

PUBLICATIONS

Bibliometric indicators

Articles in ISI-ranked journals: 44

Citations: 1438 (Google Scholar)

H-index: 21 (Google Scholar)

- Grapputo A**, Thrimawithana AH, Steinwender B, Newcomb RD. (2018) Differential gene expression in the evolution of sex pheromone communication in New Zealand's endemic leafroller moths of the genera *Ctenopseustis* and *Planotortrix*. *BMC genomics* 19 (1), 94.
- Schoville SD, Chen YH, Andersson MN, Benoit JB, Bhandari A, Bowsher JH, Brevik K, Cappelle K, Chen MM, Childers AK, Childers C, Christiaens O, Clements J, Didion EM, Elpidina EN, Engsontia P, Friedrich M, Garcia-Robles I, Gibbs RA, Goswami C, **Grapputo A**, Gruden K, Grynberg M, Henrissat B, Jennings EC, Jones JW, Kalsi M, Khan SA, Kumar A, Li F, Lombard V, Ma X, Martynov A, Miller NJ, Mitchell RF, Munoz-Torres M, Muszewska A, Oppert B, Palli SR, Panfilio KA, Pauchet Y, Perkin LC, Petek M, Poelchau MF, Record E, Rinehart JP, Robertson HM, Rosendale AJ, Ruiz-Arroyo VM, Smagghe G, Szendrei Z, Thomas GWC, Torson AS, Vargas Jentzsch IM, Weirauch MT, Yates AD, Yocum GD, Yoon J, Richards S. (2018). A model species for agricultural pest genomics: the genome of the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae). *Scientific reports* 8 (1), 1931.
- Devigili A, Di Nisio A, **Grapputo A**, Pilastro A (2016). Directional postcopulatory sexual selection is associated with female sperm storage in Trinidadian guppies. *Evolution*, in press. doi:10.1111/evo.12989.
- Genomic Resources Development Consortium, Almeida-Val VMF., Boscari E, Coelho MM, Congiu L, **Grapputo A**, Grosso AR, Jesus TF, Luebert F, Mansion G, Muller LAH, Töre D, Vidotto M, Zane L (2015). Genomic Resources Notes, *Molecular Ecology Resources*, 15: 1256–1257. doi: 10.1111/1755-0998.12439
- Kumar A, Congiu L, Lindström L, Piironen S, Vidotto M, **Grapputo A** (2014). Sequencing, De Novo Assembly and Annotation of the Colorado Potato Beetle, *Leptinotarsa decemlineata*, Transcriptome. *PLoS ONE*, 9 (1), e86012.
- Chevasco V, Elzinga JA, Mappes J, **Grapputo A** (2014). Evaluation of criteria for species delimitation of bagworm moths (Lepidoptera: Psychidae). *European Journal of Entomology*, 111 (1).
- Chevasco V, Elzinga JA, Galarza JA, Mappes J, **Grapputo A** (2013). Investigating the origin of parthenogenesis and ploidy level in *Dahlica fennicella* (Lepidoptera: Psychidae). *Annales Zoologici Fennici*, 50 (3), 125-145.
- Vidotto M, **Grapputo A**, Boscari E, Barbisan F, Coppe A, Grandi G, Kumar A, Congiu L (2013). Transcriptome sequencing and de novo annotation of the critically endangered Adriatic sturgeon. *BMC genomics*, 14 (1), 407.
- Piironen S, Lindström L, Lyytinen A, Mappes J, Chen YH, Izzo V, **Grapputo A** (2012). Pre-invasion history and demography shape the genetic variation in the insecticide resistance-related

acetylcholinesterase 2 gene in the invasive Colorado potato beetle. *BMC Evolutionary Biology*, 13, 13.

- Elzinga JA, Chevasco V, Mappes J, **Grapputo A** (2012). Low parasitism rates in parthenogenetic bagworm moths do not support the parasitoid hypothesis for sex. *Journal of Evolutionary Biology*, 25, 2547-2558.
- Kumar A, Bhandari A, Sinha R, Sardar P, Sushma M, Goyal P, Goswami C, **Grapputo A** (2012). Molecular phylogeny of OVOL genes illustrates a conserved C2H2 zinc finger domain coupled by hypervariable unstructured regions. *PLoS ONE*, 7, doi: 10.1371/journal.pone.0039399.
- Elzinga JA, Chevasco V, **Grapputo A**, Mappes J (2011). Influence of male mating history on female reproductive success among monandrous Naryciinae (Lepidoptera: Psychidae). *Ecological Entomology*, 36, 170-180.
- Elzinga JA, Zwakhals K, Mappes J, **Grapputo A** (2011). The parasitoid species complex associated with sexual and parthenogenetic Naryciinae (Lepidoptera: Psychidae): integrating ecological and molecular analyses. *European Journal of Entomology*, 108, 635-650.
- Kumar A, Bhandari A, Sinha R, Goyal P, **Grapputo A** (2011). Spliceosomal intron insertions in genome compacted ray-finned fishes as evident from phylogeny of MC receptors, also supported by a few other GPCRs. *PLoS ONE*, 6, e22046.
- Mills SC, **Grapputo A**, Jokinen I, Koskela E, Mappes T, Poikonen T (2010). Fitness trade-offs mediated by immunosuppression costs in a small mammal. *Evolution*, 64, 166-179.
- Lyytinen A, Boman S, **Grapputo A**, Lindstrom L, Mappes J (2009). Cold tolerance during larval development: effects on the thermal distribution limits of *Leptinotarsa decemlineata*. *Entomologia Experimentalis et Applicata*, 133, 92-99.
- Mills SC, **Grapputo A**, Jokinen I, Koskela E, Mappes T, Oksanen TA, Poikonen T (2009). Testosterone-mediated effects on fitness-related phenotypic traits and fitness. *The American Naturalist*, 173, 475-487.
- Mappes T, **Grapputo A**, Hakkarainen H, Huhta E, Koskela E, Saunanen R, Suorsa P (2008). Island selection on mammalian life-histories: genetic differentiation in offspring size. *BMC Evolutionary Biology*, 8, 296.
- Tynkkynen K, **Grapputo A**, Kotiaho JS, Rantala MJ, Väänänen S, Suhonen J (2008). Hybridization in Calopteryx damselflies: the role of males. *Animal Behaviour*, 75, 1431-1439.
- Rikalainen K, **Grapputo A**, Knott E, Koskela E, Mappes T (2008). A large panel of novel microsatellite markers for the bank vole (*Myodes glareolus*). *Molecular Ecology Resources*, 8, 1164-1168.
- Boman S, **Grapputo A**, Lindström L, Lyytinen A, Mappes J (2008). Quantitative genetic approach for assessing invasiveness: geographic and genetic variation in life-history traits. *Biological Invasions*, 10, 1135-1145.
- Mills SC, **Grapputo A**, Koskela E, Mappes T (2007). Quantitative measure of sexual selection with respect to the operational sex ratio: a comparison of selection indices. *Proceedings - Royal Society. Biological Sciences*, 274, 143-150.
- Loehr J, Worley K, **Grapputo A**, Carey J, Veitch A, Coltman DW (2006). Evidence for cryptic glacial refugia from North American mountain sheep mitochondrial DNA. *Journal of Evolutionary Biology*, 19, 419-430.
- Grapputo A** (2006). Development and characterization of microsatellite markers in the Colorado

- potato beetle, *Leptinotarsa decemlineata*. *Molecular Ecology Notes*, 6, 1177-1179.
- Grapputo A**, Barbisan F, De Girolamo M, Pilastro A, Zane L (2006). Development and characterization of 11 microsatellite markers in the rock sparrow, *Petronia petronia*. *Molecular Ecology Notes*, 6, 1070-1072.
- Grapputo A**, Bisazza A, Pilastro A (2006). Invasion success despite reduction of genetic diversity in the European populations of eastern mosquitofish (*Gambusia holbrooki*). *Italian Journal of Zoology*, 73, 1-7.
- Grapputo A**, Boman S, Lindström L, Lyytinen A, Mappes J (2005). The voyage of an invasive species across continents: genetic diversity of North American and European Colorado potato beetle populations. *Molecular Ecology*, 14, 4207-4219.
- Grapputo A**, Kumpulainen T, Mappes J (2005). Genetic diversity in populations of asexual and sexual bag worm moths (Lepidoptera: Psychidae). *BMC Ecology*, 5, 5.
- Grapputo A**, Kumpulainen T, Mappes J (2005). Phylogeny and evolution of parthenogenesis in Finnish bagworm moth species (Lepidoptera: Phychidae) based on mtDNA-markers. *Annales Zoologici Fennici*, 42, 141-160.
- De Girolamo M, **Grapputo A**, Zane L, Santos RS & Pallavicini A (2005). Isolation of seven polymorphic microsatellites in *Ophioblennius atlanticus atlanticus* (Perciformes, Blenniidae). *Molecular Ecology Notes*, 5, 334-336.
- Niskanen EA, Hytönen VP, **Grapputo A**, Nordlund HR, Kulomaa MS, Laitinen OH (2005). Chicken genome analysis reveals novel genes encoding biotin-binding proteins related to avidin family. *BMC Genomics*, 6, 41.
- Päivinen J, **Grapputo A**, Kaitala V, Komonen A, Kotiaho JS, Saarinen K, Wahlberg N (2005). Negative density – distribution relationship in butterflies. *BMC Biology*, 3, 5.
- Kumpulainen T, **Grapputo A**, Mappes J (2004). Parasites and sexual reproduction in psychid moths. *Evolution*, 58, 1511-1520.
- Komonen A, **Grapputo A**, Kaitala V, Kotiaho JS, Päivinen J (2004). The role of niche breadth, resource availability and range position on the life history of butterflies. *Oikos*, 105, 41-54.
- Hytönen VP, Laitinen OH, **Grapputo A**, Kettunen A, Savolainen J, Kalkkinen N, Marttila AT, Nordlund HR, Paganelli G, Kulomaa MS (2003). Characterization of poultry egg-white avidins and their potential as tools in pretargeting cancer treatment. *Biochemical Journal*, 372, 219-225.
- Ahlroth MK, **Grapputo A**, Laitinen OH, Kulomaa MS (2001). Sequence features and evolutionary mechanisms in the chicken avidin gene family. *Biochemical and Biophysical Research Communications*, 285, 734-741.
- Grapputo A**, Pilastro A, Baker AJ, Marin G (2001). Molecular evidence for phylogenetic relationships among buntings and American sparrows (Emberizidae). *Journal of Avian Biology*, 32, 95-101.
- Grapputo A**, Pilastro A, Marin G (1998). Genetic variation and bill size dimorphism in a passerine bird, the reed bunting *Emberiza schoeniclus*. *Molecular Ecology*, 7, 1173-1182.
- Cardazzo B, Minuzzo S, Sartori G, **Grapputo A**, Carignani G (1998). Evolution of mitochondrial DNA in yeast: gene order and structural organisation of the mitochondrial genome of *Saccharomyces uvarum*. *Current Genetics*, 33, 52-59.
- Bisazza A, **Grapputo A**, Nigro L (1997). Evolution of reproductive strategies and male sexual

ornaments in Poeciliid fishes as inferred by mitochondrial 16S rRNA gene phylogeny. *Ethology, Ecology and Evolution*, 9, 55-67.

Matessi G, **Grapputo A**, Pilastro A, Marin G (1997). Song variation in relation to subspecies group in the reed bunting. *Avocetta* 21, 81.

Simon C, Nigro L, Sullivan J, Holsinger K, Martin A, **Grapputo A**, Franke A, McIntosh C (1996). Large differences in substitutional pattern and evolutionary rate of 12S ribosomal RNA genes. *Molecular Biology and Evolution*, 13, 923-932.

Grapputo A, Pilastro A, Marin G (1995). Studio della variabilità intraspecifica in Migliarino di palude *Emberiza schoeniclus*. *Avocetta* 19, 51.

Nigro L, **Grapputo A** (1993). Evolution of the mitochondrial ribosomal RNA in the Oriental species subgroups of *Drosophila*. *Biochemical Systematics and Ecology*, 21, 79-83.