

PUBLIKAČNÍ SEZNAM 2009-2018 (List of publications)

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2018

- Miaomiao, X., Sterba, J., Shaliutina-Kolesova, A., Dzyuba, B., Lieskovska, J., Boryshpolets, S., Siddique M.A.M., Kholodny, V., Lebeda, I., **Linhart, O.**, 2018. Protective role of antifreeze proteins on sterlet (*Acipenser ruthenus*) spermatozoa during cryopreservation. *Fish Physiol Biochem.*, doi.org/10.1007/s10695-018-0538-5 (IF 2017 = 1.735).
- Miaomiao, X., Tuckova, V., Rodina, M., Kholodny, V., Dadras, H., Boryshpolets, S., Shaliutina-Kolesova, A., **Linhart, O.**, 2018. Effects of antifreeze proteins on cryopreserved sterlet (*Acipenser ruthenus*) sperm motility parameters variables and fertilization capacity. *Animal Reproduction Science*, doi.org/10.1016/j.anireprosci.2018.07.007 (IF 2017 = 1.647).
- Miaomiao, X., Shaliutina-Kolesova, A., Sterba, J., Konik, P., Boryshpolets, S., Rodina, M., Li, P., Nian, R., **Linhart, O.**, 2018. Impact of cryopreservation on sterlet, *Acipenser ruthenus* sperm motility and proteome. *Animal Reproduction Science* 192: 280–289, doi.org/10.1016/j.anireprosci.2018.03.025 (IF 2017 = 1.647)
- Shaliutina-Kolesova, A., Ruiu, N., Ashtiani, S., Rodina, M., Cosson, J., **Linhart, O.**, 2018. Oxidative Stress and the Antioxidant Enzyme Defence System in Seminal Plasma of Common carp (*Cyprinus carpio*) and Rainbow trout (*Oncorhynchus mykiss*) During the Spawning Season. *Czech Journal of Animal Science* 63(2): 78-84 (IF 2017 = 0.955).

2017

Lektorované odborné časopisy s IF ***Peer reviewed journals with IF***

- Boryshpolets, S., Sochorová, D., Rodina, M., **Linhart, O.**, Dzyuba, B., 2017. Cryopreservation of Carp (*Cyprinus carpio* L.) Sperm: Impact of Seeding and Freezing Rates on Post-Thaw Outputs. *Biopreservation and Biobanking* 15(3): 234-40, doi: 10.1089/bio.2016.0065 (IF 2016 = 1.698).
- Dadras, H., Dzyuba, B., Cosson, J., Siddique, M.A.M., **Linhart, O.**, 2017. Effect of water temperature on the physiology of fish spermatozoon function: a brief review. *Aquaculture Research* 48(3): 386-394, doi:10.1111/are.13049 (IF 2016 = 1.461).

- Dzyuba, B., Dzyuba, V., Boryshpolets, S., Fedorov, P., Bondarenko, O., Rodina, M., **Linhart, O.**, Shelton, W.L., Cosson, J., 2017. Sperm maturation in sturgeon (*Actinopterygii, Acipenseriformes*): A review. *Theriogenology* 97: 134-138 (IF 2016 = 1.986).
- Miaomiao, X., Siddique, M.A.M., Dzyuba, B., Cuevas-Urbe, R., Shaliutina-Kolešová, A., **Linhart, O.**, 2017. Progress and challenges of fish sperm vitrification: a mini review. *Theriogenology* 98: 16-22, doi.org/10.1016/j.theriogenology.2017.04.043 (IF 2016 = 1.986).
- Siddique, M.A.M., Butts, I.A.E., **Linhart, O.**, Macias, A.D., Fauvel, C., 2017. Fertilization strategies for Sea Bass *Dicentrarchus labrax* (Linnaeus, 1758): Effects of pre-incubation and duration of egg receptivity in seawater. *Aquaculture Research* 48: 386-394 DOI: 10.1111/are.12887) (IF 2016 = 1.461).
- Siddique, M.A.M., **Linhart, O.**, Krejszef, S., Żarski, D., Pitcher, T.E., Politis, S.N., Butts, I.A.E., 2017. Paternal identity impacts embryonic development for two species of freshwater fish. *General and Comparative Endocrinology* 245(SI): 30-35, [doi:10.1016/j.ygcen.2016.07.004](https://doi.org/10.1016/j.ygcen.2016.07.004) (IF 2016 = 2.585).

2016

Lektorované odborné časopisy s IF
Peer reviewed journals with IF

- Dzyuba, V., Cosson, J., Dzyuba, B., Yamaner, G., Rodina, M., **Linhart, O.**, 2016. The antioxidant system of seminal fluid during *in vitro* storage of sterlet *Acipenser ruthenus* sperm. *Fish Physiol Biochem.* 42(2): 563-568 (IF 2015 = 1.442).
- Dzyuba, V., Słowinska, M., Cosson, J., Ciereszko, A., Boryshpolets, S., Štěřba, J., Rodina, M., **Linhart, O.**, Dzyuba, B., 2016. Characterization of proteolytic and anti-proteolytic activity involvement in sterlet spermatozoon maturation. *Fish Physiol Biochem.* 42(6): 1755-1766, doi: 10.1007/s10695-016-0255-x (IF 2015 = 1.442).
- Horokhovatskyi, Y., Sampels, S., Cosson, J., **Linhart, O.**, Rodina, M., Fedorov, P., Blecha, M., Dzyuba, B., 2016. Lipid composition in common carp (*Cyprinus carpio*) sperm possessing different cryoresistance. *Cryobiology* 73: 282-285 (IF 2015 = 1.920).
- Linhart, O.**, Shelton, W.L., Tuckova, V., Rodina, M., Siddique, M.A.M., 2016. Effects of temperature on *in vitro* storage of sterlet sturgeon (*Acipenser ruthenus*) ova. *Reproduction in Domestic Animals* 51: 165-170, doi:10.1111/rda.12661 (IF 2014 = 1.210)
- Legendre, M., Alavi, S.M.H., Dzyuba, B., **Linhart, O.**, Prokopchuk, G., Cochet, C., Dugué, R., Cosson, J., 2016. Adaptations of semen characteristics and sperm motility to harsh salinity: Extreme situations encountered by the euryhaline tilapia *Sarotherodon melanocheilus heudelotii* (Dumeril, 1859). *Theriogenology* 86(5): 1251-1267, doi: 10.1016/j.theriogenology.2016.04.066. (IF 2015 = 1.838)
- Shaliutina-Kolešová, A., Kotas, P., Štěřba, J., Rodina, M., Cosson, J., Dzyuba, B., **Linhart, O.**, 2016. Protein Profile of Seminal Plasma and Functionality of Spermatozoa During the Reproductive Season in Common Carp *Cyprinus carpio* and Rainbow trout *Oncorhynchus mykiss*. *Molecular Reproduction and Development* 83(11): 968-982 doi: [10.1002/mrd.22737](https://doi.org/10.1002/mrd.22737) (IF 2015 = 2.141)
- Siddique, M.A.M., Niksirat, H., **Linhart, O.**, 2016. Comparative coelomic fluid composition of sterlet sturgeon *Acipenser ruthenus* Linnaeus, 1758, Siberian sturgeon *Acipenser baerii* Brandt, 1869, and Russian sturgeon *Acipenser gueldenstaedtii* Brandt & Ratzeburg, 1833. *Journal of Applied Ichthyology* 32: 820-824 (IF 2015 = 0.783).

- Siddique, M.A.M., Butts, I.E.E., Cosson, J., **Linhart, O.**, 2016. First report on facultative parthenogenetic activation of eggs in sterlet sturgeon, *Acipenser ruthenus*. *Animal Reproduction Science* 168: 110–115. (IF 2015 = 1.377)
- Siddique, M.A.M., **Linhart, O.**, Krejszeff, S., Žarski, D., Król, J., Butts, I.A.E., 2016. Duration of egg receptivity in different activating media for an externally fertilizing freshwater fish, *Ide Leuciscus idus*. *Theriogenology* 85 (5): 849-855 (IF 2015 = 1.838).
- Siddique, M.A.M., Psenicka, M., Cosson, J., Dzyuba, B., Rodina, M., Golpour, A., **Linhart, O.**, 2016. Egg stickiness in artificial reproduction of sturgeon: an overview. *Reviews in Aquaculture* 8 (1): 18-29, doi: 10.1111/raq.12070 (IF 2015 = 4.769).
- Siddique, M.A.M., **Linhart, O.**, Kujawa, R., Krejszeff, S., Žarski, Butts, I.A.E., 2016. Composition of seminal plasma and ovarian fluid in *Ide Leuciscus idus* and Northern pike *Esox lucius*. *Reproduction in Domestic Animals* 51: 960-969 (IF 2015 = 1.210)

2015

Lektorované odborné časopisy s IF *Peer reviewed journals with IF*

- Golshan, M., Hatef, A., Socha, M., Milla, S., Butts, I.A.E., Carvevali, O., Rodina, M., Sokolowska-Mikolajczyk, M., Fontaine, P., **Linhart, O.**, Alavi, S.M.H., 2015. Di-(2-ethylhexyl)-phthalate disrupts pituitary and testicular hormonal functions to reduce sperm quality in mature goldfish. *Aquatic Toxicology* 163: 16–26. (IF 2014 = 3.451)
- Linhart, O.**, Rodina, M., Kašpar V., 2015. Common carp (*Cyprinus carpio* Linnaeus, 1758) male fertilization potency with secure number of spermatozoa per ova. *J. Appl. Ichthyol.* 31: 169-173. (IF 2014 = 0.867)
- Linhart, O.**, Psenicka, M., 2015. Proceedings of the 2nd workshop on diversification in inland finfish aquaculture Foreword *J. Appl. Ichthyol.* 31: 1. (IF 2014 = 0.867)
- Shaliutina-Kolešová, A., Cosson, J., Lebeda, I., Gazo, I., Shaliutina O., Dzyuba, B., **Linhart, O.**, 2015. The influence of cryoprotectants on sturgeon (*Acipenser ruthenus*) sperm quality, DNA integrity, antioxidant responses, and resistance to oxidative stress. *Animal Reproduction Science* 159: 66–76. (IF 2014 = 1.511)
- Siddique, M.A.M., Butts, I.A.E., Psenicka, M., **Linhart, O.**, 2015. Effects of pre-incubation of eggs in fresh water and varying sperm concentration on fertilization rate in sterlet sturgeon, *Acipenser ruthenus*. *Animal Reproduction Science* 159: 141-147 (IF 2014 = 1.511)

Knihy či kapitoly, monografie, skripta

Books or chapters, monographs, textbooks

- Alavi, S.M.H., Ciereszko, A., Hatef, A., Křišťan, J., Dzyuba, B., Boryshpolets, S., Rodina, M., Cosson, J., **Linhart, O.**, 2015. Sperm morphology, physiology, motility and cryopreservation in Percidae. Sperm biology and cryopreservation. In: *Biology and Culture of Percid Fishes – Principles and Practices*, Kestemont, P., Dabrowski, K., Summerfelt R.C.(Eds.). Springer, Amsterdam, pp 163-191.

2014

Lektorované odborné časopisy s IF *Peer reviewed journals with IF*

- Alavi, S.M.H., Postlerova-Manaskova, P., Hatef, A., Pšenička, M., Pěkníková, J., Inaba, K., Ciereszko, A., **Linhart, O.**, 2014. Protease in sturgeon sperm and the effects of protease inhibitors on sperm motility and velocity. *Fish Physiology and Biochemistry* 40: 1393-1398. (IF 2013 = 1.676)
- Bondarenko, O., Dzyuba, B., Cosson, J., Rodina, M., **Linhart, O.**, 2014. Calcium ion supplementation increases brook trout *Salvelinus fontinalis* spermatozoa activation at the end of the spawning season. *Journal of Fish Biology*, doi:10.1111/jfb.12445, available online at wileyonlinelibrary.com (IF 2013 = 1.734)
- Bondarenko, O., Dzyuba, B., Cosson, J., Rodina, M., **Linhart, O.**, 2014. The role of Ca²⁺ and Na⁺ membrane transport in brook trout (*Salvelinus fontinalis*) spermatozoa motility. *Fish Physiol Biochem* 40: 1417-1421, DOI 10.1007/s10695-014-9936-5 (IF 2013 = 1.676)
- Dzyuba, B., Cosson, J., Boryshpolets, S., Bondarenko, O., Dzyuba, V., Prokopchuk, G., Gazo, I., Rodina, M., **Linhart, O.**, 2014. In vitro sperm maturation in sterlet, *Acipenser ruthenus*. *Reproductive Biology* 14: 160-163. (IF 2013 = 1.048)
- Dzyuba, B., Boryshpolets, S., Cosson, J., Dzyuba, V., Fedorov, P., Saito T., Psenicka, M., **Linhart, O.**, Rodina M., 2014. Motility and fertilization ability of sterlet *Acipenser ruthenus* testicular sperm after cryopreservation. *Cryobiology* 69: 339–341 <http://dx.doi.org/10.1016/j.cryobiol.2014.07.008> (IF 2013 = 1.643)
- Siddique, MAM., Cosson, J., Psenicka, **Linhart, O.**, 2014. A review of the structure of sturgeon egg membranes and of the associated terminology. *J. Appl. Ichthyology* 30: 1246-255 (IF 2013 = 0.903)
- Shaliutina-Kolešová, A., Gazo, I., Cosson, J., **Linhart, O.**, 2014. Protection of common carp (*Cyprinus carpio* L.) spermatozoa motility under oxidative stress by antioxidants and seminal plasma. *Fish Physiology and Biochemistry* 40: 1771–1781. (IF 2013 = 1.676)

Knihy či kapitoly, monografie, skripta
Books or chapters, monographs, textbooks

- Alavi, S.M.H., Ciereszko, A., Hatef, A., Křišťan, J., Dzyuba, B., Boryshpolets, S., Rodina, M., Cosson, J., **Linhart, O.**, 2014. Sperm morphology, physiology, motility and cryopreservation in Percidae. Sperm biology and cryopreservation. In: *Biology and Culture of Percid Fishes – Principles and Practices*, Kestemont, P., Dabrowski, K. (Eds). Springer, Amsterdam. (in press)

Uplatněné metodiky, patenty, poloprovozy, ověřené technologie
Application of methodologies, patents, pilot plants, verified technologies

- Dzyuba, B., Boryshpolets, S., Cosson, J., Rodina, M., Pšenička, M., **Linhart, O.**, Prášková, E., Dzyuba, V., Fedorov, P., 2014. Použití testikulárního spermatu jeseterovitých ryb. Edice Metodik, FROV JU, č. 151, 14 s. (certifikovaná metodika, v tisku)

Gela, D., Flajšhans, M., Kocour, M., Rodina, M., Kašpar, V., **Linhart, O.**, 2014. Plemeno kapra obecného - amurský lysec (vodňanská linie). Ministerstvo zemědělství, Odbor živočišných komodit, Praha. (plemeno)

2013

Lektorované odborné časopisy s IF
Peer reviewed journals with IF

Bondarenko, O., Dzyuba, B., Cosson, J., Yamanater, G., Prokopchuk, G., Pšenička, M., **Linhart, O.**, 2013. Volume changes during the motility period of fish spermatozoa: Interspecies differences. *Theriogenology* 79 (5): 872–881. (IF 2012 = 2.082)

Boryshpolets, S., Cosson, J., Bondarenko V., Gillies, Rodina, M., Dzyuba, B., **Linhart, O.**, 2013. Different swimming behaviors of sterlet (*Acipenser ruthenus*) spermatozoa close to solid and free surfaces. *Theriogenology* 79: 81–86. (IF 2012 = 2.082)

Dzyuba, B., Cosson, J., Yamener, G., Bondarenko, O., Rodina, M., Gela, D., Bondarenko, V., Shaliutina, A., **Linhart, O.**, 2013. Hypotonic treatment prior to freezing improves cryoresistance of common carp (*Cyprinus carpio* L.) spermatozoa. *Cryobiology* 66 (2): 192–194. (IF 2012 = 2.137)

Dzyuba, B., Cosson, J., Boryshpolets, S., Dzyuba, V., Rodina, M., Bondarenko, O., Shaliutina, A., **Linhart, O.**, 2013. Motility of sturgeon spermatozoa can sustain successive activations episodes. *Animal Reproduction Science* 138: 305– 313. (IF 2012 = 1.897)

Hatef, A., Alavi, S.M.H., Golshan, M., **Linhart, O.**, 2013. Toxicity of environmental contaminants to fish spermatozoa function in vitro—A review. *Aquatic Toxicology* 140–141: 134–144. (IF 2012 = 3.730)

Li, P., Hulák, M., Li, Z.H., Šulc, M., Pšenička, M., Rodina, M., Gela, D., **Linhart, O.**, 2013. Cryopreservation of common carp (*Cyprinus carpio* L.) sperm induces protein phosphorylation in tyrosine and threonine residues. *Theriogenology* 80: 84–89. (IF 2012 = 2.082)

Shaliutina-Kolešová, A., Gazo, I., Cosson, J., **Linhart, O.**, 2013. Comparison of oxidant and antioxidant status of seminal plasma and spermatozoa of several fish species. *Czech Journal of Animal Science* 58: 313-320. (IF 2012 = 0.922)

Shaliutina, A., Hulák, M., Gazo, I., Linhartová, P., **Linhart, O.**, 2013. Effect of short-term storage on quality parameters, DNA integrity, and oxidative stress in Russian (*Acipenser gueldenstaedtii*) and Siberian (*Acipenser baerii*) sturgeon sperm. *Animal Reproduction Science* 139: 127–135. (IF 2012 = 1.897)

Shaliutina, A., Hulak, M., Li, P., Sulc, M., Dzyuba, B., **Linhart, O.**, 2013. Comparison of Protein Fractions in Seminal Plasma from Multiple Sperm Collections in Sterlet (*Acipenser ruthenus*). *Reproduction in Domestic Animals* 48: 156–159. (IF 2012 = 1.392)

Knihy či kapitoly, monografie, skripta
Books or chapters, monographs, textbooks

Flajšhans, M., Kocour, M., Ráb, P., Hulák, M., Petr, J., Bohlen Šlechtová, V., Šlechta, V., Havelka, M., Kašpar, V., **Linhart, O.**, 2013. Genetika a šlechtění ryb. Druhé rozšířené a upravené vydání. Jihočeská univerzita v Českých Budějovicích, Fakulta rybnářství a ochrany vod, Vodňany, 305 s. (in Czech) ISBN 978-80-87437-48-3

2012

Lektorované odborné časopisy s IF
Peer reviewed journals with IF

Alavi, S.M.H., Hatef, A., Mylonas, C.C., Gela, D., Papadaki, M., Rodina, M., Kašpar, V., Podhorec, P., **Linhart, O.**, 2012. Sperm characteristics and androgens in *Acipenser ruthenus* after induction of spermiation by carp pituitary extractor GnRH α implants. *Fish Physiol Biochem* 38: 1655-1666. (IF 2011 = 1,528)

Alavi, S.M.H., Rodina, M., Gela, D., **Linhart, O.**, 2012. Sperm biology and control of reproduction in sturgeon: (I) testicular development, sperm maturation and seminal plasma characteristics. *Rev Fish Biol Fisheries* 22: 695-717. (IF 2011 = 2,500)

Alavi, S.M.H., Hatef, A., Pšenička, M., Kašpar, V., Boryshpolets, S., Dzyuba, B., Cosson, J., Bondarenko, V., Rodina, M., Gela, D., **Linhart, O.**, 2012. Sperm biology and control of reproduction in sturgeon: (II) Sperm morphology, acrosome reaction, motility and cryopreservation. *Reviews in Fish Biology and Fisheries* 22: 861–886. (IF 2011 = 2,500)

Dzyuba, B., Boryshpolets, S., Shaliutina, A., Rodina, M., Yamaner, G., Gela, D., Dzyuba, V., **Linhart, O.**, 2012. Spermatozoa motility, cryoresistance, and fertilizing ability in sterlet *Acipenser ruthenus* during sequential stripping. *Aquaculture* 356-357: 272-278. (IF 2011 = 2,044)

Dzyuba, B., Cosson, J., Yamaner, G., Bondarenko, O., Rodina, M., Gela, D., Bondarenko, V., Shaliutina, A., **Linhart, O.**, 2012. Hypotonic treatment prior to freezing improves cryoresistance of common carp (*Cyprinus carpio* L.) spermatozoa. *Cryobiology*. Dec 24. pii: S0011-2240(12)00273-8. doi: 10.1016/j.cryobiol.2012.12.003. (IF 2011 = 2,062)

Hatef, A., Alavi, S.M.H., Abdulfatah, A., Fontaine, P., Rodina, M., **Linhart, O.**, 2012. Adverse effects of Bisphenol A on reproductive physiology in male goldfish at environmentally relevant concentrations. *Ecotoxicology and Environmental Safety* 76: 56-62. (IF 2011 = 2,294)

Hatef, A., Zare, A., Alavi, S.M.H., Habibi, H.R., **Linhart, O.**, 2012. Modulations in androgen and estrogen mediating genes and testicular response in male goldfish exposed to bisphenol A. *Environmental Toxicology and Chemistry*, 31: 2069-2077. (IF 2011 = 2,809)

- Hatef, A., Alavi, S.M.H., Milla, S., Křišťan, J., Golshan, M., Fontaine, P., **Linhart, O.**, 2012. Anti-androgen vinclozolin impairs sperm quality and steroidogenesis in goldfish. *Aquatic Toxicology* 122–123: 181–187. (IF 2011= 3,761)
- Hatef, A., Alavi, S.M.H., Rodina, M., **Linhart, O.**, 2012. Morphology and fine structure of the Russian sturgeon, *Acipenser gueldenstaedtii* (Acipenseridae, Chondrostei). *Journal of Applied Ichthyology* 28: 978–983. (IF 2011 = 0,869)
- Li, P., Li, Z.H., Hulak, M., Rodina, M., **Linhart, O.**, 2012. Regulation of spermatozoa motility in response to cations in Russian sturgeon *Acipenser gueldenstaedti*. *Theriogenology* 78: 102–109. (IF 2011 = 1,963)
- Shaliutina, A., Dzyuba, B., Hulak, M., Boryshpolets, S., Li, P., **Linhart, O.**, 2012. Evaluation of spermiation indices with multiple sperm collections in endangered sterlet (*Acipenser ruthenus*). *Reprod Dom Anim* 47: 479–484. (IF 2011 = 1,606)
- Shaliutina, A., Hulak, M., Li, P., Sulc, M., Dzyuba, B., **Linhart, O.**, 2012. Comparison of protein fractions in seminal plasma from multiple sperm collections in sterlet (*Acipenser ruthenus*). *Reproduction in Domestic Animals* doi: 10.1111/j.1439-0531.2012.02118.x. (IF 2011 = 1,606)
- Shaliutina, A., Hulak, M., Li, P., Dzyuba, B., **Linhart, O.**, 2012. Spermatozoa motility and variation in seminal plasma proteome of Eurasian perch (*Perca fluviatilis*) during the reproductive season. *Molecular Reproduction and Development Journal*, DOI: 10.1002/mrd.22126. 79 (12): 879–887. (IF 2011 = 2,532)

Knihy či kapitoly, monografie, skripta
Books or chapters, monographs, textbooks

- Alavi, S.M.H., Psenicka, M., Li, P., Hatef, A., Hulak, M., Rodina, M., Gela, D., **Linhart, O.**, 2012. Sperm morphology and biology in sturgeon. In: *Sperm Cell Research in the 21st Century: Historical Discoveries to New Horizons*, Morisawa, M. (Ed.). Adthree Publishing Co., Ltd., Tokyo, Japan, pp. 100–112.

Uplatněné metodiky, patenty, poloprovozy, ověřené technologie
Application of methodologies, patents, pilot plants verified technologies

- Linhart, O.**, Rodina, M., Dzyuba, B., Boryspolets, S., 2012. Metodika zmrazování spermatu lína obecného. 2012. Edice Metodik, FROV JU, Vodňany, č. 134, 26 s.
- Rodina, M., Dzyuba, B., Boryspolets, S., **Linhart, O.**, 2012. Opakovaný odběr spermatu jesetera malého a jeho využití při řízené reprodukci. Edice Metodik, FROV JU, Vodňany, č. 128, 12 s.

2011

Lektorované odborné časopisy s IF
Peer reviewed journals with IF

- Alavi, S.M.H., Gela, D., Rodina, M., **Linhart, O.**, 2011. Roles of osmolality, calcium – potassium antagonist and calcium in activation and flagellar beating pattern of sturgeon sperm. *Comparative Biochemistry and Physiology - Part A* 160: 166–174. (IF 2010 = 2,134)
- Boryshpolets, S., Dzyuba, B., Rodina, M., Alavi, S.M.H., Gela, D., **Linhart, O.**, 2011. Cryopreservation of sterlet (*Acipenser ruthenus*) spermatozoa using different cryoprotectants. *Journal of Applied Ichthyology* 27 (5): 1147-1149. (IF 2010 = 0,945)
- Hatef, A., Alavi, S.M.H., Noveiri, S.B., Poorbagher, H., Alipour, A.R., Pourkazemi, M., **Linhart, O.**, 2011. Morphology and fine structure of *Acipenser persicus* (*Acipenseridae*, *Chondrostei*) spermatozoon: Inter-species comparison in *Acipenseriformes*. *Animal Reproduction Science* 123: 81-88. (IF 2010 = 1,721)
- Hatef, A., Alavi, S.M.H., Butts, IAE., Policar, T., **Linhart, O.**, 2011. The mechanisms of action of mercury on sperm morphology, ATP content and motility in *Perca fluviatilis* (Percidae; Teleostei). *Environmental Toxicology and Chemistry* 30: 905-914. (IF 2010 = 3,026)
- Lajbner, Z., **Linhart, O.**, Kotlík, P., 2011. Human-aided dispersal has altered but not erased the phylogeography of the tench. *Evolutionary Applications*. 4 (4): 545-561. (IF 2010 = 5,145)
- Li, P., Rodina, M., Hulak, M., Gela, D., Psenicka, M., Li, Z.H., **Linhart, O.**, 2011. Physico-chemical properties and protein profiles of sperm from three freshwater chondrosteian species: a comparative study among Siberian sturgeon (*Acipenser baerii*), sterlet (*Acipenser ruthenus*) and paddlefish (*Polyodon spathula*). *Journal of Applied Ichthyology* 27(2): 673–677. (IF 2010 = 0,945)
- Li, P., Rodina, M., Hulak, M., Li, Z.H., **Linhart, O.**, 2011. Spermatozoa concentration, seminal plasma composition and their physiological relationship in the endangered stellate sturgeon (*Acipenser stellatus*) and Russian sturgeon (*Acipenser gueldenstaedtii*). *Reproduction in Domestic Animals* 46: 247-252. (IF 2010 = 1,606)
- Psenicka, M., Kaspar, V., Alavi, S.M.H., Rodina, M., Gela, D., Li, P., Boryshpolets, S., Cosson, J., **Linhart, O.**, Ciereszko, A., 2011. Potential role of the acrosome of sturgeon spermatozoa in the fertilization process. *Journal of Applied Ichthyology* 27(2): 678–682. (IF 2010 = 0,945)

Uplatněné metodiky, patenty, poloprovozy, ověřené technologie
Application of methodologies, patents, pilot plants verified technologies

- Kocour M., Flajšhans M., Kašpar V., Gela D., Hulák M., Rodina M., **Linhart O.**, 2011. Metodické postupy při aplikaci hybridizačních programů u ryb v podmínkách českého rybářství. Edice Metodik, FROV JU Vodňany, č. 109, 53 s.
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