# Maurice W Sabelis

List of Publications by Year
in descending order

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132
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5064
citing authors

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plant strategies of manipulating predatorprey interactions through allelochemicals: Prospects for application in pest control. Journal of Chemical Ecology, 1990, 16, 3091-3118. | 1.8 | 608 |
| 2 | How Plants Obtain Predatory Mites as Bodyguards. Animal Biology, 1987, 38, 148-165. | 0.4 | 442 |
| 3 | The Dynamics of Multiple Infection and the Evolution of Virulence. American Naturalist, 1995, 146, 881-910. | 2.1 | 432 |
| 4 | Differential Timing of Spider Mite-Induced Direct and Indirect Defenses in Tomato Plants. Plant Physiology, 2004, 135, 483-495. | 4.8 | 347 |
| 5 | Jasmonic Acid Is a Key Regulator of Spider Mite-Induced Volatile Terpenoid and Methyl Salicylate Emission in Tomato. Plant Physiology, 2004, 135, 2025-2037. | 4.8 | 337 |
| 6 | HABITAT STRUCTURE AFFECTS INTRAGUILD PREDATION. Ecology, 2007, 88, 2713-2719. | 3.2 | 285 |
| 7 | A herbivore that manipulates plant defence. Ecology Letters, 2011, 14, 229-236. | 6.4 | 257 |
| 8 | Herbivore arthropods benefit from vectoring plant viruses. Ecology Letters, 2004, 8, 70-79. | 6.4 | 226 |
| 9 | HOW PLANTS BENEFIT FROM PROVIDING FOOD TO PREDATORS EVEN WHEN IT IS ALSO EDIBLE TO HERBIVORES. Ecology, 2002, 83, 2664-2679. | 3.2 | 206 |
| 10 | Plants protect their roots by alerting the enemies of grubs. Ecology Letters, 2001, 4, 292-294. | 6.4 | 204 |
| 11 | Habitat structure and population persistence in an experimental community. Nature, 2001, 412, 538-543. | 27.8 | 187 |
| 12 | Spider mites suppress tomato defenses downstream of jasmonate and salicylate independently of hormonal crosstalk. New Phytologist, 2015, 205, 828-840. | 7.3 | 169 |
| 13 | Odour-mediated responses of phytophagous mites to conspecific and heterospecific competitors. Oecologia, 1997, 110, 179-185. | 2.0 | 158 |
| 14 | Intraspecific variation in a generalist herbivore accounts for differential induction and impact of host plant defences. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 443-452. | 2.6 | 148 |
| 15 | Review Behaviour and indirect interactions in food webs of plant-inhabiting arthropods. Experimental and Applied Acarology, 1998, 22, 497-521. | 1.6 | 130 |
| 16 | Herbivore-Specific, Density-Dependent Induction of Plant Volatiles: Honest or â€œCry Wolfâ€•Signals?. PLoS ONE, 2010, 5, e12161. | 2.5 | 125 |
| 17 | Volatiles from Psylla-Infested Pear Trees and Their Possible Involvement in Attraction of Anthocorid Predators. Journal of Chemical Ecology, 1997, 23, 2241-2260. | 1.8 | 123 |
| 18 | Phytoseiid predators of whiteflies feed and reproduce on non-prey food sources. Experimental and Applied Acarology, 2003, 31, 15-26. | 1.6 | 118 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Anthocorid predators learn to associate herbivore-induced plant volatiles with presence or absence of prey. Physiological Entomology, 2000, 25, 260-265. | 1.5 | 112 |
| 20 | Pollen subsidies promote whitefly control through the numerical response of predatory mites. BioControl, 2010, 55, 253-260. | 2.0 | 108 |
| 21 | Do plants tap SOS signals from their infested neighbours?. Trends in Ecology and Evolution, 1995, 10, 167-170. | 8.7 | 106 |
| 22 | An ecological cost of plant defence: attractiveness of bitter cucumber plants to natural enemies of herbivores. Ecology Letters, 2002, 5, 377-385. | 6.4 | 102 |
| 23 | Induction of Preference and Performance after Acclimation to Novel Hosts in a Phytophagous Spider Mite: Adaptive Plasticity?. American Naturalist, 2002, 159, 553-565. | 2.1 | 94 |
| 24 | Dietâ€“dependent effects of gut bacteria on their insect host: the symbiosis ofErwiniasp. and western flower thrips. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2171-2178. | 2.6 | 94 |
| 25 | How predatory mites learn to cope with variability in volatile plant signals in the environment of their herbivorous prey. Experimental and Applied Acarology, 2000, 24, 881-895. | 1.6 | 83 |
| 26 | Pest species diversity enhances control of spider mites and whiteflies by a generalist phytoseiid predator. BioControl, 2010, 55, 387-398. | 2.0 | 82 |
| 27 | Defense suppression benefits herbivores that have a monopoly on their feeding site but can backfire within natural communities. BMC Biology, 2014, 12, 98. | 3.8 | 82 |
| 28 | The Milker-Killer Dilemma in Spatially Structured Predator-Prey Interactions. Oikos, 1995, 74, 391. | 2.7 | 80 |
| 29 | Predatory Mite Attraction to Herbivore-induced Plant Odors is not a Consequence of Attraction to Individual Herbivore-induced Plant Volatiles. Journal of Chemical Ecology, 2008, 34, 791-803. | 1.8 | 79 |
| 30 | Analysis of prey preference in phytoseiid mites by using an olfactometer, predation models and electrophoresis. Experimental and Applied Acarology, 1988, 5, 225-241. | 1.6 | 77 |
| 31 | Toxicity of methyl ketones from tomato trichomes to Tetranychus urticae Koch. Experimental and Applied Acarology, 1997, 21, 473-484. | 1.6 | 77 |
| 32 | Interspecific infanticide deters predators. Ecology Letters, 2002, 5, 490-494. | 6.4 | 74 |
| 33 | Beyond Predation: The Zoophytophagous Predator Macrolophus pygmaeus Induces Tomato Resistance against Spider Mites. PLoS ONE, 2015, 10, e0127251. | 2.5 | 74 |
| 34 | Oviposition patterns in a predatory mite reduce the risk of egg predation caused by prey. Ecological Entomology, 2002, 27, 660-664. | 2.2 | 73 |
| 35 | Adaptive learning of host preference in a herbivorous arthropod. Ecology Letters, 2001, 4, 190-195. | 6.4 | 71 |
| 36 | Diet-dependent female choice for males with â€˜good genesâ€™ in a soil predatory mite. Nature, 1999, 401, 581-584. | 27.8 | 70 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Can plants betray the presence of multiple herbivore species to predators and parasitoids? The role of learning in phytochemical information networks. Ecological Research, 2006, 21, 3-8. | 1.5 | 67 |
| 38 | A Herbivorous Mite Down-Regulates Plant Defence and Produces Web to Exclude Competitors. PLoS ONE, 2011, 6, e23757. | 2.5 | 61 |
| 39 | Diet of intraguild predators affects antipredator behavior in intraguild prey. Behavioral Ecology, 2005, 16, 364-370. | 2.2 | 60 |
| 40 | Herbivore benefits from vectoring plant virus through reduction of period of vulnerability to predation. Oecologia, 2008, 156, 797-806. | 2.0 | 58 |
| 41 | Flexible antipredator behaviour in herbivorous mites through vertical migration in a plant. Oecologia, 2002, 132, 143-149. | 2.0 | 56 |
| 42 | Prey attack and predators defend: counterattacking prey trigger parental care in predators. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1929-1933. | 2.6 | 56 |
| 43 | Predator-prey role reversals, juvenile experience and adult antipredator behaviour. Scientific Reports, 2012, 2, 728. | 3.3 | 56 |
| 44 | Kin recognition by the predatory mite Iphiseius degenerans : discrimination among own, conspecific, and heterospecific eggs. Ecological Entomology, 2000, 25, 147-155. | 2.2 | 55 |
| 45 | Do phytoseiid mites select the best prey species in terms of reproductive success?. Experimental and Applied Acarology, 1990, 8, 161-173. | 1.6 | 53 |
| 46 | Improved control capacity of the mite predator Phytoseiulus persimilis (Acari: Phytoseiidae) on tomato. Experimental and Applied Acarology, 1997, 21, 507-518. | 1.6 | 53 |
| 47 | Biological control of an acarine pest by single and multiple natural enemies. Biological Control, 2009, 50, 60-65. | 3.0 | 53 |
| 48 | EVOLUTION OF SPECIALIZATION AND ECOLOGICAL CHARACTER DISPLACEMENT OF HERBIVORES ALONG A GRADIENT OF PLANT QUALITY. Evolution; International Journal of Organic Evolution, 2005, 59, 507-520. | 2.3 | 47 |
| 49 | Alternative food and biological control by generalist predatory mites: the case of Amblyseius swirskii. Experimental and Applied Acarology, 2015, 65, 413-418. | 1.6 | 46 |
| 50 | The benefits of clustering eggs: the role of egg predation and larval cannibalism in a predatory mite. Oecologia, 2002, 131, 20-26. | 2.0 | 45 |
| 51 | Maize plants sprayed with either jasmonic acid or its precursor, methyl linolenate, attract armyworm parasitoids, but the composition of attractants differs. Entomologia Experimentalis Et Applicata, 2008, 129, 189-199. | 1.4 | 44 |
| 52 | Vector and virus induce plant responses that benefit a non-vector herbivore. Basic and Applied Ecology, 2010, 11, 162-169. | 2.7 | 44 |
| 53 | Biological control of aphids in the presence of thrips and their enemies. BioControl, 2013, 58, 45-55. | 2.0 | 44 |
| 54 | Attraction of a generalist predator towards herbivore-infested plants. Entomologia Experimentalis Et Applicata, 1999, 93, 303-312. | 1.4 | 43 |

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|---|---|---|---|
| 55 | HOW VIRULENT SHOULD A PARASITE BE TO ITS VECTOR?. Ecology, 2003, 84, 2568-2574. | 3.2 | 43 |
| 56 | Herbivore-induced Plant Volatiles Trigger Sporulation in Entomopathogenic Fungi: The Case of Neozygites tanajoae Infecting the Cassava Green Mite. Journal of Chemical Ecology, 2005, 31, 1003-1021. | 1.8 | 41 |
| 57 | â€œSleeping with the enemyâ€â€"predator-induced diapause in a mite. Die Naturwissenschaften, 2008, 95, 1195-1198. | 1.6 | 41 |
| 58 | Domatia reduce larval cannibalism in predatory mites. Ecological Entomology, 2008, 33, 374-379. | 2.2 | 41 |
| 59 | Prey preference, intraguild predation and population dynamics of an arthropod food web on plants. Experimental and Applied Acarology, 2001, 25, 785-808. | 1.6 | 40 |
| 60 | Predatory mites avoid ovipositing near counterattacking prey. Experimental and Applied Acarology, 2001, 25, 613-623. | 1.6 | 40 |
| 61 | Ecology meets plant physiology: herbivore-induced plant responses and their indirect effects on arthropod communities. , 2007, , 188-218. |  | 40 |
| 62 | Supplying high-quality alternative prey in the litter increases control of an above-ground plant pest by a generalist predator. Biological Control, 2017, 105, 19-26. | 3.0 | 40 |
| 63 | Morphology of the olfactory system in the predatory mite Phytoseiulus Persimilis. Experimental and Applied Acarology, 2006, 40, 217-229. | 1.6 | 37 |
| 64 | Patterns of exclusion in an intraguild predatorâ€"prey system depend on initial conditions. Journal of Animal Ecology, 2008, 77, 624-630. | 2.8 | 37 |
| 65 | Cross-correlation analysis of fluctuations in local populations of pear psyllids and anthocorid bugs. Ecological Entomology, 1999, 24, 354-363. | 2.2 | 36 |
| 66 | Laboratory tests for controlling poultry red mites (Dermanyssus gallinae) with predatory mites in small â€˜laying henâ€™ cages. Experimental and Applied Acarology, 2012, 58, 371-383. | 1.6 | 36 |
| 67 | Evolution of herbivore-induced plant volatiles. Oikos, 2002, 97, 134-138. | 2.7 | 34 |
| 68 | Population dynamics of thrips prey and their mite predators in a refuge. Oecologia, 2007, 150, 557-568. | 2.0 | 32 |
| 69 | Hyperpredation by generalist predatory mites disrupts biological control of aphids by the aphidophagous gall midge Aphidoletes aphidimyza. Biological Control, 2011, 57, 246-252. | 3.0 | 32 |
| 70 | Leaf domatia reduce intraguild predation among predatory mites. Ecological Entomology, 2011, 36, 435-441. | 2.2 | 32 |
| 71 | To be an intra-guild predator or a cannibal: is prey quality decisive?. Ecological Entomology, 2006, 31, 430-436. | 2.2 | 31 |
| 72 | Does prey preference change as a result of prey species being presented together? Analysis of prey selection by the predatory mite Typhlodromus pyri (Acarina: Phytoseiidae). Oecologia, 1989, 81, 302-309. | 2.0 | 30 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 73 | Vulnerability of Bemisia tabaci immatures to phytoseiid predators: Consequences for oviposition and influence of alternative food. Entomologia Experimentalis Et Applicata, 2004, 110, 95-102. | 1.4 | 30 |
| 74 | Seasonal cycles and persistence in an acarine predator-prey system on cassava in Africa. Population Ecology, 2005, 47, 107-117. | 1.2 | 30 |
| 75 | Adaptive learning in arthropods: spider mites learn to distinguish food quality. Experimental and Applied Acarology, 2003, 30, 233-247. | 1.6 | 29 |
| 76 | Searching behaviour of an omnivorous predator for novel and native host plants of its herbivores: a study on arthropod colonization of eucalyptus in Brazil. Entomologia Experimentalis Et Applicata, 2005, 116, 135-142. | 1.4 | 28 |
| 77 | Active prey mixing as an explanation for polyphagy in predatory arthropods: synergistic dietary effects on egg production despite a behavioural cost. Functional Ecology, 2015, 29, 1317-1324. | 3.6 | 28 |
| 78 | Evolutionary Dynamics of Prey Exploitation in a Metapopulation of Predators. American Naturalist, 2002, 159, 172-189. | 2.1 | 27 |
| 79 | A demonstration of asynchronous local cycles in an acarine predator-prey system. Experimental and Applied Acarology, 1992, 14, 185-199. | 1.6 | 26 |
| 80 | Prey temporarily escape from predation in the presence of a second prey species. Ecological Entomology, 2012, 37, 529-535. | 2.2 | 26 |
| 81 | Absence of odour-mediated avoidance of heterospecific competitors by the predatory mite Phytoseiulus persimilis. Entomologia Experimentalis Et Applicata, 1999, 92, 73-82. | 1.4 | 25 |
| 82 | Cues of intraguild predators affect the distribution of intraguild prey. Oecologia, 2010, 163, 335-340. | 2.0 | 25 |
| 83 | Generalist red velvet mite predator (Balaustium sp.) performs better on a mixed diet. Experimental and Applied Acarology, 2014, 62, 19-32. | 1.6 | 25 |
| 84 | Is arthropod predation exclusively satiation-driven?. Oikos, 2005, 109, 101-116. | 2.7 | 24 |
| 85 | Order of invasion affects the spatial distribution of a reciprocal intraguild predator. Oecologia, 2010, 163, 79-89. | 2.0 | 22 |
| 86 | Maleâ€"male aggression peaks at intermediate relatedness in a social spider mite. Ecology and Evolution, 2013, 3, 2661-2669. | 1.9 | 22 |
| 87 | Sex ratio control in arrhenotokous and pseudo-arrhenotokous mites. , 2002, , 235-253. |  | 21 |
| 88 | Search strategies of fruit flies in steady and shifting winds in the absence of food odours. Physiological Entomology, 1994, 19, 335-341. | 1.5 | 20 |
| 89 | Within-Plant Migration of the Predatory Mite Typhlodromalus aripo from the Apex to the Leaves of Cassava: Response to Dayâ€"Night Cycle, Prey Location and Prey Density. Journal of Insect Behavior, 2009, 22, 186-195. | 0.7 | 20 |
| 90 | Interactions Between Two Neotropical Phytoseiid Predators on Cassava Plants and Consequences for Biological Control of a Shared Spider Mite Prey: a Screenhouse Evaluation. Biocontrol Science and Technology, 2004, 14, 63-76. | 1.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 91 | Impact of plant-provided food on herbivoreâ€“carnivore dynamics. , 2005, , 223-266. |  | 19 |
| 92 | When should a female avoid adding eggs to the clutch of another female? A simultaneous oviposition and sex allocation game. Evolutionary Ecology, 1996, 10, 475-497. | 1.2 | 18 |
| 93 | Title is missing!. Experimental and Applied Acarology, 1998, 22, 455-466. | 1.6 | 18 |
| 94 | Specificity of odour-mediated avoidance of competition in Drosophila parasitoids. Behavioral Ecology and Sociobiology, 1995, 36, 229-235. | 1.4 | 18 |
| 95 | How predatory mites find plants with whitefly prey. Experimental and Applied Acarology, 2005, 36, 263-275. | 1.6 | 17 |
| 96 | Global Persistence Despite Local Extinction in Acarine Predatorâ€Prey Systems: Lessons From Experimental and Mathematical Exercises. Advances in Ecological Research, 2005, , 183-220. | 2.7 | 17 |
| 97 | Does Methyl Salicylate, A Component of Herbivore-induced Plant Odour, Promote Sporulation of the Mite-pathogenic Fungus Neozygites tanajoae?. Experimental and Applied Acarology, 2006, 39, 63-74. | 1.6 | 17 |
| 98 | The predatory mite Typhlodromalus aripo prefers green-mite induced plant odours from pubescent cassava varieties. Experimental and Applied Acarology, 2012, 58, 359-370. | 1.6 | 17 |
| 99 | Intraguild predation among plant pests: western flower thrips larvae feed on whitefly crawlers. BioControl, 2012, 57, 533-539. | 2.0 | 16 |
| 100 | Meta-analysis of laboratory experiments on plantâ€“plant information transfer. Biochemical Systematics and Ecology, 2001, 29, 1089-1102. | 1.3 | 15 |
| 101 | Title is missing!. Journal of Chemical Ecology, 1999, 25, 2177-2191. | 1.8 | 13 |
| 102 | Size of predatory mites and refuge entrance determine success of biological control of the coconut mite. BioControl, 2016, 61, 681-689. | 2.0 | 12 |
| 103 | Why do males choose heterospecific females in the red spider mite?. Experimental and Applied Acarology, 2016, 68, 21-31. | 1.6 | 11 |
| 104 | Fitness consequences of food-for-protection strategies in plants. , 2005, , 109-134. |  | 10 |
| 105 | Response of Predatory Mites to a Herbivore-Induced Plant Volatile: Genetic Variation for Context-Dependent Behaviour. Journal of Chemical Ecology, 2010, 36, 680-688. | 1.8 | 10 |
| 106 | Intraspecific variation in induction of feeding preference and performance in a herbivorous mite. Experimental and Applied Acarology, 2003, 29, 13-25. | 1.6 | 9 |
| 107 | State-dependent and odor-mediated anemotactic responses of a micro-arthropod on a novel type of locomotion compensator. Behavior Research Methods, 2003, 35, 478-482. | 1.3 | 9 |
| 108 | Trophic structure of arthropods in Starling nests matter to blood parasites and thereby to nestling development. Journal of Ornithology, 2012, 153, 913-919. | 1.1 | 9 |

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|---|---|---|---|
| 109 | Predatory interactions between prey affect patch selection by predators. Behavioral Ecology and Sociobiology, 2017, 71, 66. | 1.4 | 9 |
| 110 | Evolution of talking plants in a tritrophic context: Conditions for uninfested plants to attract predators prior to herbivore attack. Journal of Theoretical Biology, 2006, 243, 361-374. | 1.7 | 8 |
| 111 | No adaptation of a herbivore to a novel host but loss of adaptation to its native host. Scientific Reports, 2015, 5, 16211. | 3.3 | 8 |
| 112 | Plant Resources as a Factor Altering Emergent Multi-Predator Effects. PLoS ONE, 2015, 10, e0138764. | 2.5 | 8 |
| 113 | INFERRING COLONIZATION PROCESSES FROM POPULATION DYNAMICS IN SPATIALLY STRUCTURED PREDATORâ€“PREY SYSTEMS. Ecology, 2000, 81, 3350-3361. | 3.2 | 7 |
| 114 | Distribution and oviposition site selection by predatory mites in the presence of intraguild predators. Experimental and Applied Acarology, 2015, 67, 477-491. | 1.6 | 7 |
| 115 | Spatial patterns generated by simultaneous cooperation and exploitation favour the evolution of altruism. Journal of Theoretical Biology, 2018, 441, 58-67. | 1.7 | 7 |
| 116 | Do herbivore-induced plant volatiles influence predator migration and local dynamics of herbivorous and predatory mites?. , 2000, 24, 427-440. |  | 6 |
| 117 | Resistance to 2-tridecanone in Tetranychus urticae: effects of induced resistance, cross-resistance and heritability. Experimental and Applied Acarology, 2001, 25, 717-730. | 1.6 | 6 |
| 118 | Parasitoids follow herbivorous insects to a novel host plant, generalist predators less so. Entomologia Experimentalis Et Applicata, 2017, 162, 261-271. | 1.4 | 6 |
| 119 | The Impact of Induced Plant Volatiles on Plant-Arthropod Interactions. , 2012, , 15-73. |  | 5 |
| 120 | The role of web sharing, species recognition and host-plant defence in interspecific competition between two herbivorous mite species. Experimental and Applied Acarology, 2016, 70, 261-274. | 1.6 | 5 |
| 121 | Joining or opting out of a Lotkaâ€“Volterra game between predators and prey: does the best strategy depend on modelling energy lost and gained?. Interface Focus, 2013, 3, 20130034. | 3.0 | 4 |
| 122 | Effects of kinship or familiarity? Small thrips larvae experience lower predation risk only in groups of mixed-size siblings. Behavioral Ecology and Sociobiology, 2014, 68, 1029-1035. | 1.4 | 4 |
| 123 | State-dependent and odour-mediated anemotactic responses of the predatory mite Phytoseiulus persimilis in a wind tunnel. Experimental and Applied Acarology, 2004, 32, 263-270. | 1.6 | 3 |
| 124 | Predation risk affects diapause induction in the spider mite Tetranychus urticae. Experimental and Applied Acarology, 2004, 34, 307-314. | 1.6 | 3 |
| 125 | Females as intraguild predators of males in cross-pairing experiments with phytoseiid mites. Experimental and Applied Acarology, 2013, 61, 173-182. | 1.6 | 3 |
| 126 | Alternative models of familiarity and false claims concerning social recognition systems. Behavioral Ecology and Sociobiology, 2014, 68, 1563-1563. | 1.4 | 3 |

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|---|---|---|---|
| 127 | The interplay between genetic and learned components of behavioral traits. Journal of Plant Interactions, 2011, 6, 77-80. | 2.1 | 2 |
| 128 | Antipredator responses to alarm pheromone in groups of young and/or old thrips larvae. Ethology, 2019, 125, 73-81. | 1.1 | 2 |
| 129 | Cry-wolf signals emerging from coevolutionary feedbacks in a tritrophic system. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152169. | 2.6 | 1 |
| 130 | Why do Varroa mites invade worker brood cells of the honey bee despite lower reproductive success?. Behavioral Ecology and Sociobiology, 1995, 36, 283-289. | 1.4 | 1 |
| 131 | Editorial 2013. Experimental and Applied Acarology, 2013, 59, 389-390. | 1.6 | 0 |
| 132 | Editorial 2014. Experimental and Applied Acarology, 2014, 62, 423-424. | 1.6 | 0 |