

## **Award Category: Lifetime Achievement**

The Lifetime Achievement in IPM Award goes to an individual who has devoted his or her career to implementing IPM in a specific environment. The awardee must have devoted their career to enhancing integrated pest management in implementation, team building, and integration across pests, commodities, systems, and disciplines.

### **New for the 9<sup>th</sup> International IPM Symposium**

The Lifetime Achievement winner will be invited to present his or other invited to present his or her own success story as the closing plenary speaker. At the same time, the winner will also be invited to publish one article on their success of their program in the Journal of IPM, with no fee for submission.

**Nominator Name:** Steve Nadler

**Nominator Company/Affiliation:** Department of Entomology and Nematology, University of California, Davis

**Nominator Title:** Professor and Chair

**Nominator Phone:** 530-752-2121

**Nominator Email:** sanadler@ucdavis.edu

**Nominee Name of Individual:** Frank Zalom

**Nominee Affiliation (if applicable):** University of California, Davis

**Nominee Title (if applicable):** Distinguished Professor and IPM specialist, Department of Entomology and Nematology, University of California, Davis

**Nominee Phone:** 530-752-3687

**Nominee Email:** fgzalom@ucdavis.edu

Attachments: Please include the Nominee's Vita (Nominator you can either provide a direct link to nominee's Vita or send email to Janet Hurley at jahurley@ag.tamu.edu with subject line "IPM Lifetime Achievement Award Vita include nominee name".)

- Summary of nominee's accomplishments (500 words or less):
- Describe the goals of the nominee's program being nominated; why was the program conducted? What condition does this activity address? (250 words or less):
- Describe the level of integration across pests, commodities, systems and/or disciplines that were involved. (250 words or less):
- Describe the team building process; how did this person being nominated; get partners involved? Education and awareness are essential in an IPM program. (250 words or less)
- What outcome describes the greatest success of the program? (250 words or less)
- Provide evidence of change in knowledge, skills, behavior, or condition because of the program/individual. (250 words or less)

**Nominee website:** <http://ucanr.edu/sites/zalomlab/>

### **Summary of nominee's accomplishments (500 words or less):**

Frank Zalom, distinguished professor of entomology and extension IPM specialist at the University of California, Davis, is a past president of the 7000-member Entomological Society of America (ESA). Hired as Extension IPM Coordinator in 1980, he directed the University of California Statewide IPM Program (UCIPM) for 16 years through 2002. He co-chaired the Association of Public and Land-grant Universities' (APLU) National IPM Committee for 16 years through 2015. The precursor of this committee, of which he was a member, organized the first four International IPM Symposia. As a faculty member of the Department of Entomology and Nematology, he continues to develop major agricultural IPM programs for California's specialty crops.

Among his many accomplishments:

1. A nationally known and recognized IPM leader, Zalom co-chaired the APLU National IPM Committee from 1999-2015 and was appointed to a number of ad hoc committees of agencies and organizations that shaped IPM policy and directions. He served as IPM representative to the ESCOP Science and Technology Committee from 2003-2015; USDA-NIFA Western Region IPM Competitive Grants Program Manager from 2006-2015; member of the Board of Directors for the USAID IPM CRSP from 2001-2005.
2. Served as director of the UCIPM program for 16 years that set the standard, nationally and globally, for subsequent IPM programs.
3. Appointed the first Editorial Board chair of ESA's new Journal of Integrated Pest Management.
4. Founding member of the steering committee for the USDA-NIFA Pest Management Information Platform for Extension (ipmPIPE), a new effort to assess risk of disease and insect outbreaks.
5. Co-principal investigator on the original (2002) USDA-CSREES-IREECGP grant for \$3.49 million that funded the Western IPM Center, located at UC Davis, one of four such centers nationally.
6. Numerous leadership roles in the Entomological Society of America, including president in 2014, member of ESA's presidential line for 4 years and Governing Board member for 4 years. He also served as the president of the Entomological Foundation and first chair of ESA's new Science Policy Committee.
7. Authored more than 350 peer-reviewed journal articles, book chapters, and books, and has served as major professor for 12 Ph.D. students and seven master's students.
8. Recipient of multiple awards at UC Davis for his outstanding mentoring, especially of women students and post-docs.
9. Established major agricultural IPM Programs for a number of tree, vine, small fruit and vegetable crops
10. Teaches Arthropod Pest Management at UC Davis
11. Co-chaired the International Entomology Leadership Summit in 2016 in Orlando, Fla.
12. Highly recognized for his work and collaborations, Zalom is a fellow of the California Academy of Sciences, Entomological Society of America, American Association for the Advancement of Science, and Royal Entomological Society (London). Previous IPM awards include the Entomological Foundation's IPM Team Award and Excellence in IPM Award, and the Perry Adkisson Distinguished Speaker Award from Texas A&M University. He is the only entomologist to be awarded the BY Morrison Memorial Medal for horticultural research from USDA-ARS and the American Society for Horticultural Science.

**Describe the goals of the nominee's program being nominated; why was the program conducted? What condition does this activity address? (250 words or less):**

Frank Zalom's program goals are four-fold (1) to solve pest control problems using effective, biologically-based pest management approaches; (2) to provide IPM leadership at the regional, state, national and international levels, (3) to provide a vigorous research program in entomology, especially related to IPM and invasive species; and (4) to educate a new generation of IPM practitioners through effective undergraduate teaching and graduate student mentoring.

He believes that advancing the science and implementation of IPM will reduce the impact of pests and pest control on agriculture and the environment. This is critical in California. "California agriculture is a \$42.6 billion industry that generates at least \$100 billion in related economic industry," according to the California Department of Food and Agriculture, and California grows more than a third of the country's vegetables and two-thirds of the nation's fruits and nuts.

He pursues his goals through a combination of fundamental studies related to pest biology, physiology, and community ecology; problem-focused, hypothesis-driven management research; and community-oriented extension efforts. His research focuses on exploiting weaknesses in the biology of a pest species and its niche in the agroecosystem or the broader landscape. He builds multidisciplinary research and outreach teams to pursue innovative ideas needed to solve major IPM challenges. His lab's research has addressed seventeen invasive species introductions, among them southern green stink bug, silverleaf whitefly, glassy-winged sharpshooter, olive fly, invasive saltcedar, light brown apple moth, spotted wing drosophila, and most recently European grape vine moth, brown marmorated stink bug and bagrada bug.

**Describe the level of integration across pests, commodities, systems and/or disciplines that were involved. (250 words or less):**

**UCIPM Director:** Frank Zalom established a statewide, interdisciplinary IPM team of Cooperative Extension Farm Advisors, and helped establish other activities of the program including the UCIPM website, still one of the most highly utilized online resources for IPM information. He personally oversaw development of the website's online degree-day tool, and the database of degree-day models that remains widely used by California's county-based extension staff and crop consultants. He interacted broadly with research colleagues, extension educators, growers, consultants, environmental groups, and public agency personnel in California, nationally and internationally to advance the science and use of IPM through building or contributing to coalitions, rather than through individual actions.

**IPM Leadership:** As a member of the ESCOP Pest Management Strategies Subcommittee, he co-organized the first 4 National IPM Symposia/Workshops, respectively targeting integration of disciplines; research and extension; academics, agencies and the private sector; and agriculture and urban pests. He co-chaired the APLU National IPM Committee for 16 years to help facilitate communication between the Land Grant IPM community and Federal agencies. He was co-principal investigator of the original \$3.49 million USDA-CSREES-IREECGP grant that funded the Western IPM Center.

**Specialty Crops IPM:** His laboratory has helped establish biologically-based IPM programs for arthropod pests of California tree, vine, small fruit and vegetable crops valued at over \$19 billion. Specific programs he developed over the last 38 years have been documented to reduce insecticide use, pesticide runoff into surface waters, and effective management of several key and invasive pests of specialty crops.

**Describe the team building process; how did this person being nominated; get partners involved? Education and awareness are essential in an IPM program. (250 words or less)**

As Director of the UCIPM Program, Zalom formed an effective interdisciplinary team of scientists dedicated to implementing IPM in California. His awareness, appreciation and recognition of others' expertise, and his willingness to assume organizational or leadership roles are key factors that enabled him to establish numerous partnerships to advance IPM. These partnerships have led to lifelong working relationships between many researchers and extension educators, academics and agency professionals, and individuals in the public and private sectors within California, nationally and internationally that continue to advance the science and implementation of. His integrity, service and respect for all are legendary.

He is highly respected due to (1) his outstanding leadership and public service at the regional, state, national and international levels; (2) his stellar academic accomplishments in agricultural sustainability and IPM; (3) his work ethic, service, courage and integrity, all driven by his insatiable curiosity and passion to solve problems in the agricultural landscape; and (4) his tireless advocacy for IPM as THE way to address pest concerns in a sustainable, economical and environmentally-acceptable manner.

Zalom has been described as a natural leader, well respected by his peers, as shown by his election as president of the Entomological Society of America, his establishment of ESA's Science Policy Program, and his activism that resulted in the International Entomology Leadership Conference held within the International Congress of Entomology last year that was organized to identify grand challenges facing communities worldwide for which the discipline can make a unique and powerful contribution.

**What outcome describes the greatest success of the program? (250 words or less)**

Known globally for his IPM leadership, Zalom returned to California as Extension IPM Coordinator in 1986 and became UCIPM Program Director in 1986. UCIPM flourished under his direction and many aspects for which the program is renown today were initiated at that time. Before leaving the program in 2002 to return full time to his academic appointment at UC Davis, he received a Joint Resolution from the California State Legislature 'for his contributions to California Agriculture, particularly in the area of advancing IPM'.

Zalom co-chaired the APLU's National IPM Committee from 1999-2015. This committee of IPM leaders from across the country helped establish a vision for communication and collaboration between universities and agencies to advance IPM for agricultural and urban stakeholders, and it played a key role in conceptualizing the Regional IPM Centers. The ESCOP Pest Management Strategies Subcommittee that preceded the National IPM Committee, with Zalom as a member, conceived and organized the first four National IPM Symposia/Workshops which have become the International IPM Symposia that now regularly bring IPM professionals together from around the world to showcase IPM efforts and impacts globally. That subcommittee also helped organize the National IPM Forum held in 1992.

His research programs have been widely adopted in California resulting in reduced insecticide use, less pesticide runoff into surface waters, and effective pest management that have been documented in several peer-reviewed studies, and most of his graduate students have become successful IPM researchers and extension educators around the world.

**Provide evidence of change in knowledge, skills, behavior, or condition because of the program/individual. (250 words)**

The UCIPM Program that Zalom directed for 16 years is considered the “gold standard” of IPM information in the world. He received a Joint Resolution from the California State Legislature lauding his efforts to advance IPM.

The ESCOP Pest Management Strategies Subcommittee of which he was a member and its successor, the National IPM Committee that Zalom co-chaired for 16 years, initiated and organized the National IPM Symposia/Workshops that became the International IPM Symposium, and helped conceptualize the Regional IPM Centers. Zalom was co-principal investigator of the first grant that funded the Western IPM Center. All of these are ongoing and inarguably successful even today.

Zalom’s collaborative research and extension efforts on almonds, the largest US tree crop as measured by acreage and value, is perhaps the best example of his academic IPM efforts and include some of the best-documented examples in the literature. Naval orangeworm damage was reduced from 8.8 percent in 1978 to less than 1.5 percent by 1990, while reducing insecticide use by over 40 percent on an industrywide basis. Multiple miticide applications applied to almonds in the 1980s were reduced to once a season by the late 1990s through similar efforts. Organophosphate dormant sprays applied to California orchards were reduced by 90% through a multidisciplinary research effort led by Zalom, bringing the Sacramento River into compliance with the Clean Water Act.

Zalom led or partnered with collaborators to develop successful IPM programs for seventeen invasive pests of specialty crops in California during the last 30 years.

**Frank G. Zalom**

**Contact Information**

Department of Entomology and Nematology  
University of California, Davis  
One Shields Avenue  
Davis, CA 95616-8512

Phone: (530) 752 3687  
Fax: (530) 752 1537  
Email: [fgzalom@ucdavis.edu](mailto:fgzalom@ucdavis.edu)

[http://entomology.ucdavis.edu/Faculty/Frank\\_G\\_Zalom/](http://entomology.ucdavis.edu/Faculty/Frank_G_Zalom/)

<http://ucanr.edu/sites/zalomlab/>

**Education**

Ph.D. University of California, Davis, 1978 (Entomology)  
M.S. Arizona State University, 1974 (Zoology/Ecology)  
B.S. Arizona State University, 1973 (Zoology/Ecology)

**Professional Positions**

1980-Present Distinguished Professor, Entomologist in the Agricultural Experiment Station,  
and Extension Entomologist, Dept. of Entomology, UC Davis  
1986-Present Professor, International Agricultural Development Graduate Group  
2004-2013 USDA-NIFA Regional IPM Grants Program Manager  
1986-2002 Director, UC Statewide IPM Program  
1984-1986 Associate Director for Research, UC Statewide IPM Program  
1980-1987 Extension IPM Coordinator – University of California Cooperative Extension  
1979-1980 Assistant Professor, Dept. of Entomology, Fisheries, and Wildlife, University of  
Minnesota, St. Paul

**Awards and Honors**

2017 *B.Y. Morrison Memorial Lecture and Medal* - USDA-ARS and American Society for  
Horticultural Science  
2017 UC Davis Academic Senate – *Distinguished Scholarly Public Service Award*  
2017 Texas A&M University – *Perry Lee Adkisson Distinguished Speaker Award*  
2016 UC Cooperative Extension - *Outstanding Team Distinguished Service Award*  
(*European Grapevine Moth Team*)  
2015 *Fellow* – Royal Entomological Society, London  
2015 *President* – Entomological Foundation  
2013-14 *Vice President (2013) and President (2014)* - Entomological Society of America  
2013 *Outstanding Mentor Award* - UC Consortium for Women and Research  
2011 *C.W. Woodworth Award* – Pacific Branch Entomological Society of America  
2010 *Fellow* - American Association for the Advancement of Science (AAAS)  
2010 Entomological Society of America – *Excellence in IPM Award*  
2009 International IPM Excellence Award, 6th International IPM Symposium  
2008 *Fellow* - Entomological Society of America  
2008 Entomological Society of America - *IPM Team Award*  
2008 California Department of Pesticide Regulation - *IPM Innovator Award*  
2007 USDA-FAS/Ministry of Agriculture of the People's Republic of China – led a  
Scientific Exchange Team on 'IPM Opportunities for the U.S. and China'

- 2004 UC Davis - *James H. Meyer Award for Teaching, Research and Service*
- 2002 Entomological Society of America - *Recognition Award in Entomology*
- 2001-02 *President - Pacific Branch, Entomological Society of America* – Elected by membership
- 2001 Friends of Agricultural Extension - *Outstanding Cooperative Extension Specialist*
- 2001 CA State Legislature Joint Resolution – ‘*Recognizing Zalom's Contributions to CA Agriculture*’
- 1999 UC Cooperative Extension Assembly Council - *Outstanding Administration Award*
- 1997 Almond Board of California - *Outstanding Research Award*
- 1995 *Governor's Exotic Pest Task Force* – appointed by California Governor Pete Wilson
- 1995 *Visiting Fellow* - Victoria (Australia) Dept. of Agric., Institute for Horticultural Research
- 1992 Entomological Society of America -*Outstanding Achievement Award in Extension Entomology*
- 1992-93 U.S. State Department - *Fulbright Senior Research Fellowship, Spain*
- 1991 UC Cooperative Extension Assembly Council - *Creative Teamwork Award*
- 1990 *Fellow* - California Academy of Sciences
- 1989 American Registry of Professional Entomologists - *Excellence in Entomology Award*
- 1989 *National Academy of Sciences Interacademy Research Exchange Award* - Institute of Experimental Phytopathology and Entomology, Bratislava, Slovakia, 3 months
- 1986 UC Cooperative Extension Assembly Council - *Outstanding Specialist Research Award*
- 1983-89 *Secretary/Treasurer* - Entomological Society of America, Pacific Branch

## **Recent and Notable Professional Service**

### ***National:***

- 2015-Present Chair (2015) and Member, Entomological Society of America Science Policy Committee
- 2012-15 Governing Board, Entomological Society of America
- 2013-14 Chair, Scholarly Journals Committee, Council of Scientific Society Presidents
- 2012-13 Co-Chair, Research Subcommittee, APLU (Association of Public & Land –Grant Universities) Board on Agriculture Assembly Working Group on IPM
- 2009-Present Founding Member and member of Steering Committee, *IPM Voice*
- 2003-Present Co-Chair and ESCOP Technical Advisor, APLU, ESCOP/ECOP/USDA National IPM Committee.
- 2003-Present ESCOP Science and Technology Committee.
- 2006-12 Pest Information Platform for Education and Extension Steering Committee, USDA-NIFA.
- 2010-12 APLU Science Roadmap for Food and Agriculture; participated in document development
- 2009-11 Founding Member and Editorial Board Chair, Journal of Integrated Pest Management
- 2004-06 Pest Management Alternatives Program, Review Panel USDA-CSREES.
- 2002-03 Chair, Organizing Committee, 4<sup>th</sup> National IPM Symposium/ Workshop
- 1999-03 Co-Chair and ECOP Technical Advisor, APLU, ESCOP/ECOP/USDA National IPM Committee.
- 2000-03 Western Region Pest Management Center Steering Committee, USDA.

1997-98 CAST Task Force, Feasibility of Prescription Pesticide Use in the United States  
 1994 Co-Chair, Organizing Committee, 2<sup>nd</sup> National IPM Symposium/ Workshop  
 1991-92 Organizing Committee, USDA/EPA National IPM Forum  
 1991 Organizing Committee, USDA/EPA, Wingspread Conference on Pest Management  
 1987-88 Organizing Committee, 1<sup>st</sup> National IPM Symposium/ Workshop  
 1985-86 Co-Organizer, 1<sup>st</sup> National Extension Workshop on Electronic Technology

***International:***

2016 Co-Chair, International Entomology Leadership Summit, Orlando, FL  
 2016 Co-Organizer, Summit on the *Aedes aegypti* Crisis in the Americas, Maceio, Brazil  
 2015 CONICYT-Chile, Sixth National Call for Research Centers in Priority Areas, Panel Member  
 2013, 2014 European Community. Food, Agriculture and Fisheries Biotechnology Competitive Grants Program, Panel Member  
 2011 OECD (Organization for Economic Co-operation and Development) Workshop on Integrated Pest Management, Berlin, Germany. One of 3 US representatives invited by the US Environmental Protection Agency.  
 2010 Lectures in Integrated Pest Management MS course at University of Lleida, Spain  
 2010-14 USAID, IPM Cooperative Support Project for Central Asia , co-investigator with colleagues from Michigan State University.  
 2005-09 USAID, IPM Cooperative Support Project for Central Asia , co-investigator with colleagues from Michigan State University.  
 2008 Zhejiang University, Hangzhou, China, led external review of the Institute of Agriculture and Environmental Sciences section Biological Disasters and Their Control  
 2008 Global IPM Forum, co-facilitator of IPM Extension/Outreach section area  
 2001-05 USAID, Board of Directors, IPM Cooperative Research Support Project.  
 1994-00 USAID, Pest Management Advisory Committee

***State:***

2011-13 CA Dept. of Food and Agriculture, 21<sup>st</sup> Century Vision Planning Committee  
 2000-07 Sacramento River Watershed Group  
 1994-02 CA Dept. of Pesticide Regulation, Pest Management Advisory Committee  
 1997-2000 CA Dept. of Pesticide Regulation, Methyl Bromide Task Force  
 1994-96 Governor's Exotic Pest Eradication Task Force  
 1994-96 CA Dept. of Pesticide Regulation, California Environmental Technology Partnership Program Steering Committee

***Number of PhDs Supervised:***

Served as Major Professor for 12 PhD students and 6 MS (thesis option) students at UC Davis. He is currently supervising one PhD student at UC-Davis and is a co-advisor for a PhD student at Michigan State University.

***Publications:***

338 Journal publications and book chapters  
 395 Technical proceedings, extension, trade journal and commodity group publications

## 2 US Patents

**Journal articles and book chapters:**

- Farnsworth, D., M. Bolda, R. Goodhue, J. Williams, and F. Zalom. 2017. Economic analysis of revenue losses and control costs associated with the spotted wing drosophila (*Drosophila suzukii*) in the California raspberry industry. *Pest Manage. Sci.* 73(6): 1083-1090.  
<http://onlinelibrary.wiley.com/doi/10.1002/ps.4497/epdf>
- Zalom, F.G., E. Nunez, and R.A. Baldwin. 2017. Almond pests, Chapter 16, pp. 375-406. *In* Almonds: Botany, Production and Uses, R. Socias and T. Gradziel, eds. CABI Press. (In press)
- Leppa, N.C., M.W. Johnson, J.L. Merritt, and F.G. Zalom. 2017. Applications and trends in commercial biological control for arthropod pests of tomato. *In* Sustainable Management of Arthropod Pests of Tomato, W. Wakil, T.M. Perring, and G. Brust, eds. Elsevier Inc. (In Press)
- Tognon, R., J. Sant'Ana, Q.H. Zhang, J.G. Millar, J.R. Aldrich, and F.G. Zalom. 2016. Volatiles mediating parasitism of *Euschistus conspersus* and *Halyomorpha halys* eggs by *Telenomus podisi* and *Trissolcus erugatus*. *J. Chem. Ecol.* 42:1016  
<http://link.springer.com/article/10.1007/s10886-016-0754-3>
- Bahder, B.W., F.G. Zalom, and M.R. Sudarshana. 2016. Phylogeny of geminivirus coat protein sequences and digital PCR aid in identifying *Spissistilus festinus* (Say) as a vector of Grapevine red blotch-associated virus. *Phytopathology* 100(10): 1223-1230.
- Bahder, B.W., F.G. Zalom, and M.R. Sudarshana. 2016. An evaluation of flora adjacent to wine grape vineyards for the presence of alternative host plants of Grapevine red blotch-associated virus. *Plant Dis.* 100: 1571-1574.
- Markle, J., F. Niederholzer, and F. Zalom. 2016. Evaluation of spray application methods for navel orangeworm control in almonds. *Pest Manage. Sci.* 72(12): 2339-2346.
- Maredia, K., G. Bird, D. Landis, F. Zalom, J. Landis, M. Kennelly, M. El-Bouhssini, N. Saidov, and M. Aitmatov. 2016. Ecologically-based Integrated Pest Management Programs for Food Security Crops in Central Asia. Chapter 13, pp. 154-172, *In: Environmental Crises in Central Asia: From Steppes to Seas, from Deserts to Glaciers*, E. Freeman and M. Neuzil, eds. Routledge Books, London. 196 pp.
- Scheidler, N.H., Liu, C., Hamby, K.A., Zalom, F.G., and Syed, Z. 2015. Volatile codes: Correlation of olfactory signals and reception in *Drosophila*-yeast chemical communication. *Nature Sci. Repts.* 5: 14059. <http://doi.org/10.1038/srep14059>
- Hamby, K.A., J.D. Henderson, H.B. Scher, and F.G. Zalom. 2015. Organophosphate insecticide activity reduced when mixed with copper(II) hydroxide in peach dormant sprays. *J. Entomol.Sci.* 50(4): 284-294.
- Bahder, B.W., Barrantes, L.D., Hamby, K.A., Zalom, F.G. and Walsh, D.B. 2015. Microsatellite variation of two Pacific coast *Drosophila suzukii* (Diptera: Drosophilidae) populations. *Environ. Entomol.* 44(5): XX; DOI: <http://dx.doi.org/10.1093/ee/nvv117>
- Bahder, B.W. M.L. Bollinger, M.R. Sudarshana, and F.G. Zalom, 2015. Preparation of mealybugs (Hemiptera: Pseudococcidae) for genetic characterization and morphological examination. *J. Insect Sci.* 15(1): 104: DOI: <http://dx.doi.org/10.1093/jisesa/iev086>
- Loeb, G., V. Walton, and F. Zalom. 2015. Mites, pp. 149-156, *In* Compendium of grape diseases, disorders and pests, 2nd edition. Wilcox, W., Gubler, W.D., and Uyemoto, J.K. APS Press, St. Paul, MN.

- Murphy, K.A., T.R. Unruh, L.M. Zhou, F.G. Zalom, P.W. Shearer, E.H. Beers, V.M. Walton, B. Miller, and J.C. Chiu. 2015. Using comparative genomics to develop a molecular diagnostic for the identification of an emerging pest *Drosophila suzukii*. Bull. Entomol. Res. 105(3):364-72. doi: 10.1017/S0007485315000218
- Hamby, K.A., N.L. Nicola, F.J.A. Niederholzer, and F. G. Zalom. 2015. Timing spring insecticide applications to target both *Amyelois transitella* and *Anarsia lineatella* in almond orchards. J. Econ. Entomol. 108: 683-693. doi: 10.1093/jee/tov021
- Zhan, Y., S. Fan, M. Zhang, and F. Zalom. 2015. Modeling the effect of pyrethroid use intensity on mite population density for walnuts. Pest Manage. Sci. 71: 159-164. DOI: 10.1002/ps.3799
- Goodell, P.B., F.G. Zalom, J.F. Strand, C.A. Wilen, and K. Windbiel-Rojas. 2014. Over 35 years, integrated pest management has reduced pest risks and pesticide use. Calif. Agric. 68(4): 153-157.
- Philips, C.R., Kuhar, T.P., Hoffmann, M.P., Zalom, F.G., Hallberg, R., Herbert, D.A., Gonzales, C., Elliott, S. 2014. Integrated Pest Management. I In: Encyclopedia of Life Sciences. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0003248.pub2
- Harris, D.W., K.A. Hamby, H.E. Wilson, and F.G. Zalom 2014. Seasonal monitoring of *Drosophila suzukii* (Diptera: Drosophilidae) in a mixed production system. J. Asia-Pacific Entomol. 17: 857-864.
- Sagri, E., M. Reczko, M.E. Gregoriou, K.T. Tsoumani, N.E. Zygouridis, K.D. Salpea, F.G. Zalom, J. Ragoussis and K.D. Mathiopoulos, 2014. Olive fly transcriptomics analysis implicates energy metabolism genes in spinosad resistance. BMC Genomics. 15: 714. doi: 10.1186/1471-2164-15-714.
- Hamby, K.A., M.P. Bolda, M.E. Sheehan, and F.G. Zalom. 2014. Seasonal monitoring for *Drosophila suzukii* (Diptera: Drosophilidae) in California commercial raspberries. Environ. Entomol. 43: 1008-1018.
- Zalom, F.G., and N.L. Nicola. 2014. Controlling the first generation of navel orangeworm in almonds. Acta Hort.. 1028:185-200.
- Schuster, D.J., F.G. Zalom, and D. Gilreain. 2014. Arthropod pests, pp. 120-127, In Compendium of tomato diseases and pests, 2nd edition. Jones, J.B., Zitter, T.A., Momol, T.M., and Miller, S.A. APS Press, St. Paul, MN.
- Zalom, F.G., W.J. Bentley, L.G. Varela, L.J. Bettiga, and D.R. Haviland. 2013. Spider mites, Chapter 79, pp. 405-421, In Grape pest management, Bettiga, L.J., ed. Univ. California Agric. Natur. Resourc. Publ. 3343, Richmond, CA.
- Varela, L.G., M.L. Cooper, and F.G. Zalom. 2013. European grapevine moth, Chapter 66, pp. 346-351, In Grape pest management, Bettiga, L.J., ed. Univ. California Agric. Natur. Resourc. Publ. 3343, Richmond, CA.
- Zalom, F.G., R.J. Smith, and M.V. Norton. 2013. Cutworms, Chapter 65, pp. 341-345, In Grape pest management, Bettiga, L.J., ed. Univ. California Agric. Natur. Resourc. Publ. 3343, Richmond, CA.
- Zalom, F.G., L.J. Bettiga, and R.J. Smith. 2013. Branch and twig borer, Chapter 51, pp. 307-310, In Grape pest management, Bettiga, L.J., ed. Univ. California Agric. Natur. Resourc. Publ. 3343, Richmond, CA.
- Villamil, S.C., E.E. Lewis, and F.G. Zalom. 2013. Seasonal pheromone trap catches of male *Bactrocera oleae* (Diptera: Tephritidae) in northern California: Asynchrony with host (olive

- tree) phenology? Environ. Entomol. 42: 1356-1362. DOI: <http://dx.doi.org/10.1603/EN13093>
- Chiu, J.C., X. Jiang, L. Zhao, C.A. Hamm, J.M. Cridland, P. Saelao, K.A. Hamby, E.K. Lee, R.S. Kwok, G. Zhang, F.G. Zalom, V.M. Walton, and D.J. Begun. 2013. Genome of *Drosophila suzukii*, the spotted wing drosophila. G3: Genes, Genomes, Genetics. <http://dx.doi.org/10.1534/g3.113.008185>
- Lee, J.C., P.W. Shearer, L.D. Barrantes, E.H. Beers, H.J. Burrack, D.T. Dalton, A.J. Dreeves, L.J. Gut., K.A. Hamby, D.R. Haviland, R. Isaacs, A.L. Nielsen, T. Richardson, C.R. Rodriguez-Saona, C.A. Stanley, D.B. Walsh, V.M. Walton, W.L. Yee, F.G. Zalom, and D.J. Bruck. 2013. Trap designs for monitoring *Drosophila suzukii* (Diptera: Drosophilidae). Environ. Entomol. 42: DOI: <http://dx.doi.org/10.1603/EN13148>
- Yu, D., F.G. Zalom, and K.A. Hamby. 2013. Host status and fruit odor response of *Drosophila suzukii* (Diptera: Drosophilidae) to figs (*Ficus carica* L.) and mulberries (*Morus* spp.). J. Econ. Entomol. 106: 1932-1937 DOI: <http://dx.doi.org/10.1603/EC12480>
- Hamby, K.A., R.S. Kwok, F.G. Zalom, and J.C. Chiu. 2013. Integrating circadian activity and gene expression profiles to predict chronotoxicity of *Drosophila suzukii* response to insecticides. PLOS One. 8(7): e68472
- Hamby K.A., J.A. Alifano, and F.G. Zalom. 2013. Total effects of contact and residual exposure of bifenthrin and lambda-cyhalothrin on the predatory mite *Galendromus occidentalis* (Acari: Phytoseiidae). Exp. Appl. Acarol. DOI 10.1007/s10493-013-9680-z
- Hamby, K.A., and F.G. Zalom. 2013. Relationship of almond kernal damage occurrence to navel orangeworm (Lepidoptera: Pyralidae) success. J. Econ Entomol. 106: 1365-1372.
- Wilson, H.E., K.A. Hamby, and F.G. Zalom. 2013. Host susceptibility of 'French prune' *Prunus domestica* to *Drosophila suzukii* (Diptera: Drosophilidae). Acta Hort. 985: 249-254.
- Niederholzer, F.J.A., C. Pickel, R.P. Buchner, W. Olson, W.H. Krueger, and F.G. Zalom. 2013. Alternatives to traditional dormant-season plum aphid control are effective. Acta Hort.. 985: 221-228.
- Shoorooei, M., M. Lofti, A. Nabipour, A.I. Mansouri, K. Kheradmand, F.G. Zalom, E. Madadkhah, and A. Parafar. 2013. Antixenosis and antibiosis of some melon (*Cucumis melo*) genotypes to the two-spotted spider mite (*Tetranychus urticae*) and a possible mechanism for resistance. J. Hort. Sci. Biotechnol. 88: 73-78
- Lee, J.C., H.J. Burrack, L.D. Barrantes, E.H. Beers, A.J. Dreves, K. Hamby, D.R. Haviland, R. Isaacs, T. Richardson, P. Shearer, C.A. Stanley, D.B. Walsh, V.M. Walton, F.G. Zalom, and D.J. Bruck. 2012. Evaluation of monitoring traps for *Drosophila suzukii* (Diptera: Drosophilidae) in North America. J. Econ. Entomol.. 105: 1350-1357.
- Zalom, F.G. 2012. Management of arthropod pests. pp. 49-64, *In* Tomato Health Management, Davis, R.R., Pernezny, K., and Broome, J.C. APS Press, St. Paul, MN.
- Symmes, E.J., S.Y. Dewhirst, M.A. Birkett, C. Campbell, K. Chamberlain, J.A. Pickett, and F.G. Zalom. 2012. The sex pheromones of mealy plum aphid (*Hyalopterus pruni*) and leaf-curl plum aphid (*Brachycaudus helichrysi*): Identification and field trapping of male and gynoparous aphids in prune orchards. J. Chem. Ecol. 38(5): 576-83.
- Zhou, C., I. Kandemir, D.B. Walsh, F.G. Zalom, and L.C. Lavine. 2012. Identification of *Lygus hesperus* by DNA barcoding reveals insignificant levels of genetic structure among geographically distant and habitat diverse populations: Implications for integrated pest management. PLoS One. 7(3): e34528. doi:10.1371/journal.pone.0034528.

- Saenz de Cabezon Irigaray, F.J., and F.G. Zalom. 2012. Transovarial biotransference of etoxazole through a terrestrial trophic web. *Pest Managem. Sci.* (wileyonlinelibrary.com) DOI 10.1002/ps.3329
- Zalom, F.G. 2012. Book review: Agricultural acarology: Introduction to integrated mite management. *J. Econ. Entomol.* 105(1): 295-296.
- Lei, X., D. Li, Z. Li, F.G. Zalom, L. Gao, and Z. Shen. 2012. Effect of host plants on developmental time and life table parameters of *Carposina sasakii* Matsumura (Lepidoptera: Carposinidae) under laboratory conditions. *Environ. Entomol.* 41: 349-354.
- Hamby, K.A., A. Hernandez-Leon, K. Boundy-Mills, and F.G. Zalom. 2012. Associations of yeasts with spotted wing drosophila (*Drosophila suzukii*, Diptera: Drosophilidae) in cherries and raspberries. *Appl. Environ. Microbiol.* 78(14): 4869-4873.
- Cobourn, K.M., H.J. Burrack, R.E. Goodhue, J.C. Williams, and F.G. Zalom. 2011. Implications of simultaneity in a physical damage function. *J. Environ. Econ. Managem.* 62: 278-289.
- Goodhue, R.E., M. Bolda, D. Farnsworth, J.C. Williams, and F.G. Zalom. 2011. Spotted wing drosophila infestation of California strawberries and raspberries: economic analysis of potential revenue losses and control costs. *Pest Managem. Sci.* 67:1396-1402.
- Hamby, K.A., Gao, L.W., Lampinen, B., Gradziel, T., and F.G. Zalom. 2011. Hullsplit date and shell seal in relation to navel orangeworm (Lepidoptera: Pyralidae) infestation of almonds. *J. Econ. Entomol.* 104(3): 965-969.
- Walsh, D.B., M.P. Bolda, R.E. Goodhue, A.J. Dreves, J. Lee, D.J. Bruck, V.M. Walton, S.D. O'Neal, and F.G. Zalom. 2011. *Drosophila suzukii* (Diptera: Drosophilidae): Invasive pest of ripening soft fruit expanding its geographic range and damage potential. *J. Integr. Pest Managem.* 2: 1-7.
- Burrack, H.J., R. Bingham, R. Price, J.H. Connell, P.A. Phillips, L. Wunderlich, P.M. Vossen, N.V. O'Connell, L. Ferguson, and F.G. Zalom. 2011. Understanding the seasonal and reproductive biology of olive fruit fly is critical to its management. *Calif. Agric.* 65(1): 14-20.
- Thomas, H.Q., F.G. Zalom, and N.L. Nicola. 2010. Laboratory studies of *Blattisocius keegani* (Fox) (Acari: Ascidae) reared on eggs of navel orangeworm: potential for biological control. *Bull. Entomological Res.* doi:10.1017/S0007485310000404.
- Thomas, H.Q., F.G. Zalom, and R.T. Roush. 2010. Laboratory and field evidence of post-release changes to the ecological host range of *Diorhabda elongata*: Has this improved biological control efficacy? *Biological Control.* 53: 353-359.
- Kakani E.G., N.E. Zigouridis, K. Tsoumani, N. Seraphides, F.G. Zalom, and K.D. Mathiopoulos. 2010. Spinosad resistance development in wild olive fruit fly *Bactrocera oleae* (Diptera: Tephritidae) populations in California. *Pest Management Science.* 66(4): 447-453.
- Zalom, F.G. 2010. Pesticide use practices in integrated pest management, Chapter 8. pp. 303-313, *In* Hayes' Handbook of Pesticide Toxicology, 3rd Edition. R. I. Krieger, ed. Elsevier/Academic Press, New York.
- Saenz de Cabezon Irigaray, F.J., F.G. Zalom, and J.F. Lopez-Olguin. 2010. A review of recent patents on macroorganisms as biological control agents. *Recent Patents on Biotechnology.* 4(1): 1-17.  
(<http://www.benthamdirect.org/pages/content.php?BIOT/2010/00000004/00000001/0004BIOT.SGM>)

- Zalom, F.G. and F.J. Saenz de Cabezón Irigaray. 2010. Integrating pesticides and biocontrol of mites in agricultural systems. pp. 471-476, *In Trends in Acarology*, M.W. Sabelis and J. Bruin, eds. Springer, Dordrecht, The Netherlands.
- Thompson, P.B., F.G. Zalom and M.P. Bolda. 2009. Evaluating insecticides for control of adult Lygus bugs (Miridae: Hemiptera) in California strawberries. *Acta Horticulturae*. 842: 219-223.
- Zalom, F.G., P.B. Thompson and N. Nicola. 2009. Cyclamen mite, *Phytonemus pallidus* (Banks), and other tarsonemid mites in strawberries. *Acta Hort*. 842: 243-246.
- Pease, C.G. and F.G. Zalom. 2009. Influence of non-crop plants on stink bugs (Hemiptera: Pentatomidae) and their natural enemies in tomatoes. *J. Appl. Entomol.* 134: 626-636.
- Rehman, J.U., X.G. Wang, M.W. Johnson, K.M. Daane, G. Jilani, M.A. Khan, and F.G. Zalom. 2009. Effects of *Peganum harmala* (Zygophyllaceae) seed extract on olive fruit fly (Diptera: Tephritidae) and its larval parasitoid, *Psytalia concolor* (Hymenoptera: Braconidae). *J. Econ. Entomol.* 102: 2233-2240.
- Burrack, H.J., A.M. Fornell, J.H. Connell, N.V. O'Connell, P.A. Phillips, P.M. Vossen, and F.G. Zalom. 2009. Intraspecific larval competition in the olive fruit fly (Diptera: Tephritidae). *Environ. Entomol.* 38(5): 1400-1410.
- Koike, S.T., F.G. Zalom, and K.D. Larson. 2009. Bronzing of strawberry fruit as affected by production practices, environmental factors, and thrips. *HortScience*. 44(6): 1-6.
- Carey, J.R., T.W. Scott, F.G. Zalom, B.D. Hammock, and W.S. Leal. 2009. Rethinking departments of entomology. *American Entomologist*. 55(2): 88-90.
- Zalom, F.G., R.A. Van Steenwyk, H.J. Burrack, and M.W. Johnson. 2009. Olive fruit fly. *Univ. Calif. Div. Agric. Nat. Res. Pest Notes. Publ.* 74112. 4 pp.
- McKee, G.J., and F.G. Zalom. 2009. A model of greenhouse whitefly *Trialeurodes vaporariorum* (Westwood) population development and management on Camarosa variety strawberry plants. *Journal of Asia-Pacific Entomology*. 12: 117-122.
- McKee, G.J., R.E. Goodhue, F.G. Zalom, C.A. Carter, and J.A. Chalfant. 2009. Population dynamics and the economics of invasive species management: the greenhouse whitefly in California-grown strawberries. *Journal of Environmental Management*. 90: 561-570.
- Sánchez-Moreno, S., N.L. Nicola, H. Ferris, and F.G. Zalom. 2009. Effects of agricultural management on nematode – mite assemblages: soil food web indices as predictors of mite community composition. *Applied Soil Ecology*. 41: 107-117.
- Zygouridis, N.E., A.A. Augustinos, F.G. Zalom, and K.D. Matiopoulos. 2009. Analysis of olive fly invasion in California based on microsatellite markers. *Heredity*. 102(4): 402-12.
- Zalom, F.G. 2008. Challenges of managing Lygus in strawberry plantations on the central coast of California. *J. Insect Sci.* 8 (49): 26-27.
- Hummel, N.A., W.S. Leal, and F.G. Zalom. 2008. Potentially hygroreceptive sensillae on the anal stylus of *Homalodisca vitripennis*. *J. Insect Sci.* 8 (58): 1-6.
- Burrack, H.J., J.H. Connell, and F.G. Zalom. 2008. Comparison of olive fruit fly (*Bactrocera oleae* (Gmelin)) (Diptera: Tephritidae) captures in several commercial traps in California. *International J. Pest Management*. 54: 227-234.
- Burrack, H.J. and F.G. Zalom. 2008. Olive fruit fly (Diptera: Tephritidae) ovipositional preference and larval performance in several commercially important olive varieties in California. *J. Econ. Entomol.* 101(3): 750-758.

- Bolda, M.A., O. Daugovish, S.A. Fennimore, S.T. Koike, K.D. Larson, D.B. Marcum, and F.G. Zalom. (technical coordinators) 2008. Integrated pest management for strawberries, 2nd ed. University of California, Division of Agriculture and Natural Resources Publication 3351.
- Burrack, H.J., F.G. Zalom, and J.H. Connell. 2008. Comparison of several traps for use in monitoring the olive fruit fly (*Bactrocera oleae*) in California. *Acta Hort.* 791: 547-554.
- Zalom, F.G., H.J. Burrack, R. Bingham, R. Price, and L. Ferguson. 2008. Olive fruit fly (*Bactrocera oleae*) introduction and establishment in California. *Acta Hort.* 791: 619-627.
- McKee, G.J., F.G. Zalom, and R.E. Goodhue. 2007. Management and yield impact of the greenhouse whitefly (*Trialeurodes vaporariorum*) on California strawberries. *HortScience.* 42(2): 280-287.
- Saenz de Cabezon Irigaray, F. J. and F. G. Zalom. 2007. Selectivity of acaricide exposure on *Galendromus occidentalis* reproductive potential. *Biocontrol Science and Technology.* 17(5): 541-546.
- Saenz de Cabezon Irigaray, F.J., F.G. Zalom, and P.B. Thompson. 2007. Residual toxicity of acaricides to *Galendromus occidentalis* and *Phytoseiulus persimilis* reproductive potential. *Biological Control.* 40:153-159.
- Cullen, E.M. and F.G. Zalom. 2007. On-farm trial assessing efficacy of three insecticide classes for management of stink bug and fruit damage on processing tomatoes. *Plant Health Progress.* doi:10.1094/PHP-2007-0323-01-RS.
- Saenz de Cabezon Irigaray, J., F. Zalom, I. Perez-Moreno, and V. Marco. 2006. Effects of lufenuron on *Lobesia botrana* Den. & Schiff. (Lepidoptera: Tortricidae) egg, larval and adult stages. *J. Econ. Entomol.* 99(2): 427-431.
- Zalom, F.G., C. Pease and P. Thompson. 2006. Potato aphid control with insect growth regulators in processing tomatoes, 2004. *Arthropod Management Tests.* 31: E84.
- Zalom, F.G., C. Pease and P. Thompson. 2006. Potato aphid control in processing tomatoes, 2004. *Arthropod Management Tests.* 31: E83.
- Zalom, F.G., F. Niederholzer, C. Pease and N. Nicola. 2006. Peach twig borer dormant season control, 2005. *Arthropod Management Tests.* 31: D4.
- Zalom, F.G., F. Niederholzer, C. Pease and T. Glik. 2006. Peach twig borer dormant season control, 2004. *Arthropod Management Tests.* 31: D3.
- Zalom, F.G., P. Thompson, N. Nicola and K. Larson. 2006. Evaluation of miticides against the two-spotted spider mite, 2005. *Arthropod Management Tests.* 31: C21.
- Zalom, F.G., P. Thompson, N. Nicola and K. Larson. 2006. Evaluation of miticides against the carmine spider mite, 2005. *Arthropod Management Tests.* 31: C20.
- Zalom, F.G., P. Thompson, K. Larson, C. Smith and J. Palacios. 2006. Central of beet armyworm and western flower thrips with reduced-risk insecticides, 2004. *Arthropod Management Tests.* 31: C19.
- Hummel, N.A., F.G. Zalom, and C.Y.S. Peng. 2006. Anatomy and histology of the reproductive organs of female *Homalodisca coagulata* (Hemiptera: Cicadellidae: Proconiini), with special emphasis on the categorization of vitellogenic oöcytes. *Ann.Entomol. Soc. Am.* 99(5): 920-932.
- Zalom, F.G., D.V. Shaw, and K.D. Larson. 2006. Strawberry insects and mites in California, ecology and control. *In: Encyclopedia of Pest Management.* Marcel Dekker, Inc. New York. <http://www.dekker.com/sdek/abstract~db=enc~content=a713627116>. [DOI: 10.1081/E-EPM-120041243].

- Hummel, N.A., F.G. Zalom, N.C. Toscano, P. Burman and C.Y.S. Peng. 2006. Seasonal patterns of female *Homalodisca coagulata* (Say) (Hemiptera: Cicadellidae) reproductive physiology in Riverside, California. *Environ. Entomol.* 35(4): 901-906.
- Hummel, N.A., F.G. Zalom, and C.Y.S. Peng. 2006. Structure of female genitalia of *Homalodisca coagulata* (Say) (Hemiptera: Cicadellidae). *Arthropod Structure and Development*. 35: 111-125.
- Saenz de Cabezon Irigaray, F.J., and F.G. Zalom. 2006. Side effects of five new acaricides on the predator *Galendromus occidentalis* (Acari, Phytoseiidae). *Experimental and Applied Acarology*. 8: 299-305.
- Brady, J.I., W.W. Wallender, I. Werner, F.G. Zalom, M.N. Oliver, B.W. Wilson, F.B. Mostafazadeh, M. Mata, J. Henderson, and L. Deanovic. 2006. Pesticide runoff from orchard floors in Davis, California, USA: A comparative analysis of diazinon and esfenvalerate *Agricultural Ecosystems and Environment* 115: 56-68.
- Cullen, E.M. and F.G. Zalom. 2006. Morphological relationships between *Euschistus conspersus* females and their attraction to methyl 2E, 4Z – decadienoate pheromone baited traps in processing tomatoes. *Entomologia Experimentalis et Applicata*. 119: 163-173.
- Larson, K.D., S.T. Koike, and F.G. Zalom. 2006. Polyethylene mulch, deficit irrigation, overhead sprinkling and strawberry fruit bronzing. *Acta Horticulturae*. 708:51-57.
- Hoffmann, M.P., F.G. Zalom, and T.P. Kuhar. 2006. Integrated Pest Management. In: *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd: Chichester <http://www.els.net/> [doi:10.1038/npg.els.0003248]
- Hummel, N.A., F.G. Zalom, and C.Y.S. Peng. 2005. Fecundity and success of progeny produced by *Homalodisca coagulata* (Hemiptera: Cicadellidae) on single host species. *Journal of Agricultural and Urban Entomology*. 22(3&4): 151-158.
- Zalom, F.G. 2005. Science and stakeholders: new, traditional and non-traditional ways of doing business, Chapter 7. pp. 65-79. In *Entomology at the Land Grant University: Perspectives from the Texas A&M University Department Centenary*, K. M. Heinz, R. Frisbie and C. Bogran eds. Texas A&M Press. College Station, TX.
- Saenz de Cabezon Irigaray, J. V. Marco, F. Zalom, and I. Perez-Moreno. 2005. Effects of methoxyfenocide on *Lobesia botrana* Den. & Schiff (Lepidoptera: Tortricidae) egg, larval and adult stages. *Pest Management Science*. 61:1133-1137.
- Cullen, E.M. and F.G. Zalom. 2005. Relationship between *Euschistus conspersus* (Hem., Pentatomidae) pheromone trap catch and canopy samples in processing tomatoes. *Journal of Applied Entomology*. 129: 505-514
- Brodt, S., F. Zalom, R. Krebill-Prather, W. Bentley, C. Pickel, J. Connell, L. Wilhoit, and M. Gibbs. 2005. Almond growers rely on pest control advisers for integrated pest management. *California Agriculture*. 59(4):242-248.
- Brust, G., and F. Zalom. 2005. Tomato. pp. 124-141, In *Vegetable insect management*, R. Foster and B. R. Flood, eds. Meister Media Worldwide. Willoughby, OH.
- Zalom, F.G., C. Pickel, W.J. Bentley, R. Coviello, R.A. Van Steenwyk, and M.W. Freeman. 2005. Insects and mites. pp. 1-34, In *UC IPM pest management guidelines: almond*. Univ. of Calif. PMG Publ. 3431. January 2005.
- Zalom, F.G., P.A. Phillips, N.C. Toscano and M. Bolda. 2005. Insects and mites. pp. 1-43, In *UC IPM pest management guidelines: strawberry*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3468. May, 2005.

- Pickel, C., W.H. Olson, F.G. Zalom, R.P. Buchner, W.H. Krueger and W.O. Reil. 2005. Insects and mites. pp. 1-47, *In UC IPM pest management guidelines: prune*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3464. January, 2005.
- Zalom, F.G., J.T. Trumble, C.F. Fouche and C.G. Summers. 2005. Insects and mites. pp. A.1 & B.1-37, *In UC IPM pest management guidelines, tomato*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3470. January, 2005.
- Leal, W.S., A.L. Parra-Pedrazzoli, K.E. Kaissling, T.I. Morgan, F.G. Zalom, D.J. Pesak, E. A. Dundulis, C. S. Burks, and B. S. Higbee. 2005. Unusual pheromone chemistry in the navel orangeworm: novel sex attractants and a behavioral antagonist. *Naturwissenschaften*. 92: 139-146.
- Larson, K.D., S.T. Koike and F.G. Zalom. 2005. Bed mulch treatment affects strawberry fruit bronzing and yield performance. *HortScience*. 40(1) 72-75.
- Daane, K.M., R.E. Rice, F.G. Zalom, W.W. Barnett, and M.W. Johnson. 2005. Arthropod pests of olive, pp. 105-114, *In G. S. Sibbett and L. Ferguson, eds., Olive production manual, second edition*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3353.
- Van Steenwyk, R.A. and F.G. Zalom. 2005. Environmental laws elicit evolution in pest management. *California Agriculture*. 59(1): 2.
- Van Steenwyk, R.A. and F.G. Zalom. 2005. Food quality protection act (FQPA) launches search for pest management alternatives. *California Agriculture*. 59(1):7-10.
- Zalom, F.G., N.C. Toscano and F.J. Byrne. 2005. Managing resistance is critical to future use of pyrethroids and neonicotinoids. *California Agriculture*. 59(1):11-15.
- Van Steenwyk, R.A., L. Ferguson and F.G. Zalom. 2004. Insects and mites. pp. A.1 & B.1-14, *In UC IPM pest management guidelines, olive*. Univ. of Calif. PMG Publ. 3452. April, 2004.
- Bentley, W.J., F.G. Zalom, J. Granett, R.J. Smith, L.G. Varela and A.H. Purcell. 2004. Insects and mites. pp. A.1 & B.1-42, *In UC IPM pest management guidelines, grape*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3448. July, 2004.
- Zalom, F.G., T. Glik, D. Limburg and D. Shaw. 2004. Two-spotted spider mite control, 2001. *Arthropod Management Tests*. 29: C21.
- Zalom, F. and T. Glik. 2004. Peach twig borer dormant season control, 2003. 2004. *Arthropod Management Tests*. 29: B13.
- Musongong, G., E. N. Nukenine, M. Ngassoum, T. Gangue, O. Messine, C. N. Fokunang, F. G. Zalom, L. M. Njongmeta, and V. Tanya. 2004. *In vitro* toxicity of ethanolic plant extracts from Adamawa Province, Cameroon to infective larvae of *Strongyloides papillosus*. *Journal of Biological Sciences*. 4:763-767.
- Werner, I., F.G. Zalom, M.N. Oliver, L.A. Deanovic, T.S. Kimball, J.D. Henderson, B.W. Wilson, W. Krueger, and W.W. Wallender. 2004. Toxicity of stormwater runoff after dormant spray application in a French prune orchard (Glenn County, California, USA): temporal patterns and the effect of ground covers. *Environmental Toxicology and Chemistry*. 23(11):2719-2726.
- Zalom, F.G., I. Werner, M.N. Oliver, L.A. Deanovic, T. Kimball, B.W. Wilson, J.D. Henderson, and W.W. Wallender. 2004. Organophosphate dormant spray pest control efficacy, pesticide concentration and toxicity in storm runoff. *Bulletin of Environmental Contamination and Toxicology*. 73:299-305.
- Joyce, B.A., W.W. Wallender, T. Angermann, B.W. Wilson, I. Werner, M.N. Oliver, F.G. Zalom, and J.D. Henderson. 2004. Using infiltration enhancement and soil water

- management to reduce diazinon in runoff. Journal of the American Water Resources Association. 40:1063-1070.
- Hummel, N.A., F.G. Zalom, G.M. Miyao, N.C. Underwood and A. Villalobos. 2004. Potato aphid, *Macrosiphum euphorbiae* (Thomas), in tomatoes: plant canopy distribution and binomial sampling on processing tomatoes in California. Journal of Economic Entomology. 97(1):1-6.
- Zalom, F.G., R.A. Van Steenwyk and H.J. Burrack. 2004. Olive fruit fly. Pest Notes, Univ. Calif. Div. Agric. Nat. Res. Publ. 74112. 4 pp.
- Shaw, D.V., F.G. Zalom and K.D. Larson. 2003. Relative differences in yield for strawberry (*Fragaria x ananassa* Duch.) genotypes are stable over differing levels of infestation by twospotted spidermites (*Tetranychus urticae* Koch.). Journal of the American Society of Horticultural Science. 128(5): 678-681.
- Zalom, F.G. 2003. Tobacco flea beetle (Coleoptera: Chrysomelidae) distribution on seedling tomatoes. Acta Horticulturae 613:247-250.
- Zalom, F.G. 2003. Pests, endangered pesticides and processing tomatoes. Acta Horticulturae 631:223-233.
- Olsen, L., F.G. Zalom and P.L. Adkisson. 2003. Integrated pest management in the United States of America. pp. 249-271. *In*: Integrated Pest Management in the Global Arena, K.M. Maredia, D. Daouo and D. Mota-Sanchez, eds. CAB International Press.
- Hanna, R., F.G. Zalom, and W. J. Roltsch. 2003. Relative impact of spider predation and cover crop on population dynamics of *Erythroneura variabilis* in a raisin grape vineyard. Entomologia Experimentalis et Applicata. 107:177-191.
- Zalom, F.G., M.N. Oliver, I. Werner, L.A. Deanovic, T. Kimball, B.W. Wilson, J.D. Henderson, and W.W. Wallender. 2003. Mitigating orchard dormant spray runoff by alternative treatment timing: impact on target pest species and pesticide load. pp 39-45, *In*: Proc. California Plant and Soil Conf., Feb. 5-6, 2003, Modesto, CA.
- Werner, I., L.A. Deanovic, T. Kimball, B.W. Wilson, W. Krueger, W.W. Wallender, M.N. Oliver, and F.G. Zalom. 2003. Toxicity of stormwater runoff after dormant spray application in a French prune orchard (Glenn County, California): temporal patterns and the effect of ground covers. pp 46-51, *In*: Proc. California Plant and Soil Conf., Feb. 5-6, 2003, Modesto, CA.
- Zalom, F. and D. Walsh. 2002. Petroleum-derived spray oils: a useful tactic in California IPM systems. pp.379-386, *In*: A. Beattie, D. Watson, M. Stevens, D. Rae and R. Spooner-Hart (eds.). Spray Oils Beyond 2000: Sustainable Pest and Disease Management, Veritage Press, Lisarow, New South Wales, Australia.
- Millar J.G., H.L. McBrien, H.-Y. Ho, R.E. Rice, E. Cullen, F.G. Zalom and A. Uokl. 2002. Pentatomid bug pheromones in IPM: possible applications and limitations. Bull. Intl. Org. Biol. Contr., Pheromone Working Group 25(9):1-11.
- Walsh, D. and F. Zalom. Winter horticultural and agricultural mineral oil treatments for control of two-spotted spider mite on California strawberries. pp. 481-491, *In*: A. Beattie, D. Watson, M. Stevens, D. Rae and R. Spooner-Hart (eds.). Spray Oils Beyond 2000: Sustainable Pest and Disease Management. Veritage Press. Lisarow, New South Wales, Australia.
- Zalom, F.G., M.N. Oliver, W.W. Wallender, I. Werner, B.W. Wilson, W.H. Krueger, B.T. Angermann, L.A. Deanovic, T.S. Kimball, J.D. Henderson, G.H. Oliveira, and P. Osterli.

2002. Monitoring and mitigating offsite movement of dormant spray pesticides from California orchards. *Acta Horticulturae* 592:729-735.
- Zalom, F.G., D.B. Walsh, W. Krueger and J. Connell. 2002. Tolerance of peach twig borer, *Anarsia lineatella*, to organophosphate and pyrethroid insecticides. *Acta Horticulturae* 591:585-590.
- Angermann, T., W.W. Wallender, B.W. Wilson, I. Werner, D.E. Hinton, M.N. Oliver, F.G. Zalom, J.D. Henderson, G.H. Oliveria, L.A. Deanovic, P. Osterli, and W. Krueger. 2002. Runoff from orchard floors – micro-plot field experiments and modeling. *Journal of Hydrology*. 265:178-194.
- McBrien, H.L., J.G. Millar, R.E. Rice, J.S. McElfresh, E. Cullen, and F.G. Zalom. 2002. Sex attractant pheromone of the red-shouldered stink bug *Thyanta pallidovirens*: a pheromone blend with multiple redundant components. *Journal of Chemical Ecology*. 28(9):1797-1818.
- Badenes-Perez, F.R., F.G. Zalom and W.J. Bentley. 2002. Are San Jose scale (Hom., Diaspididae) pheromone trap captures predictive of crawler densities? *Journal of Applied Entomology*. 126:545-549.
- Badenes-Perez, F.G. Zalom and W.J. Bentley. 2002. Effects of dormant insecticide treatments on the San Jose scale (Homoptera: Diaspididae) and its parasitoids *Encarsia perniciosi* and *Aphytis* spp. (Hymenoptera: Aphelinidae). *International Journal of Pest Management*. 48(4):291-296.
- Pickel, C., W. H. Olson, F. G. Zalom, R. P. Buchner, W. H. Krueger and W. O. Reil. 2002. Insects and mites. pp. B.1-44, *In Pest management guidelines: prunes*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3339. February, 2002.
- Zalom, F. G., J. T. Trumble, C. Summers and N. C. Toscano. 2002. Insects and mites. pp. 1-30, *In Tomato pest management guidelines*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3339. January, 2002.
- Bentley, W. J., F. Zalom, J. Granett, R. Smith, L. Varela and A. Purcell. 2002. Insects and mites. pp. B.1-31, *In Grape pest management guidelines*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3339. February, 2002.
- Zalom, F. G., P. A. Phillips, N. C. Toscano and S. Udayagiri. 2002. Insects and mites. Pp. 1-31, *In Pest management guidelines: strawberries*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3339. February, 2001.
- Nukenine E. N., A. G. O. Dixon, A. T. Hassan and. F. G. Zalom. 2002. Relationships between leaf trichome characteristics and field resistance to cassava green mite, *Mononychellus tanajoa* (Bondar). *Systematic and Applied Acarology*. 7:77-90
- Zalom, F G. 2002. Dormant sprays. pp. 204-206, *In D. Pimentel, ed. Encyclopedia of Pest Management*. Marcel Dekker, Inc. New York.
- Walsh, D. B., F. G. Zalom, D. V. Shaw and K. D. Larson. 2002. Yield reduction caused by twospotted spider mite feeding in an advanced-cycle strawberry breeding population. *Journal of the American Society of Horticultural Science*. 127(2):230-237.
- Marsh, M. M., M. V. McKenry, W. C. Micke, T. S. Prather, B. L. Teviotdale and F. G. Zalom (technical coordinators). 2002. Integrated pest management for almonds, Second Ed. Univ. Calif. Div. Agric. Nat. Res. Publ. 3308. 199pp.
- Werner, I., L. A. Deanovic, D. E. Hinton, J. D. Henderson, G H. Oliveira, B. W. Wilson, W. Krueger, W. W. Wallender, M. N. Oliver and F. G. Zalom. 2002. Toxicity of stormwater runoff after dormant spray application of diazinon and esfenvalerate (Asana®) in a french

- prune orchard (Glenn County, California). *Bulletin of Environmental Contamination and Toxicology*. 68(1): 29-36.
- Zalom, F. G., R. A. Van Steenwyk, W. J. Bentley, R. Coviello, R. E. Rice, L. Hendricks, C. Pickel, and M. W. Freeman. 2001. Insects and mites. pp. 1-29, *In Almond pest management guidelines*. Univ. of Calif. PMG Publ. 3339. February 2001.
- Zalom, F. G., J. T. Trumble, C. Summers and N. C. Toscano. 2001. Insects and mites. pp. 1-30, *In Tomato pest management guidelines*. Univ. Calif. Div. Agric. Nat. Res. Publ. 3339. February 2001.
- Millar, J. G., R. E. Rice, S. A. Steffan, K. M. Daane, E. Cullen and F. G. Zalom. 2001. Attraction of female digger wasps, *Asata occidentalis* Cresson (Hymenoptera: Sphecidae) to the sex pheromone of the stink bug *Thyanta pallidovirens* (Hemiptera: Pentatomidae). *Pan-Pacific Entomologist*. 77:244-248.
- Zalom, F. G., W. T. Lanini, G. Miyao, and R. M. Davis. 2001. A continuum of integrated pest management practices in processing tomatoes. *Acta Horticulturae*. 542: 55-62
- Cullen, E., F. Zalom, W. Steinke and N. Hummel. 2001. High-volume applications to improve canopy penetration and efficacy of reduced risk insecticides in processing tomatoes. *Acta Horticulturae*. 542: 31-37.
- Zalom, F. G. 2001. Pesticide use practices in integrated pest management, Chapter 9. pp. 275-283, *In Handbook of Pesticide Toxicology*, 2<sup>nd</sup> Edition. Vol. 1. Principles. R. I. Krieger, ed. Academic Press, New York.
- Shennan, C., C. L. Cecchettini, G. B. Goldman, and F. G. Zalom. 2001. Profiles of California farmers by degree of IPM use as indicated by self-descriptions in a phone survey. *Agricultural Ecosystems and Environment*. 84: 267-275.
- Epstein, L., S. Bassein, F. G. Zalom, and L. R. Wilhoit. 2001. Changes in pest management practice in almond orchards during the rainy season in California USA. *Agric. Ecosyst. Environ.* 83:111-120
- Walsh, D. B., and F. G. Zalom. 2000. Programa de manejo integral de plagas de artropodos de la fresa en las regiones productoras de California. Pp. 109-122, *In J. Z. Castellanos and F. G. O'Hart*, eds. *Simposio Internacional de Fresa*. Zamora, Mexico.
- Zalom, F. G., M. W. Stimmann, T. S. Arndt, D. B. Walsh, C. Pickel and W. H. Krueger. Analysis of permethrin (cis- and trans-isomers) and esfenvalerate on almond twigs and effects of residues on the predator mite, *Galendromus occidentalis* (Acari:Phytoseiidae). 2001. *Environmental Entomology*. 30:70-75.
- Epstein, L., S. Bassein, F. G. Zalom and L. R. Wilhoit. 2001. Changes in pest management practice in almond orchards during the rainy season in California, USA. *Agriculture, Ecosystems and Environment*. 83:111-120
- Zalom, F.G. 2000. Building the IPM continuum. *Calif. Agric.* 54(6): 2.†
- Epstein, L., S. Bassein, and F.G. Zalom. 2000. Almond and stone fruit growers reduce OP, increase pyrethroid use in orchard dormant sprays. *Calif. Agric.* 54(6):14-19.
- Zalom, F.G. 2000. Moving along the IPM continuum. *Proc. Amer. Soc. Enol. Vitic.* 50: 356-359.
- Zalom, F., C. Tobia, K. Larson, N. Toscano, and G. Ballmer. 2000. Acaricide efficacy against spider mites on south coast strawberries, 1998-99. *Arthropod Managem. Tests*. 25: 75-76.
- Cullen, E.M., F.G. Zalom, M.L. Flint and E.E. Zilbert. 2000. Quantifying trade-offs between pest sampling time and precision in commercial IPM sampling programs. *Agricultural Systems*. 66(2):99-113.

- Cullen, E.M. and F.G. Zalom. 2000. Phenology-based field monitoring for consperse stink bug (Hemiptera: Pentatomidae) in processing tomatoes. *Environmental Entomology* 29(3):560-567.
- Walsh, D., F. Zalom, C. Tobia and D. Shaw. 1999. Acaricide efficacy and effects on predatory mites in central coast strawberries, 1998. *Arthropod Managem. Tests*. 24:C24.
- Zalom, F., C. Tobia, R. Buchner and C. Pickel. 1999. Acaricide efficacy and effect on predatory mites on California prunes, 1996. *Arthropod Management Tests* 24:B6.
- Zalom, F., D. Walsh, C. Tobia and C. Ingels. 1999. Spider mite control on central valley strawberries with acaricides and predatory mites, 1998. *Arthropod Management Tests* 24:C27.
- Zalom, F., E. Cullen, D. Walsh, C. Tobia and D. Larsen. 1999. Phytotoxicity of narrow range oil and sulfur, 1998. *Arthropod Management Tests*. 24:E101.
- Zalom, F., D. Walsh, E. Cullen, C. Tobia and G. Miyao. 1999. Potato aphid control with narrow range oils, 1998. *Arthropod Management* 24:E100.
- Zalom, F.G. and L.T. Wilson. 1999. Predicting phenological events of California processing tomatoes. *Acta Horticulturae*. 487:41-47.
- Roltsch, W.J., F.G. Zalom, A.J. Strawn, J.F. Strand and M.J. Pitcairn. 1999. Evaluation of several degree-day estimation methods in California climates. *International Journal of Biometeorology*. 42:169-176.
- Bentley, W.J., J.L. Caprile, W.W. Coates, R.B. Elkins, C. Pickel, K. Walker, P.W. Weddle and F.G. Zalom. 1999. *Integrated Pest Management for Apples & Pears*, Second Edition. University of California Division of Agriculture and Natural Resources Publication 3340.
- Bentley, Walter J., Richard E. Rice and Frank G. Zalom (technical coordinators for insects and mites). 1999. *Integrated Pest Management for Stone Fruits*. University of California Division of Agriculture and Natural Resources Publication 3389.
- Brown, M.W., C. Gorsuch, L. Gut, J. Kovach, L. Strand, P. Shearer, T. Smith and F. Zalom. 1999. Status of stone fruit integrated pest management in the United States. *Integrated Plant Protection in Stone Fruit IOBC WPRS Bulletin* 22(11):137-139.
- Goodell, P.B. and F.G. Zalom. 1999. Delivering IPM: Progress and challenges, pages 483-496. In George G. Kennedy and Turner B. Sutton (Eds.), *Emerging Technologies for Integrated Pest Management: Concepts, Research, and Implementation*. APS Press, St. Paul, MN.
- Zalom, F.G. and J.G. Morse. 1999. Expanded efforts needed to limit exotic pests. *California Agriculture*. 53(2):2.
- Roltsch, W., R. Hanna, F. Zalom, H. Shorey and M. Mayse. 1999. Spiders and vineyard habitat relationships in Central California, pages 311-338. In: Charles H. Pickett and Robert L. Bugg (Eds.), *Enhancing Biological Control*. University of California Press, Berkeley.
- Zalom, F.G. 1999. Professional training and technology transfer, pages 765-787. In: John R. Ruberson (Ed.), *Handbook of Pest Management*. Marcel Dekker, Inc., New York.
- Coble, H.D., A.R. Bonanno, B. McGaughey, G.A. Purvis and F.G. Zalom. 1998. Feasibility of prescription pesticide use in the United States. Council for Agricultural Science and Technology, Issue Paper 9. 10 pages.
- Karban, R. and F. Zalom. 1998. Success of mite-fighting tactics evaluated. *California Agriculture* 52(6):21-24.
- Davis, R.M., T.K. Hartz, W.T. Lanini, R.E. Marsh, G. Miyao and F.G. Zalom (technical coordinators). 1998. *Integrated Pest Management for Tomatoes*. Fourth Edition. University of California, Division of Agriculture and Natural Resources Publication 3274.

- Zalom, F.G., J.H. Connell and W.J. Bentley. 1998. Validation of phenology models for predicting development of the navel orangeworm *Ameylois transitella* (Walker) in California almond orchards. *Acta Horticulturae* 470:525-533.
- Walsh, D.B., F.G. Zalom and M. Stimmann. 1998. Effects of pyrethroid insecticide residues on almond leaves on the biology of the western orchard predator mite *Galendromus occidentalis* (Nesbitt) (Acari: Phytoseiidae). *Acta Horticulturae*. 470:539-546.
- Flint, M.L., E. Cullen, E. Zilbert, F.G. Zalom, G. Miyao and R. Coviello. 1998. Pest management recordkeeping duties shift with computerization. *California Agriculture*. 52(4):27-31.
- Walsh, D.B., F.G. Zalom and D.V. Shaw. 1998. Interaction of the twospotted spider mite (Acari: Tetranychidae) with yield of day-neutral strawberries in California. *Journal of Economic Entomology*. 91(3):678-685.
- Klonsky, K., F. Zalom, M. Chandler, C. Ohmart, C. Elmore and L. Tourte. 1998. The Lodi-Woodbridge Winegrape Commission: A framework for implementing IPM. *Integrated Pest Management Reviews*. 3:243-255.
- Zalom, F.G. and P. Merriman. 1998. IPM-Has it delivered? What does it take to make an effective IPM program: Lessons from California and Victoria, pages 11-21. In M.P. Zalucki, R.A.I. Drew and G.G. White (Eds.) *Proceedings of the Sixth Australasian Applied Entomological Research Conference*. Brisbane, Australia.
- Connell, J.H., F.G. Zalom and W.J. Bentley. 1998. Navel orangeworm control in almond with *Bacillus thuringiensis*. *Acta Horticulturae*. 470:547-552.
- Clark, M.S., H. Ferris, K. Klonsky, W.T. Lanini, A.H.C. van Bruggen and F.G. Zalom. 1998. Agronomic, economic, and environmental comparison of pest management in conventional and alternative tomato and corn systems in northern California. *Agriculture, Ecosystems and Environment*,. 68:51-71.
- Muñiz, M. and F.G. Zalom. 1997. Developmental rate and number of generation estimates for *ceratitis capitata* (Wiedemann) in fruit growing regions of California, pages 55-66. In J. Piedade-Guerreiro (Ed.), *Fruit Flies of Economic Importance IOBC WPRS Bulletin* 20(8).
- Smilanick, J.M., F.G. Zalom and L.E. Ehler. 1997. Evaluation of scelionid egg parasitoids for stink bug control in California tomato fields, pages 45-49. In A. Hanafi, M. Achouri and W. O. Baudoin (Eds.), *Production & Protection Integrees (PPI)*.
- Zalom, F.G. 1997. The challenge of adapting integrated pest management for the local environment, pages 14-20. In: A. Hanafi, M. Achouri and W. O. Baudoin (Eds.), *Production & Protection Integrees (PPI)*.
- Hanna, R., F.G. Zalom and L.T. Wilson. 1997. 'Thompson seedless' grapevine vigour and abundance of Pacific spider mite (*Tetranychus pacificus* McGregor) (Acari, Tetranychidae). *Journal of Applied Entomology* 121:511-516.
- Wilson, L.T., A.P. Gutierrez, R. Tennyson and F.G. Zalom. 1997. A physiological based model for processing tomatoes: Crop and pest management. *Acta Horticulturae*. 200:125-132.
- Zalom, F.G., J.M. Smilanick and L.E. Ehler. 1997. Fruit damage by stink bugs (Hemiptera: Pentatomidae) in bush-type tomatoes. *Journal of Economic Entomology*. 90(5):1300-1306.
- Hanna, R., L.T. Wilson, F.G. Zalom and D.L. Flaherty. 1997. Effects of predation and competition on the population dynamics of *Tetranychus pacificus* on grapevines. *Journal of Applied Ecology*. 34:878-888.

- Walsh, D.B., F.G. Zalom, N.C. Welch, C. Pickel, and D.V. Shaw. 1997. Pretransplant cold storage of strawberries: Effects on plant vigor, yield, and spider mite (Acari: Tetranychidae) abundance. *Journal of Economic Entomology* 90(3):818-823.
- Zalom, F.G., J.M. Smilanick, and L.E. Ehler. 1997. Spatial pattern and sampling of stink bugs (Hemiptera: Pentatomidae) in processing tomatoes, pages 75-79. In G. A. Marciel, G.M.B. Lopes, C. Hayward, R.R.L. Mariano and E.A. de A. Maranhao (Eds.), *1st International Conference on the Processing Tomato*. ASHS Press, Alexandria, Virginia.
- Hanna, R., F.G. Zalom, L.T. Wilson and G.M. Leavitt. 1997. Sulfur can suppress mite predators in vineyards. *California Agriculture* 51(1):19-21.
- Zalom, F.G. 1997. IPM practices for reducing insecticide use in US fruit crops, pages 317-342. In D. Pimentel (Ed.), *Techniques for Reducing Pesticide Use*. John Wiley & Sons Ltd.
- Heinz, K.M. and F.G. Zalom. 1996. Performance of the predator *Delphastus pusillus* on *Bemisia* resistant and susceptible tomato lines. *Entomologia Experimentalis et Applicata* 81:345-352.
- Walsh, D.B., F.G. Zalom, D.V. Shaw and N.C. Welch. 1996. Effect of strawberry plant physiological status on the translaminar activity of avermectin B<sub>1</sub> and its efficacy against the twospotted spider mite (Acari: Tetranychidae). *Journal of Economic Entomology* 89(5):1250-1253.
- Hanna, R., L.T. Wilson, F.G. Zalom, D.L. Flaherty, and G.M. Leavitt. 1996. Spatial and temporal dynamics of spider mites (Acari: Tetranychidae) in 'Thompson Seedless' vineyards. *Environmental Entomology* 25(2):370-382.
- Smilanick, J.M., F.G. Zalom, and L.E. Ehler. 1996. Effect of methamidophos residue on the pentatomid egg parasitoids *Trissolcus basal* and *T. utahensis* (Hymenoptera: Scelionidae). *Biological Control* 6:193-201.
- Weber, C.A., J.M. Smilanick, L.E. Ehler, and F.G. Zalom. 1996. Ovipositional behavior and host discrimination in three scelionid egg parasitoids of stink bugs. *Biological Control* 6:245-252.
- Zalom, F.G., C. Castañé and R. Gabarra. 1996. Effects of chilling of *Bemisia argentifolii* (Homoptera: Aleyrodidae) infesting cabbage. *Journal of Entomological Science* 31(1):39-51.
- Agudelo-Silva, F., F.G. Zalom, A. Hom and L. Hendricks. 1995. Dormant season application of *Steinernema carpocapsae* (Rhabditida: Steinernematidae) and *Heterorhabditis* sp. (Rhabditida: Heterorhabditidae) on almond for control of overwintering *Amyelois transitella* and *Anarsia lineatella* (Lepidoptera: Gelechiidae). *Florida Entomologist* 78(3):516-523.
- Heinz, K.M. and F.G. Zalom. 1995. Variation in trichome-based resistance to *Bemisia argentifolii* (Homoptera: Aleyrodidae) oviposition on tomato. *Journal of Economic Entomology* 88(5):1494-1502.
- Roltsch, W.J., F.G. Zalom, J.W. Barry, G.W. Kirfman, and J.P. Edstrom. 1995. Ultra-low volume aerial applications of *Bacillus thuringiensis* variety *Kurstaki* for control of peach twig borer in almonds trees. *Applied Engineering in Agriculture* 11(1):25-30.
- Zalom, F.G., C. Castañé, and R. Gabarra. 1995. Selection of some winter-spring vegetable crop hosts by *Bemisia argentifolii* (Homoptera: Aleyrodidae). *Journal of Economic Entomology* 88(1):70-76.
- Pickel, C., F.G. Zalom, D.B. Walsh and N.C. Welch. 1995. Vacuums provide limited Lygus control in strawberries. *California Agriculture* 49(2):19-22.

- Zalom, F.G. 1994. Traps and lures for monitoring *Anarsia lineatella* and *Grapholitha molesta* in almond and stone fruits. *Acta Horticulturae* 373:269-276.
- Zalom, F.G. (one of 43 contributors). 1994. Integrated pest management for strawberries. University of California, Division of Agriculture and Natural Resources Publication 3351.
- Pickel, C., F.G. Zalom, D.B. Walsh, and N.C. Welch. 1994. Efficacy of vacuum machines for *Lygus hesperus* (Hemiptera: Miridae) control in coastal California strawberries. *Journal of Economic Entomology* 87(6):1636-1640.
- Zalom, F.G. and A. Jones. 1994. Insect fragments in processed tomatoes. *Journal of Economic Entomology* 87(1):181-186.
- Zalom, F.G. 1994. Pesticides: Risk, regulation and research. *California Agriculture* 48(3):2.
- Zalom, F.G. 1994. Addressing the challenge of change. *American Entomologist* 40(3):138.
- Lanini, W.T, F. Zalom, J. Marois and H. Ferris. 1993. Researchers find short-term insect problems, long-term weed problems. *California Agriculture* 48(5):27-33.
- Castañé, C. and F.G. Zalom. 1993. Artificial oviposition substrate for rearing *Orius insidiosus* (Hemiptera: Anthoridae). *Biological Control* 4:88-91.
- Zalom, F.G. 1993. Reorganizing to facilitate the development and use of integrated pest management. *Agriculture, Ecosystems and Environment* 46:245-256.
- Zalom, F.G., C. Pickel, D.B. Walsh, and N.C. Welch. 1993. Sampling for *Lygus hesperus* (Hemiptera: Miridae) in strawberries. *Journal of Economic Entomology* 86(4):1191-1195.
- Barnett, W.W., J.P. Edstrom, R.L. Coviello and F.G. Zalom. 1993. Insect pathogen "Bt" controls peach twig borer on fruits and almonds. *California Agriculture* 47(5):4-6.
- Zalom, F.G., W.W. Barnett, J.E. Dibble, D.R. Donaldson, and R.J. Smith. 1992. Cutworms, pages 124-128. In D.L. Flaherty, L.P. Christiansen, W.T. Lanini, J.J. Marois, P.A. Phillips and L.T. Wilson (Eds.), *Grape Pest Management*. University of California Division of Agriculture and Natural Resources Publication 3343.
- Zalom, F.G., L.J. Bettiga, and D.R. Donaldson. 1992. Branch and twig borer, pages 121-123. In D.L. Flaherty, L.P. Christiansen, W.T. Lanini, J.J. Marois, P.A. Phillips and L.T. Wilson (Eds.), *Grape Pest Management*. University of California Division of Agriculture and Natural Resources Publication 3343.
- Goodell, P.B. and F.G. Zalom. 1992. The potential for integrated pest management in California vegetable production, pages 75-94. In A.R. Leslie and G.W. Cuperus (Eds.), *Successful Implementation of Integrated Pest Management for Agricultural Crops*. Lewis Publishers, Boca Raton, FL.
- Zalom, F.G., W.W. Barnett, R.E. Rice, and C.V. Weakley. 1992. Factors associated with flight patterns of the peach twig borer (Lepidoptera: Gelichiidae) observed using pheromone traps. *Journal of Economic Entomology* 85(5):1904-1909.
- Hoffman, M.P., F.G. Zalom, L.T. Wilson, J.M. Smilanick, L.D. Malyj, J. Kiser, V.A. Hilder, and W.M. Barnes. 1992. Field evaluation of transgenic tobacco containing genes encoding *Bacillus thuringiensis* -endotoxin or cowpea trypsin inhibitor: Efficacy against *Helicoverpa zea* (Lepidoptera: Noctuidae). *Journal of Economic Entomology* 85(6):2516-2522.
- Medvecky, B.A. and F.G. Zalom. 1992. Conventional and alternative insecticides, including a granular formulation of *Bacillus thuringiensis* var. *kurstaki*, for the control of *Busseola fusca* (Fuller) (Lepidoptera: Noctuidae) in Kenya. *Tropical Pest Management* 38(2):186-189.
- Flint, M.L., J.M. Lyons, J.P. Madden, M.N. Schroth, A.R. Weinhold, J.L. White and F.G. Zalom. 1992. Executive Summary. *Beyond Pesticides*. Biological Approaches to Pest Management

- in California. University of California, Division of Agriculture and Natural Resources Publication 21512. 47 pages.
- Madden, J.P., M.N. Schroth, T.C. Baker, H.O. Carter, D.L. Dahlsten, H. Ferris, M.L. Flint, J.M. Lyons, R.H. McCapes, M.L. Morrison, M.K. Rust, C.E. Turner, P.V. Vail and F.G. Zalom (The Study Group on Biological Approaches to Pest Management). 1992. Beyond Pesticides. Biological approaches to pest management in California. University of California, Division of Agriculture and Natural Resources Publication 21512. 183 pages.
- Zalom, F.G. and W.E. Fry. 1992. Biologically intensive IPM for vegetable crops, pages 107-165. In F.G. Zalom and W.E. Fry (Eds.), *Food, Crop Pests, and the Environment*. The American Phytopathological Society Press, St. Paul, Minnesota.
- Zalom, F.G., R.E. Ford, R.E. Frisbie, C.R. Edwards and J.P. Tette. 1992. Integrated pest management: addressing the economic and environmental issues of contemporary agriculture, pages 1-12. In F.G. Zalom and W.E. Fry (Eds.), *Food, Crop Pests, and the Environment*. The American Phytopathological Society Press, St. Paul, Minnesota.
- Zalom, F.G. and W.E. Fry (Eds.). 1992. *Food, Crop Pests, and the Environment*. The American Phytopathological Society Press, St. Paul, Minnesota. 180 pages.
- Flint, M.L., N.A. Davidson, F.G. Zalom, and J.S. Auburn. 1992. Potential losses of pesticides in California and identification of alternative pest management practices in broccoli. *American Entomologist* 38(2):115-121.
- Pitcairn, M.J., F.G. Zalom and R.E. Rice. 1992. Degree-day forecasting of generation time of *Cydia pomonella* (Lepidoptera: Tortricidae) populations in California. *Environmental Entomology* 21(3):441-446.
- Medvecky, B.A., F.G. Zalom and W.A. Williams. 1991. Traps and lures for a pheromone-based monitoring system for the maize stalk borer, *Busseola fusca* (Fuller) (Lepidoptera: Noctuidae) in Kitale, Kenya. *Tropical Pest Management* 38(1):70-74.
- Barnett, W.W., W.J. Bentley, R.S. Bethell, C. Pickel, P.W. Weddle and F.G. Zalom. 1991. Integrated Pest Management for Apples & Pears. University of California Division of Agriculture and Natural Resources Publication 3340.
- Pitcairn, M.J., C. Pickel, L.A. Falcon, and F.G. Zalom. 1991. Development and survivorship of *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) at ten constant temperatures. *Pan-Pacific Entomologist* 67(3):189-194.
- Hoffmann, M.P., L.T. Wilson, F.G. Zalom, and R.J. Hilton. 1991. Dynamic sequential sampling plan for *Helicoverpa zea* (Lepidoptera: Noctuidae) eggs in processing tomatoes: Parasitism and temporal patterns. *Environmental Entomology* 20(4):1005-1012.
- Hoffmann, M.P., L.T. Wilson, and F.G. Zalom. 1991. Area-wide pheromone trapping of *Helicoverpa zea* and *Heliothis phloxiphaga* (Lepidoptera: Noctuidae) in the Sacramento and San Joaquin Valleys of California. *Journal of Economic Entomology* 84(3):902-911.
- Hoffmann, M.P., N.A. Davidson, L.T. Wilson, L.E. Ehler, W.A. Jones and F.G. Zalom. 1991. Imported wasp helps control southern green stink bug. *California Agriculture* 45(3):20-22
- Lange, W.H., E.R. Oatman, P.A. Phillips, J. Studdert, N.C. Toscano, J. Trumble, R.A. Van Steenwyk, C.V. Weakley, L.T. Wilson and F.G. Zalom. 1990. Integrated Pest Management for Tomatoes. Third Edition. University of California Division of Agriculture and Natural Resources Publication 3274.
- Zalom, F.G. 1990. El manejo integrado de plagas (MIP) en California. *Phytoma España* 22, 3 pages. (In Spanish.)

- Grigarick, A.A., R.K. Webster, R.P. Meyer, F.G. Zalom, and K.A. Smith. 1990. Effect of pesticide treatments on nontarget organisms in California rice paddies. I. Impact of triphenyltin hydroxide. *Hilgardia* 58(1):1-36.
- Pitcairn, M.J., F.G. Zalom, and W.J. Bentley. 1990. Weather factors influencing capture of *Cydia pomonella* (Lepidoptera: Tortricidae) in pheromone traps during overwintering flight in California. *Environmental Entomology* 19(5):1253-1258.
- Barton, K., J.I. Grieshop, G. Miyao and F.G. Zalom. 1990. Farmers' personality related to implementation of integrated pest management. *Knowledge: Creation, Diffusion, Utilization*. 12(1):3-13.
- Demment, M.W., K.G. Cassman, W.J. Chancellor, E.W. Learn, R.S. Loomis, D.N. Munns, D.R. Nielsen, J. N. Seiber, and F.G. Zalom. 1990. California farming systems: Diversity to compete in a changing world, pages 9-25. In H.O. Carter and C.F. Nuckton (Eds.), *Agriculture in California: On the Brink of a New Mellenium*. University of California Agricultural Issues Center.
- Davidson, N.A., L.T. Wilson, M.P. Hoffmann, and F.G. Zalom. 1990. Comparisons of temperature measurements from local weather stations and the tomato plant canopy: Implications for crop and pest forecasting. *Journal of the American Society of Horticultural Science* 115(5):861-869.
- Grieshop, J.I., E. MacMullan, S. Brush, C. Pickel, and F.G. Zalom. 1990. Extending integrated pest management by public mandate: A case study from California. *Society and Natural Resources* 3:33-51.
- Hoffmann, M.P., L.T. Wilson, F.G. Zalom, and R.J. Hilton. 1990. Parasitism of *Heliothis zea* (Lepidoptera: Noctuidae) eggs: Effect on pest management decision rules for processing tomatoes in the Sacramento Valley of California. *Environmental Entomology* 19(3):753-763.
- Weakley, C.V., P.A. Kirsch, and F.G. Zalom. 1990. Within-orchard and within-tree distributions of peach twig borer (Lepidoptera: Gelechiidae) damage to peaches. *Journal of Economic Entomology* 83(2):505-510.
- Hoffmann, M.P., L.T. Wilson, F.G. Zalom, R. Coviello, M. Murray, P.B. Goodell and D. Rough. 1990. Trapping tomato fruitworm in the Central Valley. *California Agriculture* 44(5):33-35.
- Klonsky, K., F. Zalom and W. Barnett. 1990. California's almond IPM program. *California Agriculture* 44(5):21-24.
- Zalom, F.G., C.V. Weakley, M.P. Hoffmann, L.T. Wilson, J.I. Grieshop and G. Miyao. 1990. Monitoring tomato fruitworm eggs in processing tomatoes. *California Agriculture* 44(5):12-15.
- Zalom, F.G. and M.L. Flint. 1990. Integrated pest management in California. *California Agriculture* 44(5):4-6.
- Zalom, F.G. and J.F. Strand. 1990. Alternatives to targeted pesticides: The DANR database. *California Agriculture* 44(4):16-20.
- Lyons, J.M. and F.G. Zalom. 1990. Progress report: Vice President's task force on pest control alternatives. Overview. *California Agriculture* 44(4):11-12.
- Zalom, F.G., C. Pickel and N.C. Welch. 1990. Recent trends in strawberry arthropod management for coastal areas of the western United States, pages 239-259. In *Monitoring and Integrated Management of Arthropod Pests of Small Fruit Crops*. Intercept Ltd., Andover, UK.

- Zalom, F.G. and J.F. Strand. 1990. Expectations for computer decision aids in IPM. *AI Applications* 4(1):53-58.
- Hoffmann, M.P., L.T. Wilson, F.G. Zalom, R.J. Hilton and C.V. Weakley. 1990. Parasitoid helps control fruitworm in Sacramento Valley processing tomatoes. *California Agriculture* 44(1):20-23.
- Weakley, C.V., P. Kirsch and F.G. Zalom. 1990. Distribution of peach twig borer damage in peaches. *California Agriculture* 44(1):9-11.
- Plant, R.E., F.G. Zalom, J.A. Young, and R.E. Rice. 1989. CALEX/peaches, an expert system for the diagnosis of peach and nectarine disorders. *HortScience* 24(4):700.
- Frisbie, R.E., J.L. Crawford, C.M. Bonner and F.G. Zalom. 1989. Implementing IPM in cotton, pages 389-412. *In* R.E. Frisbie, K.M. El-Zik and L.T. Wilson (Eds.). *Integrated Pest Management Systems and Cotton Production*. John Wiley & Sons, Inc.
- Jiménez, M.J., N.C. Toscano, D.L. Flaherty, P. Ilic, F.G. Zalom and K. Kido. 1989. Controlling tomato pinworm by mating disruption. *California Agriculture* 42(6):10-12.
- Zalom, F.G. and C. Pickel. 1988. Cabbage aphid, *Brevicoryne brassicae* (L.), control in brussels sprouts in relation to crop development. *Journal of Agricultural Entomology* 5(3):161-167.
- Aldrich, J.R., W.R. Lusby, J.P. Kochansky, M.P. Hoffmann, L.T. Wilson and F.G. Zalom. 1988. Lygus bug pheromones vis-a-vis stink bugs. *Proceedings of the Beltwide Cotton Production Conferences*, pages 213-216.
- Grieshop, J.I., F.G. Zalom and G. Miyao. 1988. Adoption and diffusion of integrated pest management innovations in agriculture. *Bulletin of the Entomological Society of America* 34(2):72-78.
- Zalom, F.G. and C. Pickel. 1988. Spatial and seasonal distribution of damage to apples by *Argyrotaenia citrana* and *Pandenis pyrusana* (Lepidoptera: Tortricidae) in coastal California orchards. *Journal of Agricultural Entomology* 5(1):11-15.
- Pickel, C., F.G. Zalom, and N.C. Welch. 1988. Managing cabbage aphids in brussels sprouts. *California Agriculture* 42(1&2):26.
- Natwick, E.T. and F.G. Zalom. 1987. Development of sweet potato whitefly in clip cages on cotton. *Proceedings, Beltwide Cotton Production Conference* 40:163-168.
- Hoffmann, M.P., F.G. Zalom, and L.T. Wilson. 1987. Aerial applications of insecticides for control of stink bugs on processing tomatoes. *Insecticide and Acaricide Reports* 12:154.
- Hoffmann, M.P., F.G. Zalom, and L.T. Wilson. 1987. Evaluation of insecticides for control of stink bugs on processing tomatoes. *Insecticide and Acaricide Reports* 12:153.
- Hoffmann, M.P., L.T. Wilson, and F.G. Zalom. 1987. The southern green stink bug, *Nezara viridula*; new location. *Pan-Pacific Entomologist* 64:333.
- Zalom, F.G. and E.T. Natwick. 1987. Developmental time of sweetpotato whitefly (Homoptera: Aleyrodidae) in small field cages on cotton plants. *The Florida Entomologist* 70(4):427-431.
- Hoffmann, M.P., L.T. Wilson, and F.G. Zalom. 1987. Control of stink bugs in tomatoes. *California Agriculture* 41(5&6):4-6.
- Zalom, F.G. 1987. Recent developments in integrated pest management, pages 137-147. *In Agricultural Development and Environmental Research, American and Czechoslovak Perspectives*. National Academy Press, Washington, DC. 233 pages.
- Bentley, W.J., F.G. Zalom, W.W. Barnett, and J.P. Sanderson. 1987. Population densities of *Tetranychus* spp., (Acari: Tetranychidae) after treatment with insecticides for *Amyelois transitella* (Lepidoptera: Pyralidae) *Journal of Economic Entomology* 80(1):193-199.

- Hoffmann, M.P., F.G. Zalom, P.A. Roberts, and L.T. Wilson. 1986. Potato aphid control with nematicides/ insecticides. *Insecticide and Acaricide Reports* 11:192-193.
- Wilson, L.T., A.P. Gutierrez, R. Tennyson, and F.G. Zalom. 1986. A physiological based model for processing tomatoes: Crop and pest management. *Hortscience* 21(3):330.
- Hoffman, M.P., L.T. Wilson, F.G. Zalom, and L. McDonough. 1986. Lures and traps for monitoring tomato fruitworm. *California Agriculture* 49(9&10):17-18.
- Zalom, F.G., J. Kitzmiller, L.T. Wilson, and P. Gutierrez. 1986. Observation of tomato russet mite, (Acari: Eriophyidae) damage symptoms in relation to tomato plant development. *Journal of Economic Entomology* 79(4):940-942.
- Zalom, F.G., L.T. Wilson, C.E. Kennett, N.V. O'Connell, D. Flaherty, and J.G. Morse. 1986. Presence-absence sampling: Application to citrus red mite and a predator mite on orange trees. *California Agriculture* 40(3&4):15-16.
- Zalom, F.G., L.T. Wilson, and M.P. Hoffmann. 1986. Impact of feeding by the tomato fruitworm *Heliothis zea* (Boddie) and the beet armyworm, *Spodoptera exigua* (Hubner) on processing tomato quality. *Journal of Economic Entomology* 79(3):822-826.
- Natwick, E.T. and F.G. Zalom. 1985. Verification of the cotton whitefly population model, *Bemisia tabaci* Gennadius (Homoptera: Aleyrodidae). *Proceedings, Beltwide Cotton Production Research Conference* 38:174-177.
- Natwick, E.T. and F.G. Zalom. 1985. Model predicts whitefly populations. *Brawley News/Imperial Valley Press*, August 8.
- Zalom, F.G. 1985. *Proceedings of the 69th Annual Meeting of the Pacific Branch, Entomological Society of America*. *Bulletin of the Entomological Society of America* 31(4):52-53.
- Zalom, F.G. and C. Pickel. 1985. Damage of the cabbage maggot *Hylemya (Delia) brassicae* (Diptera: Anthomyiidae) to brussels sprouts. *Journal of Economic Entomology* 78(6):1251-1253.
- Zalom, F.G., C.E. Kennett, N.V. O'Connell, D.L. Flaherty, J.G. Morse, and L.T. Wilson. 1985. Distribution of *Panonychus citri* (McGregor) and *Euseius tularensis* Congdon on central California orange trees with implications for binomial sampling. *Agriculture, Ecosystems and Environment* 14:119-129.
- Zalom, F.G. and W.J. Bentley. 1985. Southern fire ant (Homoptera: Formicidae) damage to harvested almonds in California. *Journal of Economic Entomology* 78(2):339-341.
- Zalom, F.G., E.T. Natwick, and N.C. Toscano. 1985. Temperature regulation of *Bemisia tabaci* (Homoptera: Aleyrodidae) populations in Imperial Valley cotton. *Journal of Economic Entomology* 78(1):61-64.
- Natwick, E. T., F.G. Zalom, N.C. Toscano, and K. Kido. 1984. Monitoring of the cotton whitefly *Bemisia tabaci* (Gennadius): Studies in the insect's development and control in cotton. *Proceedings, Beltwide Cotton Production Research Conference* 37:197-202.
- Weakley, C.V., R.E. Rice, and F.G. Zalom. 1984. Monitoring oriental fruit moth development with day-degrees.
- Zalom, F.G., P.B. Goodell, L.T. Wilson, W.W. Barnett and W.J. Bentley. 1984. Degree-days: The calculation and use of heat units in pest management. University of California, Division of Agriculture and Natural Resources, Leaflet 21373. 12 pages.
- Zalom, F.G., C. Weakley, W.W. Barnett, L.C. Hendricks, W. Bentley, and J.H. Connell. 1984. Winter sanitation and early harvest effective against major almond pests. *California Arizona Farm Press* 6(26):9.

- Zalom, F.G. 1984. Proceedings of the 68th Annual Meeting of the Pacific Branch, Entomological Society of America. Bulletin of the Entomological Society of America 30(4):56-57.
- Zalom, F.G., C. Weakley, L.C. Hendricks, W.J. Bentley, W.W. Barnett, and J.H. Connell. 1984. Cultural management of the navel orangeworm by winter sanitation. California Agriculture 38(3-4):28.
- Meyer, R.P., T.L. McKenzie, and F.G. Zalom. 1984. Association of *Mydas xanthopterus* (Loew) (Diptera: Mydidae) and *Pepsis formosa* Say (Hymenoptera: Pompilidae) in the Chiricahua Mountains of southeastern Arizona. Pan-Pacific Entomologist 60(4):357.
- Zalom, F.G., L.T. Wilson, M.A. Hoy, W.W. Barnett, and J.M. Smilanick. 1984. Sampling *Tetranychus* spider mites in almonds. California Agriculture 38(5-6):17-19.
- Summers, C.G., R.E. Garrett, and F.G. Zalom. 1984. A new suction device for sampling arthropod populations. Journal of Economic Entomology. 77(3):817-823.
- Zalom, F.G., W.W. Barnett, and C.V. Weakley. 1984. Efficacy of winter sanitation for managing the navel orangeworm, *Paramyelois transitella* (Walker), in California almond orchards. Protection Ecology 7:37-41.
- Natwick, E.T. and F.G. Zalom. 1984. Surveying sweet potato whitefly in the Imperial Valley. California Agriculture 38:(3-4):11.
- Flint, M.L., K. Klonsky, and F.G. Zalom. 1984. Use of integrated pest management in alfalfa. California Agriculture 38(1-2):28-30.
- Wilson, L.T., M.A. Hoy, F.G. Zalom, and J.M. Smilanick. 1984. Within-tree distribution and clumping pattern of mites with comments on predator-prey interactions. Hilgardia 52(7):1-13.
- Zalom, F.G., M.A. Hoy, L.T. Wilson, and W.W. Barnett. 1984. Presence-absence sequential sampling for web-spinning mites in almonds. Hilgardia 52(7):14-24.
- Pickel, C., R.C. Mount, F.G. Zalom, and L.T. Wilson. 1983. Monitoring aphids on brussels sprouts. California Agriculture 37(5-6):24-25.
- Zalom, F.G. Implementing computer-based pest management programs in California. 1983. American Society of Agricultural Engineers Annual Meeting Papers 83-4043. 8 pages.
- Zalom, F.G., L.T. Wilson, and R. Smith. 1983. Oviposition patterns by several lepidopterous pests on processing tomatoes in California. Environmental Entomology 12(4):1133-1137.
- Wilson, L.T., C. Pickel, R.C. Mount, and F.G. Zalom. 1983. Presence-absence sequential sampling for cabbage aphid and green peach aphid (Homoptera: Apididae) on brussels sprouts. Journal of Economic Entomology 76(3):476-479.
- Zalom, F.G., L.T. Wilson, M.P. Hoffman, W.H. Lange, and C.V. Weakley. 1983. Monitoring lepidopterous pest damage to processing tomatoes. California Agriculture 37(3-4):25-26.
- Wilson, L.T., F.G. Zalom, R. Smith, and M.P. Hoffmann. 1983. Monitoring for fruit damage in processing tomatoes: Use of a dynamic sequential sampling plan. Environmental Entomology 12(3):835-839.
- Smilanick, J.M. and F.G. Zalom. 1983. Eriophyid mites in relation to Kentucky bluegrass seed production. Entomologia Experimentalis et Applicata 33:31-34.
- Zalom, F.G., S.M. Asman, and J.E. Fields. 1981. Tests for multiple insemination of females by irradiated males in *Culex tarsalis*. Mosquito News 42(1):154-156.
- Zalom, F.G., S.M. Asman, and J.E. Fields. 1981. Tests for multiple insemination of females by irradiated males in *Culex tarsalis* in a field cage study. Mosquito News 42(2):230-232.
- Zalom, F.G. and W.S. Cranshaw. 1981. Effects of aluminum foil mulch on parasitism and fecundity of apterous *Myzus persicae* (Sulzer). Great Lakes Entomologist 14(4):171-176.

- Zalom, F.G. 1981. The influence of reflective mulches and lettuce types on the incidence of aster yellow and abundance of its vector, *Macrostelus fascifrons*, in Minnesota. Great Lakes Entomologist 14(3):145-150.
- Zalom, F.G. 1981. Effects of aluminum mulch on fecundity of apterous *Myzus persicae* on head lettuce in a field planting. Entomologia Experimentalis et Applicata 30:227-230.
- Zalom, F.G., S. M. Asman, and R.P. Meyer. 1981. Determining mating ability of irradiated male *Culex tarsalis*. Journal of Medical Entomology 182:167-169.
- Zalom, F.G. 1981. Interactions potentially affecting the seasonal abundance of selected aquatic invertebrates in a rice field habitat. Hydrobiologia 80:251-255.
- Zalom, F.G., A.A. Grigarick, and M.O. Way. 1980. Diel flight periodicities of some Dytiscidae associated with California rice paddies. Ecological Entomology. 5(2):183-187.
- Asman, S.M., F.G. Zalom, and R.P. Meyer. 1980. A field release of irradiated male *Culex tarsalis* in California. Proceedings, California Mosquito Vector Control Association 48:64.
- Asman, S.M., P.T. McDonald, and F.G. Zalom. 1980. Genetic control of mosquitoes. A research on the use of genetic systems for the control of *Culex tarsalis* in California. California Agriculture 34(3):24-25.
- Zalom, F.G., A.A. Grigarick, and M. O. Way. 1980. Habits and relative population densities of some hydrophilids in California rice fields. Hydrobiologia 75:195-200.
- Zalom, F.G. and A.A. Grigarick. 1980. Predation by *Hydrophilus triangularis* Say and *Tropisternus lateralis* (Fabricius) in California rice fields. Annals of the Entomological Society of America 73:167-171.
- Zalom, F.G. and J.M. Smilanick. 1979. New records of *Buenoa* (Hemiptera: Notonectidae) from Peru. Entomological Record 91:204.
- Zalom, F.G., R.P. Meyer, and P.H. Mason. 1979. Sympatric associations of *Systropus* spp. (Diptera: Bombyliidae) and *Ammophila* spp. (Hymenoptera: Sphecidae) in southeastern Arizona. Pan-Pacific Entomologist 55:239-240.
- Meyer, R.P., F.G. Zalom, T.L. McKenzie, and P.H. Mason. 1979. Notes on insects associated with desert broom (*Baccharis sarothroides* Gray) in southeastern Arizona. Southwestern Naturalist 24:603-613.
- Zalom, F.G., A.A. Grigarick, and M.O. Way. 1979. Seasonal and diel flight periodicities of the hydrophilidae of a rice field community in California. Environmental Entomology 8:938-943.
- Zalom, F.G., A.A. Grigarick, and M.O. Way. 1979. Effects of registered rice field pesticides on third instar hydrophilid larvae. Proceedings, California Mosquito and Vector Control Association 47:18-19.
- Zalom, F.G. 1979. Aggregations of the crane fly *Helius flavipes* (Macquart) (Diptera: Tipulidae). Journal of the Kansas Entomological Society 52:553-555.
- Zalom, F.G., A.A. Grigarick, and M.O. Way. 1978. Predation by the larvae of *Tropisternus lateralis* (Fabricius) in California rice fields. Proceedings, California Mosquito and Vector Control Association 46:82-84.
- Zalom, F.G. 1978. Backswimmer prey selection with observations on cannibalism (Hemiptera: Notonectidae). Southwestern Naturalist 23:617-622.
- Zalom, F.G. 1978. A comparison of predation rates and prey handling times of adult *Notonecta* and *Buenoa*. Annals of the Entomology Society of America 71:143-148.

- Alcock, J., E.M. Barrows, G. Gordh, L.J. Hubbard, L. Kirkendahl, T.L. Ponder, D. Pyle, and F.G. Zalom. 1978. The ecology and evolution of male reproductive behavior in the bees and wasps. *Zoological Journal of the Linnean Society of London* 64:293-326.
- Zalom, F.G. 1977. The Notonectidae of Arizona. *Southwestern Naturalist* 22:327-336.
- Zalom, F.G. 1977. A nematomorph parasitizing a backswimmer (Hemiptera: Notonectidae). *American Midland Naturalist* 97:229-230.