

10. PUBLICACIONES

10.1. JOURNAL ARTICLES

10.1.1. Articles in journals with Impact Factor by the Journal Citation Reports (JCR Thomson Reuters)

1. Roubik, D.W. & M. Aluja. 1983. Flight ranges of *Melipona* and *Trigona* in a tropical forest. **Journal of the Kansas Entomological Society** 56: 217-222. IF = 0.627/(2013).
2. Aluja, M., M. Cabrera, E. Ríos, J. Guillén, H. Celedonio, J. Hendrichs & P. Liedo. 1987. A survey of the economically important fruit flies (Diptera: Tephritidae) present in Chiapas and a few other fruit growing regions in Mexico. **Florida Entomologist** 70: 320-329. IF = 1.271/(2013).
3. Aluja, M., J. Guillén, G. de la Rosa, M. Cabrera, H. Celedonio, P. Liedo & J. Hendrichs. 1987. Natural host plant survey of the economically important fruit flies (Diptera: Tephritidae) of Chiapas, Mexico. **Florida Entomologist** 70: 329-338. IF = 1.271/(2013).
4. Celedonio-Hurtado, H., P. Liedo, M. Aluja, J. Guillén, D. Berrigan & J. Carey. 1988. Demography of *Anastrepha ludens*, *A. obliqua* and *A. serpentina* (Diptera: Tephritidae) in Mexico. **Florida Entomologist** 71: 111-120. IF = 1.271/(2013).
5. Villeda, M. P., J. Hendrichs, M. Aluja & J. Reyes. 1988. Mediterranean fruit fly *Ceratitis capitata*: behavior in nature in relation to different Jackson traps. **Florida Entomologist** 71: 154-162. IF = 1.271/(2013).
6. Aluja, M., R. J. Prokopy, J. Elkinton & F. Laurence. 1989. Novel approach for tracking and quantifying the movement patterns of insects in three dimensions under seminatural conditions. **Environmental Entomology (Forum)** 18: 1-7. IF = 1.606/(2013).
7. Aluja, M., J. Guillén, P. Liedo, M. Cabrera, E. Ríos, G. de la Rosa, H. Celedonio & D. Mota. 1990. Fruit infesting tephritids (Dipt.: Tephritidae) and associated parasitoids in Chiapas, Mexico. **Entomophaga (actualmente BioControl)** 35: 39-48. IF = 2.102/(2013).
8. Papaj, D. R., B. D. Roitberg, S. B. Opp, M. Aluja, R. J. Prokopy, & T. T. Y. Wong. 1990. Effect of marking pheromone on clutch size in the Mediterranean fruit fly. **Physiological Entomology** 15: 463-468. IF = 1.460/(2013).
9. Aluja, M. & R. Prokopy. 1992. Host search behavior by *Rhagoletis pomonella* flies: inter-tree movement patterns in response to wind-borne fruit volatiles under field conditions. **Physiological Entomology** 17: 1-8. IF = 1.460/(2013).
10. Boller, E. F. & M. Aluja. 1992. Oviposition deterring pheromone in *Rhagoletis cerasi* L.: biological activity of 4 synthetic isomers and HMP discrimination of two host races as measured by an improved laboratory bioassay. **Journal of Applied Entomology** 113: 113-119. IF = 1.480/(2013).

11. Aluja, M. & E. F. Boller. 1992. Host marking pheromone of *Rhagoletis cerasi*: foraging behavior in response to synthetic pheromonal isomers. **Journal of Chemical Ecology** 18: 1299-1311. IF = 2.732/(2013).
12. Aluja, M. & E. F. Boller. 1992. Host marking pheromone of *Rhagoletis cerasi*: field deployment of synthetic pheromone as a novel cherry fruit fly management strategy. **Entomologia Experimentalis et Applicata** 65: 141-147. IF = 1.674/(2013).
13. Aluja, M., R. J. Prokopy, J. Buonaccorsi & R. T. Cardé. 1993. Wind tunnel assays of olfactory responses of female *Rhagoletis pomonella* flies to apple volatiles: effect of wind speed and odour release rate. **Entomologia Experimentalis et Applicata** 68: 99-108. IF = 1.674/(2013).
14. Papaj, D. R. & M. Aluja. 1993. Temporal dynamics of host-marking in the tropical tephritid fly, *Anastrepha ludens*. **Physiological Entomology** 18: 279-284. IF = 1.460/(2013).
15. Aluja, M. & A. Birke. 1993. Habitat use by *Anastrepha obliqua* (Diptera: Tephritidae) in a mixed mango and tropical plum orchard. **Annals of the Entomological Society of America** 86: 799-812. IF = 1.204/(2013).
16. Aluja, M., I. Jácome, A. Birke, N. Lozada & G. Quintero. 1993. Basic patterns of behavior in wild *Anastrepha striata* (Diptera: Tephritidae) flies under field-cage conditions. **Annals of the Entomological Society of America** 86: 776-793. IF = 1.204/(2013).
17. Aluja, M. & R. J. Prokopy. 1993. Host odor and visual stimulus interaction during intratree host finding behavior of *Rhagoletis pomonella* flies. **Journal of Chemical Ecology** 19: 2671-2696. IF = 2.732/(2013).
18. Aluja, M. 1994. Bionomics and management of *Anastrepha*. **Annual Review of Entomology** 39: 155-178. IF = 14.047/(2013).
19. Celedonio-Hurtado, H., M. Aluja & P. Liedo. 1995. Adult population fluctuations of *Anastrepha* species (Diptera: Tephritidae) in tropical orchard habitats of Chiapas, Mexico. **Environmental Entomology** 24: 861-869. IF = 1.606/(2013).
20. Jácome, I., M. Aluja, P. Liedo & D. Nestel. 1995. The influence of adult diet and age on lipid reserves in the tropical fruit fly *Anastrepha serpentina* (Diptera: Tephritidae). **Journal of Insect Physiology** 41: 1079-1086. IF = 2.416/(2013).
21. Roubik, D. W., D. Yanega, M. Aluja, S. L. Buchmann & D. W. Inouye. 1995. On optimal nectar foraging by some tropical bees (Hymenoptera: Apidae). **Apidologie** 26: 197-211. IF = 2.258/(2013).
22. Heath, R. R., N. D. Epsky, A. Jimenez, B. D. Dueben, P. J. Landolt, W. L. Meyer, M. Aluja, J. Rizzo, M. Camino, F. Jeronimo. & R. M. Baranowski. 1996. Improved pheromone-based trapping systems to monitor *Toxotrypana curvicauda* (Diptera: Tephritidae). **Florida Entomologist** 79: 37-48. IF = 1.271/(2013).

23. Aluja, M., H. Celedonio-Hurtado, P. Liedo, M. Cabrera, F. Castillo, J. Guillén & E. Rios. 1996. Seasonal population fluctuations and ecological implications for management of *Anastrepha* fruit flies (Diptera: Tephritidae) in commercial mango orchards in Southern Mexico. **Journal of Economic Entomology** 89: 654-667. **IF = 1.781/(2013).**
24. Eben, A., M. E. Barbercheck & M. Aluja. 1997. Mexican diabroticite beetles: I. Laboratory test on host breadth of *Acalymma* and *Diabrotica* spp. **Entomologia Experimentalis et Applicata** 82: 53-62. **IF = 1.674/(2013).**
25. Eben, A., M. E. Barbercheck & M. Aluja. 1997. Mexican diabroticite beetles: II. Test for preference of cucurbit hosts by *Acalymma* and *Diabrotica* spp. **Entomologia Experimentalis et Applicata** 82: 63-72. **IF = 1.674/(2013).**
26. Casas, J. & M. Aluja. 1997. The geometry of search movements of insects in plant canopies. **Behavioral Ecology** 8: 37-45. **IF = 3.309/(2013).**
27. Aluja, M., A. Jiménez, J. Piñero, M. Camino, L. Aldana, M. E. Valdés, V. Castrejón, I. Jácome, A. Dávila & R. Figueroa. 1997. Daily activity patterns and within-field distribution of papaya fruit flies (Diptera: Tephritidae) in Morelos and Veracruz, Mexico. **Annals of the Entomological Society of America** 90: 505-520. **IF = 1.204/(2013).**
28. Sivinski, J., M. Aluja & M. López. 1997. Spatial and temporal distributions of parasitoids of Mexican *Anastrepha* species (Diptera: Tephritidae) within canopies of fruit trees. **Annals of the Entomological Society of America** 90: 604-618. **IF = 1.204/(2013).**
29. Aluja, M., A. Jiménez, M. Camino, J. Piñero, L. Aldana, V. Castrejón & M. E. Valdés. 1997. Habitat manipulation to reduce papaya fruit fly (Diptera: Tephritidae) damage: orchard design, use of trap crops and border trapping. **Journal of Economic Entomology** 90: 1567-1576. **IF = 1.781/(2013).**
30. Sivinski, J., K. Vulinec, E. Menezes & M. Aluja. 1998. The bionomics of *Coptera haywardi* (Ogloblin) (Hymenoptera: Diapriidae) and other pupal parasitoids of tephritid fruit flies (Diptera). **Biological Control** 11: 193-202. **IF = 2.290/(2013).**
31. Sivinski, J., M. Aluja, T. Holler & A. Eitam. 1998. Phenological comparison of two braconid parasitoids of the Caribbean fruit fly (Diptera: Tephritidae). **Environmental Entomology** 27: 360-365. **IF = 1.606/(2013).**
32. Aluja, M., M. López & J. Sivinski. 1998. Ecological evidence for diapause in four native and one exotic species of larval-pupal fruit fly (Diptera: Tephritidae) parasitoids in tropical environments. **Annals of the Entomological Society of America** 91: 821-833. **IF = 1.204/(2013).**
33. Hodgson, P. J., J. Sivinski, G. Quintero, & M. Aluja. 1998. Depth of pupation and survival of fruit fly (*Anastrepha* spp.: Tephritidae) pupae in a range of agricultural habitats. **Environmental Entomology** 27: 1310-1314. **IF = 1.606/(2013).**

34. Sivinski, J., M. Aluja & T. Holler. 1999. The distributions of the Caribbean fruit fly, *Anastrepha suspensa* (Tephritidae) and its parasitoids (Hymenoptera: Braconidae) within the canopies of host trees. **Florida Entomologist 82: 72-81. IF = 1.271/(2013).**
35. Jácome, I., M. Aluja & P. Liedo. 1999. Impact of adult diet on demographic and population parameters in the tropical fruit fly *Anastrepha serpentina* (Diptera: Tephritidae). **Bulletin of Entomological Research 89: 165-175. IF = 2.081/(2013).**
36. López, M., M. Aluja & J. Sivinski. 1999. Hymenopterous larval-pupal and pupal parasitoids of *Anastrepha* flies (Diptera: Tephritidae) in Mexico. **Biological Control 15: 119-129. IF = 2.290/(2013).**
37. Eben, A., B. Benrey, J. Sivinski & M. Aluja. 2000. Host species and host plant effects on preference and performance of *Diachasmimorpha longicaudata* (Hymenoptera: Braconidae). **Environmental Entomology 29: 87-94. IF = 1.606/(2013).**
38. Montoya, P., P. Liedo, B. Benrey, J. F. Barrera, J. F. Barrera, J. Cancino & M. Aluja. 2000. Functional response and superparasitism of *Diachasmimorpha longicaudata* (Hymenoptera: Braconidae), a parasitoid of fruit flies (Diptera: Tephritidae). **Annals of the Entomological Society of America 93: 47-54. IF = 1.204/(2013).**
39. Montoya, P., P. Liedo, B. Benrey, J. Cancino, J. F. Barrera, J. Sivinski & M. Aluja. 2000. Biological control of *Anastrepha* spp. (Diptera: Tephritidae) in mango orchards through augmentative releases of *Diachasmimorpha longicaudata* (Ashmead) (Hymenoptera: Braconidae). **Biological Control 18: 216-224. IF = 2.290/(2013).**
40. Sivinski, J., J. Piñero & M. Aluja. 2000. The distributions of parasitoids (Hymenoptera) of *Anastrepha* fruit flies (Diptera: Tephritidae) along an altitudinal gradient in Veracruz, Mexico. **Biological Control 18: 258-269. IF = 2.290/(2013).**
41. Prokopy, R. J., I. Jácome, J. Piñero, L. Guillen, F. Diaz-Fleischer, X. Hu, X. & M. Aluja. 2000. Post-alighting responses of Mexican fruit flies (Dipt., Tephritidae) to different insecticides in paint on attractive spheres. **Journal of Applied Entomology 124: 239-244. IF = 1.480/(2013).**
42. Lezama-Gutiérrez, R., A. Trujillo-de la Cruz, J. Molina- Ochoa, O. Rebolledo-Domínguez, A. R. Pescador, M. López-Edwards & M. Aluja. 2000. Virulence of *Metarhizium anisopliae* (Deuteromycotina: Hyphomycetes) on *Anastrepha ludens* (Diptera: Tephritidae): laboratory and field trials. **Journal of Economic Entomology 93: 1080-1084. IF = 1.781/(2013).**
43. Aluja, M., J. Piñero, M. López, C. Ruíz, A. Zúñiga, E. Piedra, F. Díaz-Fleischer & J. Sivinski. 2000. New host plant and distribution records in Mexico for *Anastrepha* spp., *Toxotrypana curvicauda* Gerstaecker, *Rhagoletis zoqui* Bush,

Rhagoletis sp., and *Hexachaeta* sp. (Diptera: Tephritidae). **Proceedings of the Entomological Society of Washington 102: 802-815. IF = 0.385/(2013).**

44. Aluja, M., F. Díaz-Fleischer, D. R. Papaj, G. Lagunes & J. Sivinski. 2001. Effects of age, diet, female density and the host resource on egg load in *Anastrepha ludens* and *Anastrepha obliqua* (Diptera: Tephritidae). **Journal of Insect Physiology 47: 975-988. IF = 2.416/(2013).**
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46. Aluja, M., I. Jácome & R. Macías-Ordóñez. 2001. Effect of adult nutrition on male sexual performance in four Neotropical fruit fly species of the genus *Anastrepha* (Diptera: Tephritidae). **Journal of Insect Behavior 14: 759-775. IF = 1.123/(2013).**
47. Sivinski, J., K. Vulinec & M. Aluja. 2001. Ovipositor length in a guild of parasitoids (Hymenoptera: Braconidae) attacking *Anastrepha* spp. fruit flies (Diptera: Tephritidae) in Southern Mexico. **Annals of the Entomological Society of America 94: 886-895. IF = 1.204/(2013).**
48. Guillén, L., M. Aluja, M. Equihua & J. Sivinski. 2002. Performance of two fruit fly (Diptera: Tephritidae) pupal parasitoids (*Coptera haywardi* [Hymenoptera: Diapriidae] and *Pachycrepoideus vindemiae* [Hymenoptera: Pteromalidae]) under different environmental soil conditions. **Biological Control 23: 219-227. IF = 2.290/(2013).**
49. Baeza-Larios, G., J. Sivinski, T. Holler & M. Aluja. 2002. The ability of *Coptera haywardi* (Ogloblin) (Hymenoptera: Diapriidae) to locate and attack the pupae of the Mediterranean fruit fly, *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae), under seminatural conditions. **Biological Control 23: 213-218. IF = 2.290/(2013).**
50. Baeza-Larios, G., J. Sivinski, T. Holler & M. Aluja. 2002. The effects of chilling on the fecundity and life span of mass-reared parasitoids (Hymenoptera: Braconidae) of the Mediterranean fruit fly, *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae). **Biocontrol Science & Technology 12: 205-215. IF = 0.866/(2013).**
51. Díaz-Fleischer, F. & M. Aluja. 2003. Behavioural plasticity in relation to egg and time limitation: the case of two fly species in the genus *Anastrepha* (Diptera: Tephritidae). **Oikos 100: 125-133. IF = 3.882/(2013).**
52. Piñero, J., M. Aluja, A. Vázquez, M. Equihua & J. Varón. 2003. Human urine and chicken feces as fruit fly (Diptera: Tephritidae) attractants for resource-poor fruit growers. **Journal of Economic Entomology 96: 334-340. IF = 1.781/(2013).**

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55. Sivinski, J. & M. Aluja. 2003. The evolution of ovipositor length in the parasitic hymenoptera and the search for predictability in biological control. **Florida Entomologist 86: 143-150. IF = 1.271/(2013).**
56. Eitam, A., T. Holler, J. Sivinski & M. Aluja. 2003. Use of host fruit chemical cues for laboratory rearing of *Doryctobracon areolatus* (Hymenoptera: Braconidae), a parasitoid of *Anastrepha* spp. (Diptera: Tephritidae). **Florida Entomologist 86: 211-216. IF = 1.271/(2013).**
57. Feder, J. L., S. H. Berlocher, J. B. Roethele, H. Dambroski, J. J. Smith, W. L. Perry, V. Gavrilovic, K. E. Filchak, J. Rull & M. Aluja. 2003. Allopatric genetic origins for sympatric host-plant shifts and race formation in *Rhagoletis*. **Proceedings of the National Academy of Science 100: 10314-10319. IF = 10.583/(2013).**
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61. Aluja, M., D. Pérez-Staples, R. Macías-Ordóñez, J. Piñero, B. McPheron & V. Hernández-Ortiz. 2003. Nonhost status of *Citrus sinensis* cultivar Valencia and *C. paradisi* cultivar Ruby Red to Mexican *Anastrepha fraterculus* (Diptera: Tephritidae). **Journal of Economic Entomology 96: 1693-1703. IF = 1.781/(2013).**
62. Ovruski, S., P. Schliserman & M. Aluja. 2004. Indigenous parasitoids (Hymenoptera) attacking *Anastrepha fraterculus* and *Ceratitidis capitata* (Diptera: Tephritidae) in native and exotic host plants in Northwestern Argentina. **Biological Control 29: 43-57. IF = 2.290/(2013).**

63. Aluja, M. & J. Piñero. 2004. Testing human urine as a low-tech bait for *Anastrepha* spp. (Diptera: Tephritidae) in small guava, mango, sapodilla and grapefruit orchards. **Florida Entomologist 87: 41-50. IF = 1.271/(2013).**
64. Aluja, M., F. Díaz-Fleischer & J. Arredondo. 2004. Non-host status of commercial *Persea americana* cultivar 'Hass' to *Anastrepha ludens*, *Anastrepha obliqua*, *Anastrepha serpentina*, and *Anastrepha striata* (Diptera: Tephritidae) in Mexico. **Journal of Economic Entomology 97: 293-309. IF = 1.781/(2013).**
65. Castrejón-Gómez, V. R., M. Aluja, R. Arzuffi & P. Villa. 2004. Two low-cost food attractants for capturing *Toxotrypana curvicauda* (Diptera: Tephritidae) in the field. **Journal of Economic Entomology 97: 310-315. IF = 1.781/(2013).**
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74. Rendón, P., J. Sivinski, T. Holler, K. Bloem, M. López, A. Martínez & M. Aluja. 2006. The effects of sterile males and two braconid parasitoids, *Fopius arisanus* (Sonan) and *Diachasmimorpha krausii* (Fullaway) (Hymenoptera), on caged populations of Mediterranean fruit flies, *Ceratitidis capitata* (Wied.) (Diptera: Tephritidae) at various sites in Guatemala. **Biological Control** **36**: 224-231. IF = 2.290/(2013).
75. Sivinski, J., M. Aluja & T. Holler. 2006. Food sources for adult *Diachasmimorpha longicaudata* (Ashmead) (Hymenoptera: Braconidae), a parasitoid of tephritid fruit flies (Diptera): Effects on longevity and fecundity. **Entomologia Experimentalis et Applicata** **118**: 193-202. IF = 1.674/(2013).
76. Aluja, M. & F. Díaz-Fleischer. 2006. Foraging behavior of *Anastrepha ludens*, *A. obliqua* and *A. serpentina* in response to feces extracts containing host marking pheromone. **Journal of Chemical Ecology** **32**: 367-389. IF = 2.732/(2013).
77. Rull, J., M. Aluja, J. Feder & S. Berlocher. 2006. Distribution and host range of hawthorn-infesting *Rhagoletis* (Diptera: Tephritidae) in Mexico. **Annals of the Entomological Society of America** **99**: 662-672. IF = 1.204/(2013).
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80. Xie, X., J. Rull, A. P. Michel, S. Velez, A. A. Forbes, N. F. Lobo, M. Aluja & J. L. Feder. 2007. Hawthorn-infesting populations of *Rhagoletis pomonella* in Mexico and speciation mode plurality. **Evolution** **61**: 1091-1105. IF = 5.402/(2013).
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