**Gaylord Desurmont Publications**

|  |
| --- |
| Bon, M., Desurmont, G., Guermache, F., Rector, B.G., Smith, L. 2023. Submission of barcode sequences of the European moth, Gymnancyla canella Denis and Schiffermüller (Pyralidae), a candidate biocontrol agent of the invasive Russian thistles, Salsola spp. (Chenopodiaceae) in California. National Center for Biotechnology Information (NCBI). OQ801570. |
| Desurmont, G., Blanchet, A. 2023. Florivory is an alternative but suboptimal diet for an invasive leaf-feeding beetle. Ecological Entomology. 1-4. https://doi.org/10.1111/een.13237. |
| Grof-Tisza, P., Morelon, S., Desurmont, G., Benrey, B. 2022. Population-specific plant-plant signaling in wild lima beans. Plants. 11(18):2320. https://doi.org/10.3390/plants11182320. |
| Desurmont, G.A., Tannieres, M., Roche, M., Blanchet, A., Manoukis, N. 2022. Identifying an optimal screen mesh to enable augmentorium-based enhanced biological control of the olive fruit fly Bactrocera oleae (Diptera: Tephritidae) and the Mediterranean fruit fly Ceratitis capitata (Diptera: Tephritida. Journal of Insect Science. 22(3):1-7. Article 11. https://doi.org/10.1093/jisesa/ieac027. |
| Cuny, M. A. C., la Forgia, D., Desurmont, G. A., Bustos-Segura, C., Glauser, G., & Benrey, B. (2022). Top-down cascading effects of seed-feeding beetles and their parasitoids on plants and leaf herbivores. Functional Ecology, 00, 1–13. https://doi.org/10.1111/1365-2435.14049 |
| Hanache, P.; Thomann, T.; Caron, V.; Desurmont, G.A. Can Estivation Preferences Be Used to Develop Novel Management Tools against Invasive Mediterranean Snails? Insects 2021, 12, 1118. https://doi.org/10.3390/ insects12121118 |
| Wang, X., Ramualde, N., Desurmont, G., Smith, L., Gundersen, D.E., Grodowitz, M.J. 2021. Reproductive traits of the egg parasitoid Aprostocetus fukutai a promising biological control agent for invasive citrus longhorned beetle Anoplophora chinensis. Biocontrol. https://doi.org/10.1007/s10526-021-10118-2 |
| Mann, L., Laplanche, D., Degen, T., Turlings, T.C., Desurmont, G.A. 2021. Plant volatile emissions induced by insect and gastropod herbivory: a comparative study. Scientific Reports. 11, 23698. https://doi.org/10.1038/s41598-021-02801-2. |
| Bon, M., Desurmont, G., Kerdellant, E., Guermache, F., Sforza, R. 2021. Submission of mitochondrial sequences of one prospective biological control agent of french broom, the psyllid Arytinnis hakani. Genbank. OL631144. |
| Desurmont, G., Kerdellant, E., Lambin, N. 2020. Between a rock and an egg-crushing place: selection pressure from natural enemies and plant defenses on eggs of the viburnum leaf beetle in its native range. Ecological Entomology. 2021. https://doi.org/10.1111/een.12936. |
| Desurmont, G.A., Von Arx, M., Turlings, T.C., Shiestl, F.P. 2020. Floral odors can interfere with the foraging behavior of parasitoids searching for hosts. Frontiers in Ecology and Evolution. 8:148. https://doi.org/10.3389/fevo.2020.00148. |
| Trunz, V., Lucchetti, M., Benon, D., Dorchin, A., Desurmont, G., Kast, C., Rasmann, S., Glauser, G., Praz, C. 2020. To bee or not to bee – the “raison d’être” of toxic secondary compounds in the pollen of Boraginaceae. Functional Ecology. 34(7):1345-1357. https://doi.org/10.1111/1365-2435.13581. |
| Escobar, Y., Guermache, F., Bon, M., Kerdellant, E., Petoux, L., Desurmont, G. 2020. Biology and ecology of Cryptonevra nigritarsis, a potential biological control agent against the giant reed Arundo donax. Biological Control. 147:104287. https://doi.org/10.1016/j.biocontrol.2020.104287. |
| Desurmont, G., Bon, M., Kerdellant, E., Guermache, F., Pfingstl, T., Tixier, M. 2020. An integrative approach combining molecular analyses and experiments to investigate predation of insect eggs by a mite. Ecosphere. 11(3). https://doi.org/10.1002/ecs2.3065. |
| Desurmont, G.A., Morelon, S.P., Benrey, B. 2020. First insights into the chemical ecology of an invasive pest: Olfactory preferences of the viburnum leaf beetle Pyrrhalta viburni. Environmental Entomology. 49(2):364-369. https://doi.org/10.1093/ee/nvaa007. |
| Gols, R., Desurmont, G.A., Harvey, J.A. 2019. Variation in performance and resistance to parasitism of Plutella xylostella populations. Insects. 10:293. https://doi.org/10.3390%2Finsects10090293. |
| Hinz, H., Bon, M., Bourdot, G., Cristofaro, M., Desurmont, G., Kurose, D., Muller-Scharer, H., Rafter, M., Schaffner, U., Seier, M., Sforza, R.F., Smith, L., Stutz, S., Thomas, S., Weyl, P., Winston, R. 2019. Proceedings of the XV International Symposium on Biological Control of Weeds. XV International Symposium on Biological Control of Weeds, Engelberg, Switzerland. 27-31 August 2018, I-XIX, 331 pp.. |
| Cuny, M.A., La Forgia, D., Desurmont, G., Glauser, G., Benrey, B. 2019. Role of cyanogenic glycosides in the seeds of wild Lima bean, Phaseolus lunatus: Defense, nutrition or both?. Planta. 250, 1281-1292. https://doi.org/10.1007/s00425-019-03221-3. |
| Desurmont, G.A., Kerdellant, E., Pfingstl, T., Kreiter, S., Auger, P., Tixier, M. 2019. Mites associated with egg masses of the viburnum leaf beetle Pyrrhalta viburni (Paykull) on Viburnum tinus L.. Acarologia. 59(1):57-72. https://doi.org/10.24349/acarologia/20194311. |
| Jaffuel, G., Puza, V., Hug, A., Meuli, R., Nermut, J., Turlings, T., Desurmont, G., Campos-Herrera, R. 2018. Molecular detection and quantification of slug parasitic nematodes from the soil and their hosts. Journal of Invertebrate Pathology. 160:18-25. https://doi.org/10.1016/j.jip.2018.11.005. |
| Kellenberger, R., Desurmont, G., Schlueter, P., Shiestl, F. 2018. Trans-generational inheritance of herbivory-induced phenotypic changes in Brassica rapa. Scientific Reports. 8(1), article 3536. 10.1038/s41598-018-21880-2. |
| Desurmont, G.A. A.Guiguet, and T.C.J. Turlings. Invasive insect herbivores as disrupters of chemically-mediated tritrophic interactions: effects of herbivore density and parasitoid learning. Biological invasions. DOI:10.1007/s10530-017-1526-x. |
| Carrasco, D., Desurmont, G., Laplanche, D., Proffit, M., Gols, R., Becher, P.G., Larsson, M.C., Turlings, T.C., Anderson, P. 2017. The multitrophic consequences of concurrent insect invasions: a range-expanding herbivore and its associated parasitoid affect native tritrophic interactions. Global Change Biology. DOI: 10.1111/gcb.13836. |
| Desurmont, G., Kholer, A., Maag, D., Laplanche, D., Xu, H., Baumann, J., Demaire, C., Devenoges, D., Glavan, M., Mann, L., Turlings, T.C. 2017. The spitting image of plant defenses: effects of plant secondary chemistry on the efficiency of caterpillar regurgitant as an anti-predator defense. Journal of Chemical Ecology. DOI 10.1002/ece3.3174. |
| Danner, H., Desurmont, G.A., Cristescu, S.M., Van Dam, N.M. 2017. Herbivore-induced plant volatiles accurately predict history of coexistence, diet breadth, and feeding mode of herbivores. New Phytologist. 220(3):726-738. DOI: 10.1111/nph.14428. |
| Xu, H., Desurmont, G., Degen, T., Laplanche, D., Henryk, L., Turlings, T.C. 2016. Combined use of herbivore-induced plant volatiles and sex pheromones for mate location in braconid parasitoids. Plant Cell and Environment. Vol 39, Pages 1920-1927. DOI: 10.1111/pce.12818. |
| Desurmont, G., Xu, H., Turlings, T.C. 2016. Powdery mildew suppresses herbivore-induced plant volatiles and interferes with parasitoid attraction in Brassica rapa. Plant Cell and Environment. Vol 39, Pages 1920-1927. DOI: 10.1111/pce.12752. |
| Desurmont, G., Zemanova, M., Turlings, T.C. 2016. THE GASTROPOD MENACE: SLUGS ON BRASSICA PLANTS AFFECT CATERPILLAR SURVIVAL THROUGH CONSUMPTION AND INTERFERENCE WITH PARASITOID ATTRACTION. Journal of Chemical Ecology. Vol 42, Issue 3, Pages 183-192. |