Vienna, Austria, 28/09/2016
- 5.8 A tough egg to crack – invasive goby eggs on recreational boats as vectors and possible management strategies (oral presentation), Nordic Goby Meeting, Umeå, Sweden, 02/12/2015
- 5.7 Water-level fluctuations and habitat mismatch affect phenotypes of perc (*Perca fluviatilis*) (oral presentation) Ecology of Fish in Lakes and Reservoirs, Budweis, Czech Republic, 09/10/2014
- 5.6 Phenotypic divergence within a single whitefish species – a potential for re-divergence? (oral presentation). Applied Evolutionary Biology Symposium, EWAG Zürich, Switzerland, 11/05/2012
- 5.5 Morphological responses against fish and crayfish explain phenotypic divergence in invasive zebra mussels (oral presentation) Annual Oikos meeting, Tjärnö, Sweden, 02/08/2011
- 5.4 The history of invasive freshwater crayfish in Lake Constance and their impact on the ecosystem (oral presentation). International Symposium on the Role of Littoral Processes in Lake Ecology, Konstanz, Germany, 01/29/2010
- 5.3 Indirect trophic interactions with an invasive species affect phenotypic divergence in a top consumer (oral presentation) Conference on Evolutionary Ecology of Fishes: Diversification, Adaptation and Speciation, Berlin, Germany, 11/05/2009
- 5.2 Indirect trophic interactions with an invasive species affect phenotypic divergence in a top consumer (poster presentation) Summit of the European Evolutionary Biology Society Turin, Italy, 08/15/2009
- 5.1 Interactions between the neozoa spiny-cheek crayfish and the native burbot in a large lake's littoral zone. Annual summit of the German Limnological Society, Karlsruhe, Germany, 09/21/2006

6. Invited presentations

- 6.9 Inter-disciplinary management options for round goby invasions – integrating stakeholders and scientists’ priorities into a transdisciplinary management , Invited lecture and transdisciplinary workshop contribution, Linne University, Kalmar , Sweden 06/12/2016
- 6.8 Incorporating personality in modelling fish dispersal of in-stream barriers. Invitation for guest lecture from Christer Brönmark, Aquatic Ecology, University of Lund, Sweden, 06/01/2016
- 6.7 Invasive round goby in Switzerland – current threats and management approaches. Guest-lecture Swedish Board of Fisheries, Drottningholm, Sweden , 10/19/2015
- 6.6 Ecological effects of water-level-fluctuations in lakes and reservoirs – insights from mathematical models and mecososm experiments. Guest-lecture, Limnological institute, University of Constance, Germany, 02/07/2015
- 6.5 Water level fluctuations in reservoirs – assessing patterns with models and effects with experiments. Invited speaker SIAM Seminar Series, EAWAG. Dübendorf, Switzerland, 01/13/2015
- 6.4 Ecological effects of hydropower induced water level fluctuations. Invited speaker for NINA HydroBalance-Symposium NINA, Norwegian Institute for Nature Research, Trondheim, Norway, 05/11/2014
- 6.3 Communicating science with and for society. Invited moderation of half-day workshop. Fresh Blood for Freshwaters - SIL/Symposium of the Austrian Limnological Society, Lunz, Austria, 02/22/2014
- 6.2 Two predators and one invasive prey – interactions between zebra mussels, crayfish, and roach. Guest-lecture, Swedish Board of Fisheries, Drottningholm, Sweden, 01/18/2011
- 6.1 Phenotypic responses triggered by biological invasions. Guest lecture for student practical, Limnological institute, University of Konstanz, Germany, 05/19/2010

7. Public outreach (selection)

- 7.13 Public presentation: ‘Invasive Grundeln – Gefahr für die Fischerei?, Oral presentation at the ‘Fischereisymposium Friedrichshafen’ a symposium on recreational and professional inland fisheries, Friedrichshafen, Germany 10/2017
- 7.12 Public presentation: ‘Invasive Arten im Rhein – was können wir tun?, Oral presentation at exhibition ‘Fisch+Wild’, Offenburg, Germany 04/2017
Contribution to online newspaper article, In: ‘Alpenfischer’, 01/2017 link: <https://www.alpenfischer.com/wissenschaftsapero-schwarzmeergrundeln-der-schweiz/>
- 7.11 Public workshop organization and presentation: ‘Wissenschaftsapéro invasive Grundeln, Stand der Forschung und wie weiter?’, University of Basel, Basel, Switzerland 11/2016
- 7.10 Contribution to leaflet (flyer) public campaign of the Swiss Federal Office for the Environment to stop invasive gobies from spreading. Leaflet title: Stop!! Schwarzmeergrundeln gefährden die heimische Fischwelt 09/2016;
link: http://www.fischereiberatung.ch/news/aktuelles_ab_mai_16/merkblatt_invasive_neobiota_fischer.pdf
- 7.9 Contribution to leaflet, public campaign of the Swiss Federal Office for the Environment to stop aquatic invasive species from spreading: Stop!! Gebietsfremde Invasoren gefährden die heimische Artenvielfalt 08/2016.; link: https://www.so.ch/fileadmin/internet/vwd/vwd-awjf-jagd/pdf/merkblatt_invasive_neobiota_bootsbesitzer.pdf
- 7.8 Public workshop organisation and presentation: Wissenschaftsapéro Schwarzmeergrundeln in der Schweiz – Erkenntnisse und Fortschritte?, University of Basel, Basel, Switzerland, 11/2015
- 7.7 Contribution to newspaper article: Neozoen in Gewässern und ihr Management, In: Fauna Focus, in print only 07/2015

- Public workshop organisation and presentation: Handlungsempfehlungen zu den invasiven Grundeln in der Schweiz: Einschätzung und Akteuranalyse, University of Basel, Basel, Switzerland 11/2013
- 7.6 Contribution to brochure: 'Invasive gobies', published by the Bavarian Fisheries Society, 10/2013 link http://www.fischfauna-online.de/cms2.0/images/stories/05_Atlanten/Gobiidae/LFVBayern_2013_Grundeln.pdf
- 7.5 Contribution to newspaper article: Der unsichtbare Verdrängungskampf, In: Basellandschaftliche Zeitung, BZ, 07/2013, link: <http://bazonline.ch/basel/land/Der-unsichtbare-Verdraengungskampf/story/20774505>
- 7.4 Contribution to newspaper article: Schuppige Einwanderer gefährden die Rhein Fauna, In: Basellandschaftliche Zeitung, BZ, 05/2013 link: <http://www.bzbasel.ch/basel/basel-stadt/schuppige-einwanderer-gefaehrden-die-rhein-fauna-126574536>
- 7.3 Public workshop organisation and presentation: Schwarzmeergrundeln auf dem Weg in die Schweiz - was tun?, University of Basel, Basel, Switzerland, 11/2012
- 7.2 TV- interview on invasive gobies in Switzerland, 04/2012, link: <http://la1.rsi.ch/home/networks/la1/telegiornale?po=c8bcb616-f798-44d1-92d5-bda3d16aa046&date=12.10.2012#tabEdition>
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- Radio interview on Swedish crayfish at Radio P4 Upplands Radio, 02/2009, link: <http://sverigesradio.se/sida/artikel.aspx?programid=114&artikel=4627972>
- 7.1 Organization of excursions and field trips for the yearly 'JugendAktionsKongress' in Karlsruhe – a symposium for young people interested in environmental issues. 1999-2001