# Neonicotinoid Pesticide Reduces Bumble Bee Colony Gr

Science

336, 351-352

DOI: 10.1126/science.1215025

Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | DRUGGED BEES GO MISSING. Journal of Experimental Biology, 2012, 215, iv-iv. | 0.8 | 0 |
| 2 | Seasonal Flight, Optimal Timing and Efficacy of Selected Insecticides for Cabbage Maggot (Delia) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.0 | 11 |
| 3 | Movement of Soil-Applied Imidacloprid and Thiamethoxam into Nectar and Pollen of Squash (Cucurbita pepo). PLoS ONE, 2012, 7, e39114. | 1.1 | 198 |
| 4 | Explaining neoclassical economists' pro-growth agenda: does the popular Solow growth model bias economic analysis?. International Journal of Pluralism and Economics Education, 2012, 3, 40. | 0.0 | 4 |
| 5 | Statement on the findings in recent studies investigating subâ€lethal effects in bees of some neonicotinoids in consideration of the uses currently authorised in Europe. EFSA Journal, 2012, 10, 2752. | 0.9 | 56 |
| 6 | Scientific Opinion on the science behind the development of a risk assessment of Plant Protection Products on bees (Apis mellifera,Bombusspp. and solitary bees). EFSA Journal, 2012, 10, 2668. | 0.9 | 147 |
| 7 | Differential sensitivity of honey bees and bumble bees to a dietary insecticide (imidacloprid). Zoology, 2012, 115, 365-371. | 0.6 | 128 |
| 8 | Protecting the Environment and Public Health from Pesticides. Environmental Science & Technology, 2012, 46, 5658-5659. | 4.6 | 24 |
| 9 | Effects of imidacloprid, a neonicotinoid pesticide, on reproduction in worker bumble bees (Bombus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 3.1 | 193 |
| 10 | Combined pesticide exposure severely affects individual- and colony-level traits in bees. Nature, 2012, 491, 105-108. | 13.7 | 759 |
| 11 | Towards Integrated Pest Management in Red Clover Seed Production. Journal of Economic Entomology, 2012, 105, 1620-1628. | 0.8 | 22 |
| 12 | Strip-based immunoassay for the simultaneous detection of the neonicotinoid insecticides imidacloprid and thiamethoxam in agricultural products. Talanta, 2012, 101, 85-90. | 2.9 | 43 |
| 13 | Bumblebees and pesticides. Nature, 2012, 491, 43-45. | 13.7 | 53 |
| 14 | The influence of climate change on the global distribution and fate processes of anthropogenic persistent organic pollutants. Journal of Environmental Monitoring, 2012, 14, 2854. | 2.1 | 119 |
| 15 | Impaired Olfactory Associative Behavior of Honeybee Workers Due to Contamination of Imidacloprid in the Larval Stage. PLoS ONE, 2012, 7, e49472. | 1.1 | 140 |
| 16 | The buzz about pesticides. Nature, 0, , . | 13.7 | 0 |
| 17 | Inventory of EFSA's activities on bees. EFSA Supporting Publications, 2012, 9, 358E. | 0.3 | 2 |
| 18 | Sub-lethal effects of thiamethoxam, a neonicotinoid pesticide, and propiconazole, a DMI fungicide, on colony initiation in bumblebee (Bombus terrestris) micro-colonies. Apidologie, 2013, 44, 563-574. | 0.9 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effect of Widespread Agricultural Chemical Use on Butterfly Diversity across Turkish Provinces. Conservation Biology, 2013, 27, 1439-1448. | 2.4 | 10 |
| 20 | REVIEW: An overview of the environmental risks posed by neonicotinoid insecticides. Journal of Applied Ecology, 2013, 50, 977-987. | 1.9 | 1,284 |
| 21 | Combined effects of global change pressures on animal-mediated pollination. Trends in Ecology and Evolution, 2013, 28, 524-530. | 4.2 | 320 |
| 22 | Cellular Mechanisms of Neuronal Plasticity in the Honeybee Brain. Handbook of Behavioral Neuroscience, 2013, , 467-477. | 0.7 | 1 |
| 23 | Imidacloprid induces changes in the structure, genetic diversity and catabolic activity of soil microbial communities. Journal of Environmental Management, 2013, 131, 55-65. | 3.8 | 86 |
| 24 | Networking Agroecology. Advances in Ecological Research, 2013, , 1-67. | 1.4 | 50 |
| 25 | Surfaceâ€enhanced Raman spectra of the neonicotinoid pesticide thiacloprid. Journal of Raman Spectroscopy, 2013, 44, 1126-1135. | 1.2 | 21 |
| 26 | Diesel exhaust rapidly degrades floral odours used by honeybees. Scientific Reports, 2013, 3, 2779. | 1.6 | 93 |
| 27 | Wildlife Ecotoxicology of Pesticides: Can We Track Effects to the Population Level and Beyond?. Science, 2013, 341, 759-765. | 6.0 | 658 |
| 28 | Alleviating the Reference Standard Dilemma Using a Systematic Exact Mass Suspect Screening Approach with Liquid Chromatography-High Resolution Mass Spectrometry. Analytical Chemistry, 2013, 85, 10312-10320. | 3.2 | 153 |
| 29 | Neonicotinoids, bee disorders and the sustainability of pollinator services. Current Opinion in Environmental Sustainability, 2013, 5, 293-305. | 3.1 | 352 |
| 30 | Pathogens, Pests, and Economics: Drivers of Honey Bee Colony Declines and Losses. EcoHealth, 2013, 10, 434-445. | 0.9 | 187 |
| 31 | Conservation of Tropical Plant Biodiversity: What Have We Done, Where Are We Going?. Biotropica, 2013, 45, 693-708. | 0.8 | 30 |
| 32 | UHPLC-DAD method for the determination of neonicotinoid insecticides in single bees and its relevance in honeybee colony loss investigations. Analytical and Bioanalytical Chemistry, 2013, 405, 1007-1014. | 1.9 | 30 |
| 33 | Response to Stevens and Jenkinsâ€™ pesticide impacts on bumblebees: a missing piece. Conservation Letters, 2013, 6, 215-216. | 2.8 | 1 |
| 34 | Chronic sublethal stress causes bee colony failure. Ecology Letters, 2013, 16, 1463-1469. | 3.0 | 175 |
| 35 | Neonicotinoids and bees: What's all the buzz?. Significance, 2013, 10, 6-11. | 0.3 | 10 |
| 36 | Pesticideâ€laden dust emission and drift from treated seeds during seed drilling: a review. Pest Management Science, 2013, 69, 564-575. | 1.7 | 108 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A neurotoxic pesticide changes the outcome of aggressive interactions between native and invasive ants. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20132157. | 1.2 | 42 |
| 38 | Present and Potential use of Bees as Managed Pollinators in Mexico<sup>1</sup>. Southwestern Entomologist, 2013, 38, 133-148. | 0.1 | 11 |
| 39 | A potential link among biogenic amines-based pesticides, learning and memory, and colony collapse disorder: A unique hypothesis. Neurochemistry International, 2013, 62, 122-136. | 1.9 | 96 |
| 40 | Resource diversity and landscape-level homogeneity drive native bee foraging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 555-558. | 3.3 | 213 |
| 41 | Mainstreaming ecosystem services into EU policy. Current Opinion in Environmental Sustainability, 2013, 5, 128-134. | 3.1 | 85 |
| 42 | Exposure to multiple cholinergic pesticides impairs olfactory learning and memory in honeybees. Journal of Experimental Biology, 2013, 216, 1799-807. | 0.8 | 245 |
| 43 | The lethal and sublethal effects of three pesticides on the striped lynx spider (<i><scp>O</scp>xyopes) Tj ETQq0 0 0 rgBT /Overlock 10 | 0.8 | 17 |
| 44 | Pesticide impacts on bumblebee decline: a missing piece. Conservation Letters, 2013, 6, 213-214. | 2.8 | 2 |
| 45 | Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees. Nature Communications, 2013, 4, 1634. | 5.8 | 215 |
| 46 | Progress on entomopathogenic nematology research: A bibliometric study of the last three decades: 1980â€“2010. Biological Control, 2013, 66, 102-124. | 1.4 | 46 |
| 47 | Threats to an ecosystem service: pressures on pollinators. Frontiers in Ecology and the Environment, 2013, 11, 251-259. | 1.9 | 980 |
| 48 | Microbial symbionts of honeybees: a promising tool to improve honeybee health. New Biotechnology, 2013, 30, 716-722. | 2.4 | 53 |
| 49 | Emerging dangers: Deadly effects of an emergent parasite in a new pollinator host. Journal of Invertebrate Pathology, 2013, 114, 114-119. | 1.5 | 127 |
| 50 | Diastereoselective Metabolism of a Novel Cis-Nitromethylene Neonicotinoid Paichongding in Aerobic Soils. Environmental Science & Technology, 2013, 47, 10389-10396. | 4.6 | 34 |
| 51 | Wild Bees Visiting Cucumber on Midwestern U.S. Organic Farms Benefit From Near-Farm Semi-Natural Areas. Journal of Economic Entomology, 2013, 106, 97-106. | 0.8 | 11 |
| 52 | Are pesticides the most important cause of colony losses?. Bee World, 2013, 90, 38-39. | 0.3 | 0 |
| 53 | Natural Product-Based Biopesticides for Insect Control. , 2013, , . | | 21 |
| 54 | Biomonitoring of Bees as Bioindicators. Bee World, 2013, 90, 61-63. | 0.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | ECOSYSTEM SERVICES AND THE PROTECTION, RESTORATION, AND MANAGEMENT OF ECOSYSTEMS EXPOSED TO CHEMICAL STRESSORS. Environmental Toxicology and Chemistry, 2013, 32, 974-983. | 2.2 | 33 |
| 56 | The Neonicotinoid Insecticide Imidacloprid Repels Pollinating Flies and Beetles at Field-Realistic Concentrations. PLoS ONE, 2013, 8, e54819. | 1.1 | 56 |
| 57 | Monitoring agricultural ecosystems by using wildÂbeesÂas environmental indicators. BioRisk, 0, 8, 53-71. | 0.2 | 24 |
| 58 | The risk of insecticides to pollinating insects. Communicative and Integrative Biology, 2013, 6, e25074. | 0.6 | 19 |
| 59 | Transient Exposure to Low Levels of Insecticide Affects Metabolic Networks of Honeybee Larvae. PLoS ONE, 2013, 8, e68191. | 1.1 | 108 |
| 60 | Quantifying the impacts of bioenergy crops on pollinating insect abundance and diversity: a fieldâ€scale evaluation reveals taxonâ€specific responses. Journal of Applied Ecology, 2013, 50, 335-344. | 1.9 | 77 |
| 61 | Identifying key knowledge needs for evidenceâ€based conservation of wild insect pollinators: a collaborative crossâ€sectoral exercise. Insect Conservation and Diversity, 2013, 6, 435-446. | 1.4 | 61 |
| 62 | USE OF PRIMARY CULTURES OF KENYON CELLS FROM BUMBLEBEE BRAINS TO ASSESS PESTICIDE SIDE EFFECTS. Archives of Insect Biochemistry and Physiology, 2013, 84, 43-56. | 0.6 | 11 |
| 63 | Pesticide hazard trends in orchard fruit production in Great Britain from 1992 to 2008: a timeâ€series analysis. Pest Management Science, 2013, 69, 768-774. | 1.7 | 10 |
| 64 | Neonicotinoid clothianidin adversely affects insect immunity and promotes replication of a viral pathogen in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18466-18471. | 3.3 | 531 |
| 65 | Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid. EFSA Journal, 2013, 11, 3068. | 0.9 | 79 |
| 66 | Evaluation of the FERA study on bumble bees and consideration of its potential impact on the EFSA conclusions on neonicotinoids. EFSA Journal, 2013, 11, 3242. | 0.9 | 8 |
| 67 | Guidance on the risk assessment of plant protection products on bees (Apis mellifera, Bombus spp. and) Tj ETQq0 0 0 rgBT /Overlock 10 | 0.9 | 377 |
| 68 | The Science, Law and Policy of Neonicotinoids and Bees: A New Test Case for the Precautionary Principle. European Journal of Risk Regulation, 2013, 4, 191-207. | 0.8 | 14 |
| 69 | Chemical and natural stressors combined: from cryptic effects to population extinction. Scientific Reports, 2013, 3, 2036. | 1.6 | 65 |
| 70 | Ecological Variation in Response to Mass-Flowering Oilseed Rape and Surrounding Landscape Composition by Members of a Cryptic Bumblebee Complex. PLoS ONE, 2013, 8, e65516. | 1.1 | 16 |
| 71 | Crop Pollination Exposes Honey Bees to Pesticides Which Alters Their Susceptibility to the Gut Pathogen Nosema ceranae. PLoS ONE, 2013, 8, e70182. | 1.1 | 364 |
| 72 | The Effect of Olfactory Exposure to Non-Insecticidal Agrochemicals on Bumblebee Foraging Behavior. PLoS ONE, 2013, 8, e76273. | 1.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A Four-Year Field Program Investigating Long-Term Effects of Repeated Exposure of Honey Bee Colonies to Flowering Crops Treated with Thiamethoxam. PLoS ONE, 2013, 8, e77193. | 1.1 | 168 |
| 74 | Repression and Recuperation of Brood Production in Bombus terrestris Bumble Bees Exposed to a Pulse of the Neonicotinoid Pesticide Imidacloprid. PLoS ONE, 2013, 8, e79872. | 1.1 | 46 |
| 75 | Widespread Occurrence of Chemical Residues in Beehive Matrices from Apiaries Located in Different Landscapes of Western France. PLoS ONE, 2013, 8, e67007. | 1.1 | 132 |
| 76 | Assessing homing failure in honeybees exposed to pesticides: Guez's (2013) criticism illustrates pitfalls and challenges. Frontiers in Physiology, 2013, 4, 352. | 1.3 | 3 |
| 77 | Resistance to sap-sucking insects in modern-day agriculture. Frontiers in Plant Science, 2013, 4, 222. | 1.7 | 19 |
| 78 | Linking Land Cover Data and Crop Yields for Mapping and Assessment of Pollination Services in Europe. Land, 2013, 2, 472-492. | 1.2 | 97 |
| 79 | How to conserve biodiversity in a nonequilibrium world. , 0, , 393-406. | | 1 |
| 80 | Europe debates risk to bees. Nature, 2013, 496, 408-408. | 13.7 | 29 |
| 81 | Insecticide Resistence of Bumblebee Species. , 2013, , . | | 0 |
| 82 | Pesticides: Environmental Impacts and Management Strategies. , 0, , . | | 127 |
| 83 | Widespread Use and Frequent Detection of Neonicotinoid Insecticides in Wetlands of Canada's Prairie Pothole Region. PLoS ONE, 2014, 9, e92821. | 1.1 | 269 |
| 84 | Environmental Fate of Soil Applied Neonicotinoid Insecticides in an Irrigated Potato Agroecosystem. PLoS ONE, 2014, 9, e97081. | 1.1 | 84 |
| 85 | Imidacloprid Alters Foraging and Decreases Bee Avoidance of Predators. PLoS ONE, 2014, 9, e102725. | 1.1 | 77 |
| 86 | Impact of Chronic Neonicotinoid Exposure on Honeybee Colony Performance and Queen Supersedure. PLoS ONE, 2014, 9, e103592. | 1.1 | 182 |
| 87 | Neonicotinoid-Contaminated Puddles of Water Represent a Risk of Intoxication for Honey Bees. PLoS ONE, 2014, 9, e108443. | 1.1 | 106 |
| 88 | <strong>The bumblebees of North China (Apidae, <em>Bombus</em>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | 0.2 | 61 |
| 89 | Assessing and monitoring impacts of genetically modified plants on agro-ecosystems: the approach of AMIGA project. Entomologia, 2014, , . | 1.0 | 11 |
| 90 | Honeybee immunity and colony losses. Entomologia, 2014, , . | 1.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Outcome of the peer review of bee study protocols submitted by Bayer CropScience AG to assess the effects of imidacloprid on bees. EFSA Supporting Publications, 2014, 11, 601E. | 0.3 | 0 |
| 92 | Like a Canary in the Coal Mine: Behavioral Change as an Early Warning Sign of Neurotoxicological Damage. , 0, , . | | 1 |
| 93 | Protecting the small majority: insect conservation in Australia and New Zealand. , 0, , 278-297. | | 1 |
| 94 | Insect Acetylcholinesterase as a Target for Effective and Environmentally Safe Insecticides. Advances in Insect Physiology, 2014, , 435-494. | 1.1 | 21 |
| 95 | Chronic impairment of bumblebee natural foraging behaviour induced by sublethal pesticide exposure. Functional Ecology, 2014, 28, 1459-1471. | 1.7 | 220 |
| 96 | Electrochemical study of the fungicide acibenzolar-s-methyl and its voltammetric determination in environmental samples. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 550-556. | 0.7 | 14 |
| 97 | The dose makes the poison: have â€œfield realisticâ€•rates of exposure of bees to neonicotinoid insecticides been overestimated in laboratory studies?. Journal of Apicultural Research, 2014, 53, 607-614. | 0.7 | 115 |
| 98 | Insecticide Use in Hybrid Onion Seed Production Affects Pre- and Postpollination Processes. Journal of Economic Entomology, 2014, 107, 29-37. | 0.8 | 12 |
| 99 | Sublethal neonicotinoid insecticide exposure reduces solitary bee reproductive success. Agricultural and Forest Entomology, 2014, 16, 119-128. | 0.7 | 154 |
| 100 | Challenges of Biopesticides Under the European Regulation (EC) No. 1107/2009. Studies in Natural Products Chemistry, 2014, 43, 437-482. | 0.8 | 18 |
| 101 | Influence of combined pesticide and parasite exposure on bumblebee colony traits in the laboratory. Journal of Applied Ecology, 2014, 51, 450-459. | 1.9 | 94 |
| 102 | Impact of chronic exposure to a pyrethroid pesticide on bumblebees and interactions with a trypanosome parasite. Journal of Applied Ecology, 2014, 51, 460-469. | 1.9 | 54 |
| 103 | The sudden collapse of pollinator communities. Ecology Letters, 2014, 17, 350-359. | 3.0 | 213 |
| 104 | Management of Whitefly-Transmitted Viruses in Open-Field Production Systems. Advances in Virus Research, 2014, 90, 147-206. | 0.9 | 70 |
| 105 | On the natural history of neonicotinoids and bees. Functional Ecology, 2014, 28, 1311-1312. | 1.7 | 3 |
| 106 | Comparison of two molecular diagnostic tools for the quantification of <scp>C</scp>rithidia bombi, a parasite of bumblebees. Entomologia Experimentalis Et Applicata, 2014, 150, 191-197. | 0.7 | 3 |
| 107 | A large-scale field study examining effects of exposure to clothianidin seed-treated canola on honey bee colony health, development, and overwintering success. PeerJ, 2014, 2, e652. | 0.9 | 109 |
| 108 | A restatement of the natural science evidence base concerning neonicotinoid insecticides and insect pollinators. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140558. | 1.2 | 308 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Pesticide Residues and Bees â€“ A Risk Assessment. PLoS ONE, 2014, 9, e94482. | 1.1 | 615 |
| 110 | Effects of the neonicotinoid pesticide thiamethoxam at field-realistic levels on microcolonies of Bombus terrestris worker bumble bees. Ecotoxicology and Environmental Safety, 2014, 100, 153-158. | 2.9 | 85 |
| 111 | Responses of plants, earthworms, spiders and bees to geographic location, agricultural management and surrounding landscape in European arable fields. Agriculture, Ecosystems and Environment, 2014, 186, 124-134. | 2.5 | 44 |
| 112 | Clearance of ingested neonicotinoid pesticide (imidacloprid) in honey bees (Apis mellifera) and bumblebees (Bombus terrestris). Pest Management Science, 2014, 70, 332-337. | 1.7 | 100 |
| 113 | Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency. Ecotoxicology, 2014, 23, 317-323. | 1.1 | 218 |
| 114 | A meta-analysis comparing the sensitivity of bees to pesticides. Ecotoxicology, 2014, 23, 324-334. | 1.1 | 279 |
| 115 | Commercial bumblebee hives to assess an anthropogenic environment for pollinator support: a case study in the region of Ghent (Belgium). Environmental Monitoring and Assessment, 2014, 186, 2357-2367. | 1.3 | 23 |
| 116 | Closing yield gaps: perils and possibilities for biodiversity conservation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20120285. | 1.8 | 88 |
| 117 | Bumblebees are not deterred by ecologically relevant concentrations of nectar toxins. Journal of Experimental Biology, 2014, 217, 1620-5. | 0.8 | 68 |
| 118 | Characterization of Novel Virulent Broad-Host-Range Phages of Xylella fastidiosa and Xanthomonas. Journal of Bacteriology, 2014, 196, 459-471. | 1.0 | 77 |
| 119 | Methods and tools for sustainable process design. Current Opinion in Chemical Engineering, 2014, 6, 69-74. | 3.8 | 33 |
| 120 | Honey bees, neonicotinoids and bee incident reports: the Canadian situation. Pest Management Science, 2014, 70, 779-783. | 1.7 | 34 |
| 121 | Bioefficacy of the triterpenoid friedelin against Helicoverpa armigera (Hub.) and Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). Pest Management Science, 2014, 70, 1877-1883. | 1.7 | 28 |
| 122 | Neonicotinoid concentrations in arable soils after seed treatment applications in preceding years. Pest Management Science, 2014, 70, 1780-1784. | 1.7 | 125 |
| 123 | A field study examining the effects of exposure to neonicotinoid seed-treated corn on commercial bumble bee colonies. Ecotoxicology, 2014, 23, 1755-1763. | 1.1 | 56 |
| 124 | The trouble with neonicotinoids. Science, 2014, 346, 806-807. | 6.0 | 169 |
| 125 | Efficacy of insecticide residues on adult Halyomorpha halys (StÃ¥l) (Hemiptera: Pentatomidae) mortality and injury in apple and peach orchards. Pest Management Science, 2014, 70, 1097-1104. | 1.7 | 74 |
| 126 | Dynamics and Predation Efficiency ofChrysoperla externa(Neuroptera: Chrysopidae) onEnneothrips flavens(Thysanoptera: Thripidae). Florida Entomologist, 2014, 97, 653-658. | 0.2 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Variation in gut microbial communities and its association with pathogen infection in wild bumble bees (Bombus). ISME Journal, 2014, 8, 2369-2379. | 4.4 | 193 |
| 128 | Potential Exposure of Pollinators to Neonicotinoid Insecticides from the Use of Insecticide Seed Treatments in the Mid-Southern United States. Environmental Science & Technology, 2014, 48, 9762-9769. | 4.6 | 123 |
| 129 | Crop-Emptying Rate and the Design of Pesticide Risk Assessment Schemes in the Honey Bee and Wild Bees (Hymenoptera: Apidae). Journal of Economic Entomology, 2014, 107, 38-46. | 0.8 | 10 |
| 130 | Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA. Environmental Pollution, 2014, 193, 189-196. | 3.7 | 297 |
| 131 | Lethal and Sublethal Effects of Imidacloprid, After Chronic Exposure, On the Insect Model Drosophila melanogaster. Environmental Science & Technology, 2014, 48, 4096-4102. | 4.6 | 57 |
| 132 | How a Complete Pesticide Screening Changes the Assessment of Surface Water Quality. Environmental Science & Technology, 2014, 48, 5423-5432. | 4.6 | 292 |
| 133 | Fifty Years Since Silent Spring. Annual Review of Phytopathology, 2014, 52, 377-402. | 3.5 | 59 |
| 134 | Neonikotinoide â€“ Wie eine Wirkstoffgruppe die Entwicklung einer In-vitro-Larventestmethode fÃ¼r Honigbienen fÃ¶rdert. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2014, 9, 97-99. | 0.5 | 1 |
| 135 | Declines in insectivorous birds are associated with high neonicotinoid concentrations. Nature, 2014, 511, 341-343. | 13.7 | 761 |
| 136 | Pesticide risk assessment in free-ranging bees is weather and landscape dependent. Nature Communications, 2014, 5, 4359. | 5.8 | 44 |
| 137 | Novel biopesticide based on a spider venom peptide shows no adverse effects on honeybees. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140619. | 1.2 | 44 |
| 138 | Determination of nonylphenol ethoxylate and octylphenol ethoxylate surfactants in beehive samples by high performance liquid chromatography coupled to mass spectrometry. Food Chemistry, 2014, 158, 473-479. | 4.2 | 26 |
| 139 | Trials for the possible new controlling techniques as countermeasures against insecticide resistant vector mosquitoes. Medical Entomology and Zoology, 2014, 65, 45-59. | 0.0 | 0 |
| 140 | Superorganism resilience: eusociality and susceptibility of ecosystem service providing insects to stressors. Current Opinion in Insect Science, 2015, 12, 109-112. | 2.2 | 105 |
| 141 | Bumble Bees (Hymenoptera: Apidae) of Oklahoma: Past and Present Biodiversity. Journal of the Kansas Entomological Society, 2015, 88, 418. | 0.1 | 11 |
| 142 | Molecular tools and bumble bees: revealing hidden details of ecology and evolution in a model system. Molecular Ecology, 2015, 24, 2916-2936. | 2.0 | 64 |
| 143 | Impact of imidacloprid on new queens of imported fire ants, Solenopsis invicta (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 10 | 1.6 | 19 |
| 144 | Field populations of native Indian honey bees from pesticide intensive agricultural landscape show signs of impaired olfaction. Scientific Reports, 2015, 5, 12504. | 1.6 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | The combined effect of clothianidin and environmental stress on the behavioral and reproductive function in male mice. Journal of Veterinary Medical Science, 2015, 77, 1207-1215. | 0.3 | 64 |
| 146 | Neonicotinoid pesticides severely affect honey bee queens. Scientific Reports, 2015, 5, 14621. | 1.6 | 190 |
| 147 | Evidence for pollinator cost and farming benefits of neonicotinoid seed coatings on oilseed rape. Scientific Reports, 2015, 5, 12574. | 1.6 | 61 |
| 148 | Bumblebee learning and memory is impaired by chronic exposure to a neonicotinoid pesticide. Scientific Reports, 2015, 5, 16508. | 1.6 | 141 |
| 149 | Neonicotinoids and the prevalence of parasites and disease in bees. Bee World, 2015, 92, 34-40. | 0.3 | 8 |
| 150 | Insecticides. , 0, , 859-876. | | 1 |
| 151 | Probiotic lactobacilli: a potential prophylactic treatment for reducing pesticide absorption in humans and wildlife. Beneficial Microbes, 2015, 6, 841-847. | 1.0 | 48 |
| 152 | Does ingestion of neem-contaminated diet cause mortality of honey bee larvae and foragers?. Journal of Apicultural Research, 2015, 54, 405-410. | 0.7 | 6 |
| 153 | Pesticide use within a pollinator-dependent crop has negative effects on the abundance and species richness of sweat bees, Lasioglossum spp., and on bumble bee colony growth. Journal of Insect Conservation, 2015, 19, 999-1010. | 0.8 | 33 |
| 154 | Ecological traits affect the sensitivity of bees to landâ€use pressures in <scp>E</scp>uropean agricultural landscapes. Journal of Applied Ecology, 2015, 52, 1567-1577. | 1.9 | 127 |
| 155 | Changes in plant lifeâ€form, pollination syndrome and breeding system at a regional scale promoted by land use intensity. Diversity and Distributions, 2015, 21, 1319-1328. | 1.9 | 10 |
| 156 | Evidence for habitat and climatic specializations driving the longâ€term distribution trends of <scp>UK</scp> and <scp>I</scp>rish bumblebees. Diversity and Distributions, 2015, 21, 864-875. | 1.9 | 25 |
| 157 | Colonies of Bumble Bees (Bombus impatiens) Produce Fewer Workers, Less Bee Biomass, and Have Smaller Mother Queens Following Fungicide Exposure. Insects, 2015, 6, 478-488. | 1.0 | 82 |
| 158 | Deep Sequencing and Ecological Characterization of Gut Microbial Communities of Diverse Bumble Bee Species. PLoS ONE, 2015, 10, e0118566. | 1.1 | 22 |
| 159 | Soil-Applied Imidacloprid Translocates to Ornamental Flowers and Reduces Survival of Adult Coleomegilla maculata, Harmonia axyridis, and Hippodamia convergens Lady Beetles, and Larval Danaus plexippus and Vanessa cardui Butterflies. PLoS ONE, 2015, 10, e0119133. | 1.1 | 62 |
| 160 | 16S rRNA Amplicon Sequencing Demonstrates that Indoor-Reared Bumblebees (Bombus terrestris) Harbor a Core Subset of Bacteria Normally Associated with the Wild Host. PLoS ONE, 2015, 10, e0125152. | 1.1 | 51 |
| 161 | Effects of Fungicide and Adjuvant Sprays on Nesting Behavior in Two Managed Solitary Bees, Osmia lignaria and Megachile rotundata. PLoS ONE, 2015, 10, e0135688. | 1.1 | 70 |
| 162 | A Locomotor Deficit Induced by Sublethal Doses of Pyrethroid and Neonicotinoid Insecticides in the Honeybee Apis mellifera. PLoS ONE, 2015, 10, e0144879. | 1.1 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Community Structure of Ammonia-Oxidizing Archaea and Ammonia-Oxidizing Bacteria in Soil Treated with the Insecticide Imidacloprid. BioMed Research International, 2015, 2015, 1-12. | 0.9 | 14 |
| 165 | New Zealand pest management: current and future challenges. Journal of the Royal Society of New Zealand, 2015, 45, 31-58. | 1.0 | 74 |
| 166 | Negative effects of pesticides on wild bee communities can be buffered by landscape context. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150299. | 1.2 | 144 |
| 167 | Causes of variation in wild bee responses to anthropogenic drivers. Current Opinion in Insect Science, 2015, 10, 104-109. | 2.2 | 89 |
| 168 | A depauperate immune repertoire precedes evolution of sociality in bees. Genome Biology, 2015, 16, 83. | 3.8 | 130 |
| 169 | Pesticides: Seeking answers amid a toxic debate. Nature, 2015, 521, S52-S55. | 13.7 | 28 |
| 170 | Climatic Risk and Distribution Atlas of European Bumblebees. BioRisk, 0, 10, 1-236. | 0.2 | 171 |
| 171 | Honey bee dance decoding and pollen-load analysis show limited foraging on spring-flowering oilseed rape, a potential source of neonicotinoid contamination. Agriculture, Ecosystems and Environment, 2015, 203, 62-68. | 2.5 | 55 |
| 172 | A sting in the spit: widespread crossâ€infection of multiple <scp>RNA</scp> viruses across wild and managed bees. Journal of Animal Ecology, 2015, 84, 615-624. | 1.3 | 229 |
| 173 | Environmental fate and exposure; neonicotinoids and fipronil. Environmental Science and Pollution Research, 2015, 22, 35-67. | 2.7 | 903 |
| 174 | Exploring the planetary boundary for chemical pollution. Environment International, 2015, 78, 8-15. | 4.8 | 125 |
| 175 | Alternatives to neonicotinoid insecticides for pest control: case studies in agriculture and forestry. Environmental Science and Pollution Research, 2015, 22, 135-147. | 2.7 | 95 |
| 176 | Abscisic acid enhances the immune response in Apis mellifera and contributes to the colony fitness. Apidologie, 2015, 46, 542-557. | 0.9 | 48 |
| 177 | Bumblebees, climate and glaciers across the Tibetan plateau (Apidae:BombusLatreille). Systematics and Biodiversity, 2015, 13, 164-181. | 0.5 | 26 |
| 178 | Pesticide-induced oxidative stress in laboratory and field populations of native honey bees along intensive agricultural landscapes in two Eastern Indian states. Apidologie, 2015, 46, 107-129. | 0.9 | 58 |
| 179 | Chronic exposure to neonicotinoids increases neuronal vulnerability to mitochondrial dysfunction in the bumblebee ( Bombus terrestris ). FASEB Journal, 2015, 29, 2112-2119. | 0.2 | 76 |
| 180 | Biochemical and microbial soil functioning after application of the insecticide imidacloprid. Journal of Environmental Sciences, 2015, 27, 147-158. | 3.2 | 63 |
| 181 | Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: A review. Environment International, 2015, 74, 291-303. | 4.8 | 913 |

| # | Article | IF | Citations |
|---|---|---|---|
| 182 | Conclusions of the Worldwide Integrated Assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning. Environmental Science and Pollution Research, 2015, 22, 148-154. | 2.7 | 206 |
| 183 | Bee declines driven by combined stress from parasites, pesticides, and lack of flowers. Science, 2015, 347, 1255957. | 6.0 | 2,565 |
| 184 | On the verge? Preferential use of road-facing hedgerow margins by bumblebees in agro-ecosystems. Journal of Insect Conservation, 2015, 19, 67-74. | 0.8 | 34 |
| 185 | Variations in antioxidant defense during the development of the solitary bee Osmia bicornis. Apidologie, 2015, 46, 432-444. | 0.9 | 28 |
| 186 | Effects of neonicotinoids and fipronil on non-target invertebrates. Environmental Science and Pollution Research, 2015, 22, 68-102. | 2.7 | 639 |
| 187 | Bioefficacy ofBlumea mollis(D. Don) Merr. andHygrophila schulii(Buch.-Ham.) (Syn.H. auriculata) againstHelicoverpa armigera(HÃ¼bner). Archives of Phytopathology and Plant Protection, 2015, 48, 400-411. | 0.6 | 3 |
| 188 | Bacterial Wilt of Cucurbits: Resurrecting a Classic Pathosystem. Plant Disease, 2015, 99, 564-574. | 0.7 | 41 |
| 189 | Intersections between neonicotinoid seed treatments and honey bees. Current Opinion in Insect Science, 2015, 10, 8-13. | 2.2 | 55 |
| 190 | Bee nutrition and floral resource restoration. Current Opinion in Insect Science, 2015, 10, 133-141. | 2.2 | 318 |
| 191 | Indirect Effects of Field Management on Pollination Service and Seed Set in Hybrid Onion Seed Production. Journal of Economic Entomology, 2015, 108, 2511-2517. | 0.8 | 13 |
| 192 | Increased Acetylcholinesterase Expression in Bumble Bees During Neonicotinoid-Coated Corn Sowing. Scientific Reports, 2015, 5, 12636. | 1.6 | 26 |
| 193 | Bioavailability and release of nonextractable (bound) residues of chiral cycloxaprid using geophagous earthworm Metaphire guillelmi in rice paddy soil. Science of the Total Environment, 2015, 526, 243-250. | 3.9 | 27 |
| 194 | Programmed Cell Death in the Honey Bee (Apis mellifera) (Hymenoptera: Apidae) Worker Brain Induced by Imidacloprid. Journal of Economic Entomology, 2015, 108, 1486-1494. | 0.8 | 55 |
| 195 | Climate change impacts on bumblebees converge across continents. Science, 2015, 349, 177-180. | 6.0 | 572 |
| 196 | Autoassociative dynamics in the generation of sequences of hippocampal place cells. Science, 2015, 349, 180-183. | 6.0 | 168 |
| 197 | Functional nano-dispensers (FNDs) for delivery of insecticides against phytopathogen vectors. Green Chemistry, 2015, 17, 4173-4177. | 4.6 | 36 |
| 198 | Neurobehavioral impairments caused by developmental imidacloprid exposure in zebrafish. Neurotoxicology and Teratology, 2015, 49, 81-90. | 1.2 | 130 |
| 199 | Selection of phage-displayed peptides for the detection of imidacloprid in water and soil. Analytical Biochemistry, 2015, 485, 28-33. | 1.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 200 | Pesticides and pollinators: a context-sensitive policy approach. Current Opinion in Insect Science, 2015, 10, 149-155. | 2.2 | 18 |
| 201 | A neonicotinoid impairs olfactory learning in Asian honey bees (Apis cerana) exposed as larvae or as adults. Scientific Reports, 2015, 5, 10989. | 1.6 | 84 |
| 202 | In vitro effects of thiamethoxam on larvae of Africanized honey bee Apis mellifera (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 4.2 | 74 |
| 203 | Sublethal effects of imidacloprid on interactions in a tritrophic system of non-target species. Chemosphere, 2015, 132, 152-158. | 4.2 | 20 |
| 205 | Brassinosteroids play a critical role in the regulation of pesticide metabolism in crop plants. Scientific Reports, 2015, 5, 9018. | 1.6 | 110 |
| 206 | Bees prefer foods containing neonicotinoid pesticides. Nature, 2015, 521, 74-76. | 13.7 | 345 |
| 207 | Seed coating with a neonicotinoid insecticide negatively affects wild bees. Nature, 2015, 521, 77-80. | 13.7 | 816 |
| 208 | Tasteless pesticides affect bees in the field. Nature, 2015, 521, 38-39. | 13.7 | 36 |
| 209 | Winery vermicomposts to control the leaching of diuron, imidacloprid and their metabolites: Role of dissolved organic carbon content. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2015, 50, 190-200. | 0.7 | 27 |
| 210 | Sex allocation theory reveals a hidden cost of neonicotinoid exposure in a parasitoid wasp. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150389. | 1.2 | 23 |
| 211 | Unprecedented Quassinoids with Promising Biological Activity from Harrisonia perforata. Angewandte Chemie - International Edition, 2015, 54, 5592-5595. | 7.2 | 34 |
| 212 | Photodegradation of Imidacloprid in Aqueous Solution by the Metal-Free Catalyst Graphitic Carbon Nitride using an Energy-Saving Lamp. Journal of Agricultural and Food Chemistry, 2015, 63, 4754-4760. | 2.4 | 46 |
| 213 | Toxic Effects of Couroupita guianensis Against Spodoptera litura (Fabricius) (Lepidoptera: Noctuidae). Neotropical Entomology, 2015, 44, 84-91. | 0.5 | 18 |
| 214 | Large-Scale Deployment of Seed Treatments Has Driven Rapid Increase in Use of Neonicotinoid Insecticides and Preemptive Pest Management in U.S. Field Crops. Environmental Science & Technology, 2015, 49, 5088-5097. | 4.6 | 382 |
| 215 | Simultaneous extraction of nicotine and solanesol from waste tobacco materials by the column chromatographic extraction method and their separation and purification. Separation and Purification Technology, 2015, 146, 1-7. | 3.9 | 47 |
| 216 | Sublethal imidacloprid effects on honey bee flower choices when foraging. Ecotoxicology, 2015, 24, 2017-2025. | 1.1 | 50 |
| 217 | Shifts in dynamic regime of an invasive lady beetle are linked to the invasion and insecticidal management of its prey. Ecological Applications, 2015, 25, 1807-1818. | 1.8 | 39 |
| 218 | Sublethal Effect of Imidacloprid onSolenopsis invicta(Hymenoptera: Formicidae) Feeding, Digging, and Foraging Behavior. Environmental Entomology, 2015, 44, 1544-1552. | 0.7 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 219 | Epigenetic alterations and decreasing insecticide sensitivity of the Asian tiger mosquito Aedes albopictus. Ecotoxicology and Environmental Safety, 2015, 122, 45-53. | 2.9 | 51 |
| 220 | The Size But not the Symmetry of the Wings of Eulaema nigrita Lepeletier (Apidae: Euglossini) is Affected by Human-Disturbed Landscapes in the Brazilian Cerrado Savanna. Neotropical Entomology, 2015, 44, 439-447. | 0.5 | 15 |
| 221 | Efficacy of Soil-Applied Neonicotinoid Insecticides for Long-term Protection Against Emerald Ash Borer (Coleoptera: Buprestidae). Journal of Economic Entomology, 2015, 108, 2344-2353. | 0.8 | 12 |
| 222 | Neonicotinoid Residues in Wildflowers, a Potential Route of Chronic Exposure for Bees. Environmental Science & Technology, 2015, 49, 12731-12740. | 4.6 | 324 |
| 224 | Temporal Levels of Urinary Neonicotinoid and Dialkylphosphate Concentrations in Japanese Women Between 1994 and 2011. Environmental Science & Technology, 2015, 49, 14522-14528. | 4.6 | 115 |
| 225 | Neonicotinoid pesticide exposure impairs crop pollination services provided by bumblebees. Nature, 2015, 528, 548-550. | 13.7 | 249 |
| 226 | Neonicotinoids and bumblebees (Bombus terrestris): effects on nectar consumption in individual workers. Pest Management Science, 2015, 71, 946-950. | 1.7 | 44 |
| 227 | Current Agricultural Practices Threaten Future Global Food Production. Journal of Agricultural and Environmental Ethics, 2015, 28, 203-216. | 0.9 | 36 |
| 228 | Inductive risk and the contexts of communication. SynthÃˆse, 2015, 192, 79-96. | 0.6 | 52 |
| 229 | Species conservation under future climate change: the case of Bombus bellicosus, a potentially threatened South American bumblebee species. Journal of Insect Conservation, 2015, 19, 33-43. | 0.8 | 48 |
| 230 | Measuring the economic value of pollination services: Principles, evidence and knowledge gaps. Ecosystem Services, 2015, 14, 124-132. | 2.3 | 107 |
| 231 | Structureâ€“activity relationships of two Rhodnius prolixus calcitonin-like diuretic hormone analogs. Peptides, 2015, 68, 211-213. | 1.2 | 8 |
| 232 | Bees under stress: sublethal doses of a neonicotinoid pesticide and pathogens interact to elevate honey bee mortality across the life cycle. Environmental Microbiology, 2015, 17, 969-983. | 1.8 | 295 |
| 233 | A 1961â€“2010 record of fertilizer use, pesticide application and cereal yields: a review. Agronomy for Sustainable Development, 2015, 35, 83-93. | 2.2 | 143 |
| 234 | Delayed and time-cumulative toxicity of imidacloprid in bees, ants and termites. Scientific Reports, 2014, 4, 5566. | 1.6 | 146 |
| 235 | Pollination mitigates cucumber yield gaps more than pesticide and fertilizer use in tropical smallholder gardens. Journal of Applied Ecology, 2015, 52, 261-269. | 1.9 | 38 |
| 236 | A review of the direct and indirect effects of neonicotinoids and fipronil on vertebrate wildlife. Environmental Science and Pollution Research, 2015, 22, 103-118. | 2.7 | 501 |
| 237 | Enfraquecimento e perda de colÃ´nias de abelhas no Brasil: hÃ¡ casos de CCD?. Pesquisa Agropecuaria Brasileira, 2016, 51, 422-442. | 0.9 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 238 | 2014 Student Debates. American Entomologist, 2016, 62, 98-107. | 0.1 | 1 |
| 239 | Development and Validation of Chronopotentiometric Method for Imidacloprid Determination in Pesticide Formulations and River Water Samples. International Journal of Analytical Chemistry, 2016, 2016, 1-11. | 0.4 | 9 |
| 240 | Impacts of Pesticides on Honey Bees. , 2016, , . | | 35 |
| 241 | Current Pesticide Risk Assessment Protocols Do Not Adequately Address Differences between Honey Bees (Apis mellifera) and Bumble Bees (Bombus spp.). Frontiers in Environmental Science, 2016, 4, . | 1.5 | 26 |
| 242 | Maintaining the Restriction on Neonicotinoids in the European Union â€“ Benefits and Risks to Bees and Pollination Services. Frontiers in Ecology and Evolution, 2016, 4, . | 1.1 | 16 |
| 243 | Thousand Cankers Disease Complex: A Forest Health Issue that Threatens Juglans Species across the U.S.. Forests, 2016, 7, 260. | 0.9 | 17 |
| 244 | Biological Monitoring of Human Exposure to Neonicotinoids Using Urine Samples, and Neonicotinoid Excretion Kinetics. PLoS ONE, 2016, 11, e0146335. | 1.1 | 114 |
| 245 | Honeybees Produce Millimolar Concentrations of Non-Neuronal Acetylcholine for Breeding: Possible Adverse Effects of Neonicotinoids. PLoS ONE, 2016, 11, e0156886. | 1.1 | 32 |
| 246 | Investigating the impacts of fieldâ€realistic exposure to a neonicotinoid pesticide on bumblebee foraging, homing ability and colony growth. Journal of Applied Ecology, 2016, 53, 1440-1449. | 1.9 | 139 |
| 247 | Interactive effects of pesticide exposure and pathogen infection on bee healthÂâ€“Âa critical analysis. Biological Reviews, 2016, 91, 1006-1019. | 4.7 | 62 |
| 248 | A screening of multiple classes of pharmaceutical compounds for effect on preadult salmon lice Lepeophtheirus salmonis. Journal of Fish Diseases, 2016, 39, 1213-1223. | 0.9 | 17 |
| 249 | Monitoring the effects of thiamethoxam applied as a seed treatment to winter oilseed rape on the development of bumblebee (Bombus terrestris) colonies. Pest Management Science, 2016, 72, 1737-1742. | 1.7 | 14 |
| 250 | Synthetic pheromones as a management technique â€“ dispensers reduce Linepithema humile activity in a commercial vineyard. Pest Management Science, 2016, 72, 719-724. | 1.7 | 15 |
| 251 | Air pollutants degrade floral scents and increase insect foraging times. Atmospheric Environment, 2016, 141, 361-374. | 1.9 | 67 |
| 252 | Replication, effect sizes and identifying the biological impacts of pesticides on bees under field conditions. Journal of Applied Ecology, 2016, 53, 1358-1362. | 1.9 | 31 |
| 253 | Large-scale monitoring of effects of clothianidin-dressed OSR seeds on pollinating insects in Northern Germany: effects on large earth bumble bees (Bombus terrestris). Ecotoxicology, 2016, 25, 1666-1678. | 1.1 | 31 |
| 254 | Neonicotinoids target distinct nicotinic acetylcholine receptors and neurons, leading to differential risks to bumblebees. Scientific Reports, 2016, 6, 24764. | 1.6 | 83 |
| 255 | Effect of acute pesticide exposure on bee spatial working memory using an analogue of the radial-arm maze. Scientific Reports, 2016, 6, 38957. | 1.6 | 58 |

| # | Article | IF | Citations |
|---|---|---|---|
| 257 | Pollination Services to Agriculture. , 0, , . | | 4 |
| 258 | Specifics of pesticides effects on the phytopathogenic bacteria. Ecological Chemistry and Engineering S, 2016, 23, 311-331. | 0.3 | 21 |
| 259 | Chronic neonicotinoid pesticide exposure and parasite stress differentially affects learning in honeybees and bumblebees. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160246. | 1.2 | 67 |
| 260 | Impacts of human activity modes and climate on heavy metal â€œspreadâ€•in groundwater are biased. Chemosphere, 2016, 152, 439-445. | 4.2 | 61 |
| 261 | Enantioselective absorption and transformation of a novel chiral neonicotinoid [14C]-cycloxaprid in rats. Environmental Pollution, 2016, 213, 770-775. | 3.7 | 14 |
| 262 | The neonicotinoid pesticide, imidacloprid, affects Bombus impatiens (bumblebee) sonication behavior when consumed at doses below the LD50. Ecotoxicology, 2016, 25, 1150-1159. | 1.1 | 29 |
| 263 | Chronic exposure to a neonicotinoid pesticide alters the interactions between bumblebees and wild plants. Functional Ecology, 2016, 30, 1132-1139. | 1.7 | 83 |
| 264 | Uptake of Neonicotinoid Insecticides by Water-Foraging Honey Bees (Hymenoptera: Apidae) Through Guttation Fluid of Winter Oilseed Rape. Journal of Economic Entomology, 2016, 109, 31-40. | 0.8 | 22 |
| 265 | Something in the air? The impact of volatiles on mollusc attack of oilseed rape seedlings. Annals of Botany, 2016, 117, 1073-1082. | 1.4 | 15 |
| 266 | Exposure to the neonicotinoid imidacloprid disrupts sex allocation cue use during superparasitism in the parasitoid wasp <scp>N</scp>asonia vitripennis. Ecological Entomology, 2016, 41, 693-697. | 1.1 | 26 |
| 267 | Protecting an Ecosystem Service. Advances in Ecological Research, 2016, 54, 135-206. | 1.4 | 115 |
| 268 | Stereoselective Degradation and Transformation Products of a Novel Chiral Insecticide, Paichongding, in Flooded Paddy Soil. Journal of Agricultural and Food Chemistry, 2016, 64, 7423-7430. | 2.4 | 13 |
| 269 | Review of field and monitoring studies investigating the role of nitro-substituted neonicotinoid insecticides in the reported losses of honey bee colonies (Apis mellifera). Ecotoxicology, 2016, 25, 1617-1629. | 1.1 | 52 |
| 270 | Spatial distribution modelling reveals climatically suitable areas for bumblebees in undersampled parts of the Iberian Peninsula. Insect Conservation and Diversity, 2016, 9, 391-401. | 1.4 | 26 |
| 271 | Initial recommendations for higherâ€tier risk assessment protocols for bumble bees, Bombus spp. (Hymenoptera: Apidae). Integrated Environmental Assessment and Management, 2016, 12, 222-229. | 1.6 | 32 |
| 272 | Wind tunnel and CFD study of dust dispersion from pesticide-treated maize seed. Computers and Electronics in Agriculture, 2016, 128, 27-33. | 3.7 | 12 |
| 273 | Land-use change reduces habitat suitability for supporting managed honey bee colonies in the Northern Great Plains. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10430-10435. | 3.3 | 151 |
| 274 | Bumble bee species exhibit divergent responses to urbanisation in a <scp>S</scp>outhern <scp>C</scp>alifornia landscape. Ecological Entomology, 2016, 41, 685-692. | 1.1 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 275 | Pesticide Toxicity to Pollinators: Exposure, Toxicity and Risk Assessment Methodologies. , 2016, , 153-228. | | 4 |
| 276 | Pesticide Toxicity to Non-target Organisms. , 2016, , . | | 45 |
| 277 | The Persistence of Bumble Bees (Hymenoptera: Apidae) in Northeastern Texas. Proceedings of the Entomological Society of Washington, 2016, 118, 481-497. | 0.0 | 2 |
| 278 | Monitoring and exposure assessment of pesticide residues in cowpea (Vigna unguiculata L. Walp) from five provinces of southern China. Regulatory Toxicology and Pharmacology, 2016, 81, 260-267. | 1.3 | 24 |
| 279 | Neonicotinoid insecticides can serve as inadvertent insect contraceptives. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160506. | 1.2 | 93 |
| 280 | Establishment of classical biological control targeting emerald ash borer is facilitated by use of insecticides, with little effect on native arthropod communities. Biological Control, 2016, 101, 78-86. | 1.4 | 25 |
| 281 | Agrochemical-induced stress in stingless bees: peculiarities, underlying basis, and challenges. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2016, 202, 733-747. | 0.7 | 80 |
| 282 | Assessing the effectiveness of a three-stage on-farm biobed in treating pesticide contaminated wastewater. Journal of Environmental Management, 2016, 181, 874-882. | 3.8 | 33 |
| 283 | Perylenediimide-cored cationic nanocarriers deliver virus DNA to kill insect pests. Polymer Chemistry, 2016, 7, 3740-3746. | 1.9 | 14 |
| 284 | Status, Threats and Conservation Recommendations for Wild Bumble Bees (Bombusspp.) in Ontario, Canada: A Review for Policymakers and Practitioners. Natural Areas Journal, 2016, 36, 412-426. | 0.2 | 27 |
| 285 | Impacts of neonicotinoid use on long-term population changes in wild bees in England. Nature Communications, 2016, 7, 12459. | 5.8 | 367 |
| 286 | Combined neonicotinoid pesticide and parasite stress alter honeybee queensâ€™ physiology and survival. Scientific Reports, 2016, 6, 31430. | 1.6 | 53 |
| 287 | Decline of Bees and Other Pollinators. , 2016, , 109-118. | | 4 |
| 288 | Sub-lethal effects of dietary neonicotinoid insecticide exposure on honey bee queen fecundity and colony development. Scientific Reports, 2016, 6, 32108. | 1.6 | 156 |
| 289 | Non-cultivated plants present a season-long route of pesticide exposure for honey bees. Nature Communications, 2016, 7, 11629. | 5.8 | 211 |
| 290 | Queens become workers: pesticides alter caste differentiation in bees. Scientific Reports, 2016, 6, 31605. | 1.6 | 28 |
| 291 | Neonicotinoid concentrations in urine from chronic kidney disease patients in the North Central Region of Sri Lanka. Journal of Occupational Health, 2016, 58, 128-133. | 1.0 | 30 |
| 292 | Curcurbita pepo subspecies delineates striped cucumber beetle (Acalymma vittatum) preference. Horticulture Research, 2016, 3, 16028. | 2.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 293 | Nectar Production in Oilseeds: Food for Pollinators in an Agricultural Landscape. Crop Science, 2016, 56, 727-739. | 0.8 | 27 |
| 294 | Beebots-a-lula, Where's My Honey?. , 2016, , . | | 5 |
| 295 | Bumble bee colony dynamics: quantifying the importance of land use and floral resources for colony growth and queen production. Ecology Letters, 2016, 19, 460-468. | 3.0 | 108 |
| 296 | Honey Beesâ€™ Behavior Is Impaired by Chronic Exposure to the Neonicotinoid Thiacloprid in the Field. Environmental Science & Technology, 2016, 50, 7218-7227. | 4.6 | 157 |
| 297 | Regulation of Hydroxylation and Nitroreduction Pathways during Metabolism of the Neonicotinoid Insecticide Imidacloprid by Pseudomonas putida. Journal of Agricultural and Food Chemistry, 2016, 64, 4866-4875. | 2.4 | 42 |
| 298 | Impact of neonicotinoid seed treatment of cotton on the cotton leafhopper, Amrasca devastans (Hemiptera: Cicadellidae), and its natural enemies. Pest Management Science, 2016, 72, 1260-1267. | 1.7 | 27 |
| 299 | Survey and Risk Assessment ofApis mellifera(Hymenoptera: Apidae) Exposure to Neonicotinoid Pesticides in Urban, Rural, and Agricultural Settings. Journal of Economic Entomology, 2016, 109, 520-528. | 0.8 | 31 |
| 300 | Widespread contamination of wildflower and bee-collected pollen with complex mixtures of neonicotinoids and fungicides commonly applied to crops. Environment International, 2016, 88, 169-178. | 4.8 | 291 |
| 301 | A standard analytical method as the common good and pollution abatement measure. TrAC - Trends in Analytical Chemistry, 2016, 80, 321-327. | 5.8 | 9 |
| 302 | A sublethal imidacloprid concentration alters foraging and competition behaviour of ants. Ecotoxicology, 2016, 25, 814-823. | 1.1 | 19 |
| 303 | Underestimating neonicotinoid exposure: how extent and magnitude may be affected by land-use change. Environmental Science and Pollution Research, 2016, 23, 7050-7054. | 2.7 | 9 |
| 304 | Parasitoid nutritional ecology in a community context: the importance of honeydew and implications for biological control. Current Opinion in Insect Science, 2016, 14, 100-104. | 2.2 | 69 |
| 305 | Assessment of the environmental fate of cycloxaprid in flooded and anaerobic soils by radioisotopic tracing. Science of the Total Environment, 2016, 543, 116-122. | 3.9 | 11 |
| 306 | Assessment of imidacloprid-induced mutagenic effects in somatic cells of Swiss albino male mice. Drug and Chemical Toxicology, 2016, 39, 412-417. | 1.2 | 23 |
| 307 | Pressure of non-professional use of pesticides on operators, aquatic organisms and bees in Belgium. Science of the Total Environment, 2016, 550, 514-521. | 3.9 | 18 |
| 308 | The Hidden and External Costs of Pesticide Use. Sustainable Agriculture Reviews, 2016, , 35-120. | 0.6 | 164 |
| 309 | Rearing the soil arthropod Folsomia candida (Collembola: Isotomidae) on agar plates and estimating biomass by protein staining with Ponceau S. Applied Entomology and Zoology, 2016, 51, 489-494. | 0.6 | 2 |
| 310 | Sperm viability and gene expression in honey bee queens (Apis mellifera) following exposure to the neonicotinoid insecticide imidacloprid and the organophosphate acaricide coumaphos. Journal of Insect Physiology, 2016, 89, 1-8. | 0.9 | 126 |

| # | Article | IF | Citations |
|---|---|---|---|
| 311 | Structure of olefinâ€“imidacloprid and gas-phase fragmentation chemistry of its protonated form. Organic and Biomolecular Chemistry, 2016, 14, 1715-1726. | 1.5 | 9 |
| 312 | Nanoplasmonic biochips for rapid label-free detection of imidacloprid pesticides with a smartphone. Biosensors and Bioelectronics, 2016, 75, 88-95. | 5.3 | 80 |
| 313 | Injection of insect membrane in Xenopus oocyte: An original method for the pharmacological characterization of neonicotinoid insecticides. Journal of Pharmacological and Toxicological Methods, 2016, 77, 10-16. | 0.3 | 7 |
| 314 | Size matters: Significant negative relationship between mature plant mass and residual neonicotinoid levels in seed-treated oilseed rape and maize crops. Agriculture, Ecosystems and Environment, 2016, 215, 85-88. | 2.5 | 16 |
| 315 | Pollinators in life cycle assessment: towards a framework for impact assessment. Journal of Cleaner Production, 2017, 140, 525-536. | 4.6 | 38 |
| 316 | Risk-risk tradeoffs: what should we do in Europe?. Journal of Risk Research, 2017, 20, 963-983. | 1.4 | 14 |
| 317 | Isolation and assessment of gut bacteria from the Formosan subterranean termite, Coptotermes formosanus (Isoptera: Rhinotermitidae), for paratransgenesis research and application. Insect Science, 2017, 24, 93-102. | 1.5 | 9 |
| 318 | Effects of Imidacloprid and Varroa destructor on survival and health of European honey bees, Apis mellifera. Insect Science, 2017, 24, 467-477. | 1.5 | 54 |
| 319 | Differences in the strengths of evidence matters in riskâ€“risk trade-offs. Journal of Risk Research, 2017, 20, 988-994. | 1.4 | 1 |
| 320 | A demographic approach to evaluating the impact of stressors on bumble bee colonies. Ecological Entomology, 2017, 42, 221-229. | 1.1 | 22 |
| 321 | Nonâ€neuronal acetylcholine involved in reproduction in mammals and honeybees. Journal of Neurochemistry, 2017, 142, 144-150. | 2.1 | 32 |
| 322 | Quantifying exposure of wild bumblebees to mixtures of agrochemicals in agricultural and urban landscapes. Environmental Pollution, 2017, 222, 73-82. | 3.7 | 107 |
| 323 | Freshwater ecotoxicity impacts from pesticide use in animal and vegetable foods produced in Sweden. Science of the Total Environment, 2017, 581-582, 448-459. | 3.9 | 31 |
| 324 | The Neonicotinoid Insecticide Thiacloprid Impacts upon Bumblebee Colony Development under Field Conditions. Environmental Science & Technology, 2017, 51, 1727-1732. | 4.6 | 74 |
| 325 | Concentration-dependent effects of acute and chronic neonicotinoid exposure on the behaviour and development of the nematodeCaenorhabditis elegans. Pest Management Science, 2017, 73, 1345-1351. | 1.7 | 14 |
| 326 | Covert deformed wing virus infections have long-term deleterious effects on honeybee foraging and survival. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162149. | 1.2 | 100 |
| 327 | Toxicity of A Novel Neonicotinoid Insecticide Paichongding to Earthworm Eisenia fetida. Soil and Sediment Contamination, 2017, 26, 235-246. | 1.1 | 7 |
| 329 | The combined effects of a monotonous diet and exposure to thiamethoxam on the performance of bumblebee micro-colonies. Ecotoxicology and Environmental Safety, 2017, 139, 194-201. | 2.9 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 330 | Performance of honey bee colonies under a long-lasting dietary exposure to sublethal concentrations of the neonicotinoid insecticide thiacloprid. Pest Management Science, 2017, 73, 1334-1344. | 1.7 | 29 |
| 331 | The effects of neonicotinoid exposure on embryonic development and organ mass in northern bobwhite quail ( Colinus virginianus ). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 195, 9-15. | 1.3 | 16 |
| 332 | Separation of different pollen types by chemotactile sensing in Bombus terrestris.. Journal of Experimental Biology, 2017, 220, 1435-1442. | 0.8 | 4 |
| 333 | The Effects of Pimpinella anisum Essential Oils on Young Larvae Leptinotarsa decemlineata Say (Coleoptera: Chrysomelidae). American Journal of Potato Research, 2017, 94, 64-69. | 0.5 | 4 |
| 334 | Pesticide Residue in Foods. , 2017, , . | | 14 |
| 335 | Application of Boxâ€“Behnken design to optimize multi-sorbent solid phase extraction for trace neonicotinoids in water containing high level of matrix substances. Talanta, 2017, 170, 392-398. | 2.9 | 48 |
| 336 | High pesticide risk to honey bees despite low focal crop pollen collection during pollination of a mass blooming crop. Scientific Reports, 2017, 7, 46554. | 1.6 | 91 |
| 337 | Management of Pesticides: Purposes, Uses, and Concerns. , 2017, , 53-86. | | 4 |
| 339 | Uptake and translocation of imidacloprid, thiamethoxam and difenoconazole in rice plants. Environmental Pollution, 2017, 226, 479-485. | 3.7 | 96 |
| 340 | General and species-specific impacts of a neonicotinoid insecticide on the ovary development and feeding of wild bumblebee queens. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170123. | 1.2 | 74 |
| 341 | Do drivers of biodiversity change differ in importance across marine and terrestrial systems â€" Or is it just different research communities' perspectives?. Science of the Total Environment, 2017, 574, 191-203. | 3.9 | 32 |
| 342 | Fate and effect of imidacloprid on vermicompost-amended soils under dissimilar conditions: Risk for soil functions, structure, and bacterial abundance. Science of the Total Environment, 2017, 579, 1111-1119. | 3.9 | 28 |
| 343 | Exposure of larvae to thiamethoxam affects the survival and physiology of the honey bee at post-embryonic stages. Environmental Pollution, 2017, 229, 386-393. | 3.7 | 59 |
| 344 | Neonicotinoid-induced pathogen susceptibility is mitigated by Lactobacillus plantarum immune stimulation in a Drosophila melanogaster model. Scientific Reports, 2017, 7, 2703. | 1.6 | 77 |
| 345 | Big cityBombus: using natural history and land-use history to find significant environmental drivers in bumble-bee declines in urban development. Royal Society Open Science, 2017, 4, 170156. | 1.1 | 51 |
| 346 | The environmental risks of neonicotinoid pesticides: a review of the evidence post 2013. Environmental Science and Pollution Research, 2017, 24, 17285-17325. | 2.7 | 405 |
| 347 | Ornamental plants on sale to the public are a significant source of pesticide residues with implications for the health of pollinating insects. Environmental Pollution, 2017, 228, 297-304. | 3.7 | 72 |
| 348 | Interactive effects of landscape-wide intensity of farming practices and landscape complexity on wild bee diversity. Landscape Ecology, 2017, 32, 1631-1642. | 1.9 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 349 | Chronic exposure to a neonicotinoid increases expression of antimicrobial peptide genes in the bumblebee Bombus impatiens. Scientific Reports, 2017, 7, 44773. | 1.6 | 13 |
| 350 | Induced plant defences in biological control of arthropod pests: a doubleâ€edged sword. Pest Management Science, 2017, 73, 1780-1788. | 1.7 | 52 |
| 351 | Dew from Warmâ€Season Turfgrasses as a Possible Route for Pollinator Exposure to Lawnâ€Applied Imidacloprid. Crop, Forage and Turfgrass Management, 2017, 3, 1-6. | 0.2 | 5 |
| 352 | Open Controversies: Beesâ€™ Health, Glyphosate and Endocrine Disruption. , 2017, , 77-104. | | 1 |
| 353 | Biomarkers of Ecotoxicological Effects in Social Insects. Environmental Science and Engineering, 2017, , 203-214. | 0.1 | 10 |
| 354 | Scientometric overview in nanopesticides. , 2017, , 719-744. | | 5 |
| 355 | Bumblebee family lineage survival is enhanced in high-quality landscapes. Nature, 2017, 543, 547-549. | 13.7 | 159 |
| 356 | A helping habitat for bumblebees. Nature, 2017, 543, 498-499. | 13.7 | 1 |
| 357 | Potential supply of floral resources to managed honey bees in natural mistbelt forests. Journal of Environmental Management, 2017, 189, 160-167. | 3.8 | 12 |
| 358 | Reciprocal effects of pesticides and pathogens on amphibian hosts: The importance of exposure order and timing. Environmental Pollution, 2017, 221, 359-366. | 3.7 | 50 |
| 359 | Expression of the Galanthus nivalis agglutinin (GNA) gene in transgenic potato plants confers resistance to aphids. Comptes Rendus - Biologies, 2017, 340, 7-12. | 0.1 | 17 |
| 360 | Detrimental interactions of neonicotinoid pesticide exposure and bumblebee immunity. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2017, 327, 273-283. | 0.9 | 30 |
| 361 | A worldwide survey of neonicotinoids in honey. Science, 2017, 358, 109-111. | 6.0 | 357 |
| 362 | Complementarity among natural enemies enhances pest suppression. Scientific Reports, 2017, 7, 8172. | 1.6 | 58 |
| 363 | Landscape Scale Study of the Net Effect of Proximity to a Neonicotinoid-Treated Crop on Bee Colony Health. Environmental Science & Technology, 2017, 51, 10825-10833. | 4.6 | 20 |
| 364 | Partitioning the roles of CYP6G1 and gut microbes in the metabolism of the insecticide imidacloprid in Drosophila melanogaster. Scientific Reports, 2017, 7, 11339. | 1.6 | 37 |
| 365 | Dimensions of biodiversity loss: Spatial mismatch in landâ€use impacts on species, functional and phylogenetic diversity of European bees. Diversity and Distributions, 2017, 23, 1435-1446. | 1.9 | 43 |
| 366 | Exploring the relationships between landscape complexity, wild bee species richness and reproduction, and pollination services along a complexity gradient in the Netherlands. Biological Conservation, 2017, 214, 312-319. | 1.9 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 367 | Bumblebee colony development following chronic exposure to field-realistic levels of the neonicotinoid pesticide thiamethoxam under laboratory conditions. Scientific Reports, 2017, 7, 8005. | 1.6 | 21 |
| 368 | Effect of fenpropathrin on the viability and homing ability of worker bees Apis mellifera. Journal of Asia-Pacific Entomology, 2017, 20, 1063-1066. | 0.4 | 6 |
| 369 | Intersection between biodiversity conservation, agroecology, and ecosystem services. Agroecology and Sustainable Food Systems, 2017, 41, 723-760. | 1.0 | 44 |
| 370 | Pesticides and bees: Ecological-economic modelling of bee populations on farmland. Ecological Modelling, 2017, 360, 53-62. | 1.2 | 15 |
| 372 | Impact of Thiamethoxam on Honey Bee Queen (Apis mellifera carnica) Reproductive Morphology and Physiology. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 297-302. | 1.3 | 30 |
| 373 | Immunosuppression in Honeybee Queens by the Neonicotinoids Thiacloprid and Clothianidin. Scientific Reports, 2017, 7, 4673. | 1.6 | 56 |
| 374 | Neonicotinoids override a parasite exposure impact onÂhibernation success of a key bumblebee pollinator. Ecological Entomology, 2017, 42, 306-314. | 1.1 | 71 |
| 375 | Neonicotinoid pesticide limits improvement in buzz pollination by bumblebees. Scientific Reports, 2017, 7, 15562. | 1.6 | 28 |
| 376 | Indirect Effects of Landscape Spatial Structure and Plant Species Richness on Pollinator Diversity in Ozark Glades. Castanea, 2017, 82, 24-31. | 0.2 | 4 |
| 377 | Effects of global change on insect pollinators: multiple drivers lead to novel communities. Current Opinion in Insect Science, 2017, 23, 22-27. | 2.2 | 58 |
| 378 | Insecticide Susceptibility in Asian Honey Bees (Apis cerana (Hymenoptera: Apidae)) and Implications for Wild Honey Bees in Asia. Journal of Economic Entomology, 2017, 110, 447-452. | 0.8 | 16 |
| 379 | Country-specific effects of neonicotinoid pesticides on honey bees and wild bees. Science, 2017, 356, 1393-1395. | 6.0 | 510 |
| 380 | Conflict over non-partitioned resources may explain between-species differences in declines: the anthropogenic competition hypothesis. Behavioral Ecology and Sociobiology, 2017, 71, 99. | 0.6 | 15 |
| 381 | Impact of controlled neonicotinoid exposure on bumblebees in a realistic field setting. Journal of Applied Ecology, 2017, 54, 1199-1208. | 1.9 | 54 |
| 382 | Comparative toxicity of pesticides and environmental contaminants in bees: Are honey bees a useful proxy for wild bee species?. Science of the Total Environment, 2017, 578, 357-365. | 3.9 | 106 |
| 383 | Non-stereoselective transformation of the chiral insecticide cycloxaprid in aerobic soil. Science of the Total Environment, 2017, 579, 667-674. | 3.9 | 15 |
| 384 | Sperm parameters of honeybee drones exposed to imidacloprid. Apidologie, 2017, 48, 211-222. | 0.9 | 39 |
| 385 | Complex mixtures of Pesticides in Midwest U.S. streams indicated by POCIS time-integrating samplers. Environmental Pollution, 2017, 220, 431-440. | 3.7 | 81 |

| # | Article | IF | Citations |
|---|---|---|---|
| 386 | Photochemically induced fluorescence coupled to second-order multivariate calibration as analytical tool for determining imidacloprid in honeybees. Chemometrics and Intelligent Laboratory Systems, 2017, 160, 1-7. | 1.8 | 12 |
| 387 | A beekeeper's perspective on the neonicotinoid ban. Pest Management Science, 2017, 73, 1295-1298. | 1.7 | 20 |
| 388 | The city as a refuge for insect pollinators. Conservation Biology, 2017, 31, 24-29. | 2.4 | 368 |
| 389 | Sublethal exposure to neonicotinoids and related side effects on insect pollinators: honeybees, bumblebees, and solitary bees. Journal of Plant Diseases and Protection, 2017, 124, 1-30. | 1.6 | 60 |
| 390 | Production of Fungal Spores for Biological Control. , 2017, , 757-779. | | 4 |
| 391 | Optimizing Pest Management Practices to Conserve Pollinators in Turf Landscapes: Current Practices and Future Research Needs. Journal of Integrated Pest Management, 2017, 8, . | 0.9 | 16 |
| 392 | Field-relevant doses of the systemic insecticide fipronil and fungicide pyraclostrobin impair mandibular and hypopharyngeal glands in nurse honeybees (Apis mellifera). Scientific Reports, 2017, 7, 15217. | 1.6 | 46 |
| 393 | Understanding Agrarian Crisis: A Participatory and Qualitative Systemic Analysis. Journal of Agricultural Studies, 2017, 5, 260. | 0.2 | 1 |
| 394 | Single and Combined Effects of Pesticide Seed Dressings and Herbicides on Earthworms, Soil Microorganisms, and Litter Decomposition. Frontiers in Plant Science, 2017, 8, 215. | 1.7 | 52 |
| 395 | Bee Community of Commercial Potato Fields in Michigan and Bombus impatiens Visitation to Neonicotinoid-Treated Potato Plants. Insects, 2017, 8, 30. | 1.0 | 19 |
| 396 | 5 Key Challenges and Solutions for Governing Complex Adaptive (Food) Systems. Sustainability, 2017, 9, 1594. | 1.6 | 20 |
| 397 | The bitter battle over the worldâ€™s most popular insecticides. Nature, 2017, 551, 156-158. | 13.7 | 58 |
| 398 | An updated understanding of Texas bumble bee (Hymenoptera: Apidae) species presence and potential distributions in Texas, USA. PeerJ, 2017, 5, e3612. | 0.9 | 9 |
| 399 | Ecotoxicity of the Neonicotinoid Insecticides Imidacloprid and Thiacloprid to the Soil-Dwelling Arthropod Folsomia candida (Collembola). Journal of the Kansas Entomological Society, 2017, 90, 323-333. | 0.1 | 6 |
| 400 | Effects of Neonicotinoid Pesticide Exposure on Human Health: A Systematic Review. Environmental Health Perspectives, 2017, 125, 155-162. | 2.8 | 336 |
| 401 | Effectiveness and profitability of insecticide formulations used for managing snap bean pests. Uganda Journal of Agricultural Sciences, 2017, 17, 111. | 0.2 | 3 |
| 402 | Safe-Guarding Bee Diversity and Food Provisioning. , 2017, , . | | 1 |
| 403 | Different reproductive strategies and their possible relation to inbreeding risk in the bumble bee Bombus terrestris. Insectes Sociaux, 2018, 65, 289-295. | 0.7 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 404 | Environmental Risks and Challenges Associated with Neonicotinoid Insecticides. Environmental Science & Technology, 2018, 52, 3329-3335. | 4.6 | 316 |
| 405 | Interactions between immunotoxicants and parasite stress: Implications for host health. Journal of Theoretical Biology, 2018, 445, 120-127. | 0.8 | 7 |
| 406 | Seasonal sensitivity of Gammarus pulex towards the pyrethroid cypermethrin. Chemosphere, 2018, 200, 632-640. | 4.2 | 16 |
| 407 | Concentrations of imidacloprid and thiamethoxam in pollen, nectar and leaves from seed-dressed cotton crops and their potential risk to honeybees (Apis mellifera L.). Chemosphere, 2018, 201, 159-167. | 4.2 | 65 |
| 408 | Neonicotinoid insecticides negatively affect performance measures of nonâ€target terrestrial arthropods: a metaâ€analysis. Ecological Applications, 2018, 28, 1232-1244. | 1.8 | 52 |
| 409 | Morphogenetic Alterations in Melipona quadrifasciata anthidioides (Hymenoptera: Apidae) Associated with Pesticides. Archives of Environmental Contamination and Toxicology, 2018, 74, 627-632. | 2.1 | 8 |
| 410 | Effects of neonicotinoid imidacloprid exposure on bumble bee (Hymenoptera: Apidae) queen survival and nest initiation. Environmental Entomology, 2018, 47, 55-62. | 0.7 | 44 |
| 411 | Neonicotinoids thiamethoxam and clothianidin adversely affect the colonisation of invertebrate populations in aquatic microcosms. Environmental Science and Pollution Research, 2018, 25, 9593-9599. | 2.7 | 26 |
| 412 | Imidacloprid slows the development of preference for rewarding food sources in bumblebees (Bombus impatiens). Ecotoxicology, 2018, 27, 175-187. | 1.1 | 18 |
| 413 | Thiamethoxam seed treatments reduce foliar predator and pollinator populations in sunflowers () Tj ETQq1 1 0.784314 rgBT /Overloc<br>the predator, Coleomegilla maculata (Coleoptera: Coccinellidae). Crop Protection, 2018, 106, 86-92. | 1.0 | 20 |
| 414 | Measuring public perception and preferences for ecosystem services: A case study of bee pollination in the UK. Land Use Policy, 2018, 71, 355-362. | 2.5 | 22 |
| 415 | Systemic control efficacy of neonicotinoids seeds dressing on English grain aphid (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 0.4 | 11 |
| 416 | A screening framework for pesticide substitution in agriculture. Journal of Cleaner Production, 2018, 192, 306-315. | 4.6 | 27 |
| 417 | Preparation and characterization of indole-3-butyric acid nanospheres for improving its stability and utilization. Materials Science and Engineering C, 2018, 89, 175-181. | 3.8 | 12 |
| 418 | Neonicotinoid detection in wild turkeys (Meleagris gallopavo silvestris) in Ontario, Canada. Environmental Science and Pollution Research, 2018, 25, 16254-16260. | 2.7 | 26 |
| 419 | Superabsorbent hydrogels coating increased degradation and decreased bound residues formation of carbendazim in soil. Science of the Total Environment, 2018, 630, 1133-1142. | 3.9 | 12 |
| 420 | Sensitivity analyses for simulating pesticide impacts on honey bee colonies. Ecological Modelling, 2018, 376, 15-27. | 1.2 | 19 |
| 421 | Rapid Trace Detection and Isomer Quantitation of Pesticide Residues via Matrix-Assisted Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 3966-3974. | 2.4 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 422 | Effects of riverine landscape changes on pollination services: A case study on the River Minho, Portugal. Ecological Indicators, 2018, 89, 656-666. | 2.6 | 19 |
| 423 | Problems and Challenges to Determine Pesticide Residues in Bumblebees. Critical Reviews in Analytical Chemistry, 2018, 48, 447-458. | 1.8 | 8 |
| 424 | Effects of Field-Relevant Concentrations of Clothianidin on Larval Development of the Butterfly Polyommatus icarus (Lepidoptera, Lycaenidae). Environmental Science & Technology, 2018, 52, 3990-3996. | 4.6 | 26 |
| 425 | Reducing damages from sulfoxaflor use through mitigation measures to increase the protection of pollinator species. Land Use Policy, 2018, 75, 70-76. | 2.5 | 10 |
| 426 | Enhancement of chronic bee paralysis virus levels in honeybees acute exposed to imidacloprid: A Chinese case study. Science of the Total Environment, 2018, 630, 487-494. | 3.9 | 34 |
| 427 | Loops D, E and G in the Drosophila DÎ±1 subunit contribute to high neonicotinoid sensitivity of DÎ±1â€chicken Î²2 nicotinic acetylcholine receptor. British Journal of Pharmacology, 2018, 175, 1999-2012. | 2.7 | 22 |
| 428 | Hydrolysis of a neonicotinoid: a theoretical study on the reaction mechanism of dinotefuran. Structural Chemistry, 2018, 29, 315-325. | 1.0 | 9 |
| 429 | The impacts of predators and parasites on wild bumblebee colonies. Ecological Entomology, 2018, 43, 168-181. | 1.1 | 54 |
| 430 | Synergistic interactions between a variety of insecticides and an ergosterol biosynthesis inhibitor fungicide in dietary exposures of bumble bees ( Bombus terrestris L.). Pest Management Science, 2018, 74, 541-546. | 1.7 | 50 |
| 431 | Genomes of the Hymenoptera. Current Opinion in Insect Science, 2018, 25, 65-75. | 2.2 | 63 |
| 432 | Transport of a neonicotinoid pesticide, thiamethoxam, from artificial seed coatings. Science of the Total Environment, 2018, 618, 561-568. | 3.9 | 33 |
| 433 | A Validated Method for the Determination of Neonicotinoid, Pyrethroid and Organochlorine Residues in Human Milk. Chromatographia, 2018, 81, 315-325. | 0.7 | 15 |
| 434 | Show me your garden and I will tell you how sustainable you are: Dutch citizensâ€™ perspectives on conserving biodiversity and promoting a sustainable urban living environment through domestic gardening. Urban Forestry and Urban Greening, 2018, 30, 260-279. | 2.3 | 24 |
| 435 | The effect of dietary neonicotinoid pesticides on non-flight thermogenesis in worker bumble bees (Bombus terrestris). Journal of Insect Physiology, 2018, 104, 33-39. | 0.9 | 37 |
| 436 | DaÃ±o colateral en abejas por la exposiciÃ³n a pesticidas de uso agrÃcola. Entramado, 2018, 14, 232-240. | 0.1 | 6 |
| 437 | Whole Genome Sequence of Sphingobacterium sp. G1-14, a Strain With Effective Paichongding Biodegradation. Journal of Biology and Life Science, 2018, 10, 58. | 0.2 | 2 |
| 438 | 1757aâ€...Future of work, and strategic research perspectives from the nordic occupational health research institutes. , 2018, , . | | 0 |
| 439 | OBSOLETE: The rise of systemic insecticides and their environmental repercussions. , 2018, , . | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 440 | æµ¸é€æ€§è¾¼²è—¬ãªæ¹æ·±ã¸å•é¡Œ. Nature Digest, 2018, 15, 31-33. | 0.0 | 0 |
| 441 | Evaluation of Neonicotinoid Residues in Hive Products from Selected Counties in Kenya. , 2018, 08, . | | 5 |
| 442 | Neonicotinoid exposure disrupts bumblebee nest behavior, social networks, and thermoregulation. Science, 2018, 362, 683-686. | 6.0 | 178 |
| 443 | Jasmonic Acid Seed Treatment Stimulates Insecticide Detoxification in Brassica juncea L.. Frontiers in Plant Science, 2018, 9, 1609. | 1.7 | 71 |
| 444 | Effect of Sublethal Doses of Imidacloprid on the Biological Performance of Aphid Endoparasitoid Aphidius gifuensis (Hymenoptera: Aphidiidae) and Influence on Its Related Gene Expression. Frontiers in Physiology, 2018, 9, 1729. | 1.3 | 35 |
| 445 | Field-level clothianidin exposure affects bumblebees but generally not their pathogens. Nature Communications, 2018, 9, 5446. | 5.8 | 45 |
| 446 | Endocrine disruption and chronic effects of plant protection products in bees: Can we better protect our pollinators?. Environmental Pollution, 2018, 243, 1588-1601. | 3.7 | 21 |
| 447 | Queen bee acceptance under threat: Neurotoxic insecticides provoke deep damage in queen-worker relationships. Ecotoxicology and Environmental Safety, 2018, 166, 42-47. | 2.9 | 10 |
| 448 | Knowledge of Pollinator Conservation and Associated Plant Recommendations in the Horticultural Retail Industry. HortTechnology, 2018, 28, 529-535. | 0.5 | 5 |
| 449 | Glyphosate is lethal and Cry toxins alter the development of the stingless bee Melipona quadrifasciata. Environmental Pollution, 2018, 243, 1854-1860. | 3.7 | 51 |
| 450 | The prevalence of olfactory- versus visual-signal encounter by searching bumblebees. Scientific Reports, 2018, 8, 14590. | 1.6 | 17 |
| 451 | Harvesting Sugar From Nonflowering Plants: Implications of a Marked Sugar Bait on Honey Bee (Hymenoptera: Apidae) Whole Hive Health. Journal of Insect Science, 2018, 18, . | 0.6 | 2 |
| 452 | Effects of imidacloprid and a neonicotinoid mixture on aquatic invertebrate communities under Mediterranean conditions. Aquatic Toxicology, 2018, 204, 130-143. | 1.9 | 50 |
| 453 | Imidacloprid alters ant sociobehavioral traits at environmentally relevant concentrations. Ecotoxicology, 2018, 27, 1179-1187. | 1.1 | 12 |
| 454 | Metabolomics Discovers Early-Response Metabolic Biomarkers that Can Predict Chronic Reproductive Fitness in Individual Daphnia magna. Metabolites, 2018, 8, 42. | 1.3 | 37 |
| 455 | Foraging bumblebees acquire a preference for neonicotinoid-treated food with prolonged exposure. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180655. | 1.2 | 53 |
| 456 | Field Populations of Wild Apis cerana Honey Bees Exhibit Increased Genetic Diversity Under Pesticide Stress Along an Agricultural Intensification Gradient in Eastern India. Journal of Insect Science, 2018, 18, . | 0.6 | 5 |
| 457 | Effects of heterospecific pollen from a windâ€pollinated and pesticideâ€treated plant on reproductive success of an insectâ€pollinated species. American Journal of Botany, 2018, 105, 836-841. | 0.8 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 458 | Lower bumblebee colony reproductive success in agricultural compared with urban environments. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180807. | 1.2 | 73 |
| 459 | Evaluation of neonicotinoid insecticides for oestrogenic, thyroidogenic and adipogenic activity reveals imidacloprid causes lipid accumulation. Journal of Applied Toxicology, 2018, 38, 1483-1491. | 1.4 | 45 |
| 460 | Systemic Insecticides and Their Environmental Repercussions. , 2018, , 111-117. | | 6 |
| 461 | The influence of conopid flies on bumble bee colony productivity under different food resource conditions. Ecological Monographs, 2018, 88, 653-671. | 2.4 | 8 |
| 462 | Monitoring Neonicotinoid Exposure for Bees in Rural and Peri-urban Areas of the U.K. during the Transition from Pre- to Post-moratorium. Environmental Science & Technology, 2018, 52, 9391-9402. | 4.6 | 34 |
| 463 | Reflections on, and visions for, the changing field of pollination ecology. Ecology Letters, 2018, 21, 1282-1295. | 3.0 | 50 |
| 464 | Low dose of neonicotinoid insecticide reduces foraging motivation of bumblebees. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180506. | 1.2 | 53 |
| 465 | Ignoring Adjuvant Toxicity Falsifies the Safety Profile of Commercial Pesticides. Frontiers in Public Health, 2017, 5, 361. | 1.3 | 185 |
| 466 | Review: Have suitable experimental designs been used to determine the effects of neonicotinoid insecticides on bee colony performance in the field?. Journal of Apicultural Research, 2018, 57, 586-592. | 0.7 | 6 |
| 467 | Lethal and sub-lethal effects of the insecticide fipronil on juvenile brown shrimp Farfantepenaeus aztecus. Scientific Reports, 2018, 8, 10769. | 1.6 | 21 |
| 468 | A mechanistic framework to explain the immunosuppressive effects of neurotoxic pesticides on bees. Functional Ecology, 2018, 32, 1921-1930. | 1.7 | 23 |
| 469 | Vine and citrus mealybug pest control based on synthetic chemicals. A review. Agronomy for Sustainable Development, 2018, 38, 1. | 2.2 | 46 |
| 470 | A Sustainable Agricultural Future Relies on the Transition to Organic Agroecological Pest Management. Sustainability, 2018, 10, 2023. | 1.6 | 57 |
| 471 | Quantifying the impact of pesticides on learning and memory in bees. Journal of Applied Ecology, 2018, 55, 2812-2821. | 1.9 | 114 |
| 472 | Co-exposure of imidacloprid and nanoparticle Ag or CeO2 to Cucurbita pepo (zucchini): Contaminant bioaccumulation and translocation. NanoImpact, 2018, 11, 136-145. | 2.4 | 18 |
| 473 | Toxicity and motor changes in Africanized honey bees (Apis mellifera L.) exposed to fipronil and imidacloprid. Anais Da Academia Brasileira De Ciencias, 2018, 90, 239-245. | 0.3 | 23 |
| 474 | Entrepreneurs in the making: indigenous entrepreneurship and the governance of hope in Chile. Latin American and Caribbean Ethnic Studies, 2018, 13, 259-281. | 0.4 | 16 |
| 475 | Quality Control of Plant-Based Foods in Terms of Nutritional Values: Influence of Pesticides Residue and Endogenous Compounds. , 2018, , 407-449. | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 476 | Wild bees respond complementarily to â€˜high-qualityâ€™ perennial and annual habitats of organic farms in a complex landscape. Journal of Insect Conservation, 2018, 22, 551-562. | 0.8 | 15 |
| 477 | Is pollinator visitation of Helianthus annuus (sunflower) influenced by cultivar or pesticide treatment?. Crop Protection, 2018, 114, 83-89. | 1.0 | 10 |
| 478 | Toxic effect of the novel chiral insecticide IPP and its biodegradation intermediate in nematode Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2018, 164, 604-610. | 2.9 | 12 |
| 479 | Lesser kestrel diet and agricultural intensification in the Mediterranean: An unexpected win-win solution?. Journal for Nature Conservation, 2018, 45, 122-130. | 0.8 | 20 |
| 480 | Imidacloprid Sorption and Transport in Cropland, Grass Buffer, and Riparian Buffer Soils. Vadose Zone Journal, 2018, 17, 1-12. | 1.3 | 108 |
| 481 | An alternative to controversial pesticides still harms bumblebees. Nature, 2018, 561, 40-41. | 13.7 | 22 |
| 482 | Sulfoxaflor exposure reduces bumblebee reproductive success. Nature, 2018, 561, 109-112. | 13.7 | 152 |
| 483 | Effects of neonicotinoid insecticide exposure and monofloral diet on nest-founding bumblebee queens. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180761. | 1.2 | 51 |
| 484 | Acute and (sub)chronic toxicity of the neonicotinoid imidacloprid on Chironomus riparius. Chemosphere, 2018, 209, 568-577. | 4.2 | 34 |
| 485 | Neonicotinoid residues in UK honey despite European Union moratorium. PLoS ONE, 2018, 13, e0189681. | 1.1 | 31 |
| 486 | Effects of habitat type change on taxonomic and functional composition of orchid bees (Apidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 | 0.8 | 12 |
| 487 | Design, synthesis, and insecticidal activity evaluation of novel 4â€(N,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 Td (< insecticides. Pest Management Science, 2019, 75, 427-437. | 1.7 | 28 |
| 488 | Endogenous plant metabolites against insects. European Journal of Plant Pathology, 2019, 154, 67-90. | 0.8 | 64 |
| 489 | Neonicotinoids and carbendazim in indoor dust from three cities in China: Spatial and temporal variations. Science of the Total Environment, 2019, 695, 133790. | 3.9 | 77 |
| 490 | Neonicotinoids in excretion product of phloem-feeding insects kill beneficial insects. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16817-16822. | 3.3 | 99 |
| 491 | Evaluating the genotoxic damage in bovine whole blood cells in vitro after exposure to thiacloprid. Toxicology in Vitro, 2019, 61, 104616. | 1.1 | 13 |
| 492 | The Impact of Pesticides on Flowerâ€Visiting Insects: A Review with Regard to European Risk Assessment. Environmental Toxicology and Chemistry, 2019, 38, 2355-2370. | 2.2 | 58 |
| 493 | Biodegradation of the Insecticide Flonicamid by Alcaligenes faecalis CGMCC 17553 via Hydrolysis and Hydration Pathways Mediated by Nitrilase. Journal of Agricultural and Food Chemistry, 2019, 67, 10032-10041. | 2.4 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 494 | Modality-specific impairment of learning by a neonicotinoid pesticide. Biology Letters, 2019, 15, 20190359. | 1.0 | 39 |
| 495 | Characteristics of neonicotinoid imidacloprid in urine following exposure of humans to orchards in China. Environment International, 2019, 132, 105079. | 4.8 | 56 |
| 496 | A Novel Water-Swelling Sampling Probe for in Vivo Detection of Neonicotinoids in Plants. Environmental Science & Technology, 2019, 53, 9686-9694. | 4.6 | 27 |
| 497 | Measuring What Matters: Actionable Information for Conservation Biocontrol in Multifunctional Landscapes. Frontiers in Sustainable Food Systems, 2019, 3, . | 1.8 | 34 |
| 498 | Molecular basis for the resistance of American sloughgrass to aryloxyphenoxypropionic acid pesticides and its environmental relevance: A combined experimental and computational study. Chemosphere, 2019, 235, 1030-1040. | 4.2 | 1 |
| 499 | The effects of the neonicotinoid imidacloprid on gene expression and DNA methylation in the buff-tailed bumblebee Bombus terrestris. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190718. | 1.2 | 32 |
| 500 | Evidence for multiple drivers of aerial insectivore declines in North America. Condor, 2019, 121, . | 0.7 | 73 |
| 501 | Nonstereoselective foliar absorption and translocation of cycloxaprid, a novel chiral neonicotinoid, in Chinese cabbage. Environmental Pollution, 2019, 252, 1593-1598. | 3.7 | 7 |
| 502 | Plant-Based Natural Product Chemistry for Integrated Pest Management of Drosophila suzukii. Journal of Chemical Ecology, 2019, 45, 626-637. | 0.9 | 19 |
| 503 | Catchment Water Resources. Landscape Series, 2019, , 153-178. | 0.1 | 1 |
| 504 | Deposition, Distribution, Metabolism, and Reduced Application Dose of Thiamethoxam in a Pepper-Planted Ecosystem. Journal of Agricultural and Food Chemistry, 2019, 67, 11848-11859. | 2.4 | 17 |
| 505 | Long-term large-scale decline in relative abundances of butterfly and burnet moth species across south-western Germany. Scientific Reports, 2019, 9, 14921. | 1.6 | 81 |
| 506 | Bombus (Hymenoptera: Apidae) Microcolonies as a Tool for Biological Understanding and Pesticide Risk Assessment. Environmental Entomology, 2019, 48, 1249-1259. | 0.7 | 35 |
| 507 | Quantification of organic contaminants in urban stormwater by isotope dilution and liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 7791-7806. | 1.9 | 41 |
| 508 | Insecticidal and Behavioral Effect of Microparticles of Pimpinella anisum Essential Oil on Larvae of Leptinotarsa decemlineata (Coleoptera: Chrysomelidae). Journal of Economic Entomology, 2020, 113, 255-262. | 0.8 | 8 |
| 509 | Food-related exposure to systemic pesticides and pesticides from transgenic plants: evaluation of aquatic test strategies. Environmental Sciences Europe, 2019, 31, . | 2.6 | 11 |
| 510 | A Neonicotinoid Insecticide at a Rate Found in Nectar Reduces Longevity but Not Oogenesis in Monarch Butterflies, Danaus plexippus (L.). (Lepidoptera: Nymphalidae). Insects, 2019, 10, 276. | 1.0 | 15 |
| 511 | Evaluation of Residue Levels of Imidacloprid and Thiamethoxam After Foliar Application to the Citrus Varieties Lane Late, Valencia Late, Rohde Summer, and Nules. Journal of Economic Entomology, 2019, 112, 2676-2685. | 0.8 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 512 | Honey bees as bioindicators of changing global agricultural landscapes. Current Opinion in Insect Science, 2019, 35, 132-137. | 2.2 | 41 |
| 513 | Corporate Environmental Disclosure in India: An Analysis of Multinational and Domestic Agrochemical Corporations. Sustainability, 2019, 11, 4843. | 1.6 | 8 |
| 514 | Design, Synthesis and Insecticidal Activities of Novel 5-Alkoxyfuran-2(5H)-one Derivatives. Chemical Research in Chinese Universities, 2019, 35, 799-805. | 1.3 | 4 |
| 515 | A holistic study of neonicotinoids neuroactive insecticidesâ€"properties, applications, occurrence, and analysis. Environmental Science and Pollution Research, 2019, 26, 34723-34740. | 2.7 | 63 |
| 516 | Comprehensive Survey of Area-Wide Agricultural Pesticide Use in Southern United States Row Crops and Potential Impact on Honey Bee Colonies. Insects, 2019, 10, 280. | 1.0 | 16 |
| 517 | Neonicotinoid seed treatments of soybean provide negligible benefits to US farmers. Scientific Reports, 2019, 9, 11207. | 1.6 | 62 |
| 518 | Plants mediate precipitation-driven transport of a neonicotinoid pesticide. Chemosphere, 2019, 222, 445-452. | 4.2 | 28 |
| 519 | Reproductive strategy and the effect of floral pillagers on fruit production of the passion flower Passiflora setacea cultivated in Brazil. Revista Brasileira De Botanica, 2019, 42, 63-71. | 0.5 | 5 |
| 520 | A Preliminary Assessment of Bumble Bee (Hymenoptera: Apidae) Habitat Suitability Across Protected and Unprotected Areas in the Philippines. Annals of the Entomological Society of America, 2019, 112, 44-49. | 1.3 | 6 |
| 521 | Competitive immunoassay for simultaneous detection of imidacloprid and thiacloprid by upconversion nanoparticles and magnetic nanoparticles. Environmental Science and Pollution Research, 2019, 26, 23471-23479. | 2.7 | 25 |
| 522 | Does winter oilseed rape grown from clothianidin-coated seeds affect experimental populations of mason bees and bumblebees? A semi-field and field study. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2019, 14, 223-238. | 0.5 | 12 |
| 524 | Foraging Economics of the Hunt Bumble Bee, a Viable Pollinator for Commercial Agriculture. Environmental Entomology, 2019, 48, 799-806. | 0.7 | 7 |
| 525 | An optimized approach for extraction and quantification of energy reserves in differentially fed bumble bees (Bombus). Journal of Apicultural Research, 2019, 58, 531-541. | 0.7 | 3 |
| 526 | Alternatives to neonicotinoids. Environment International, 2019, 129, 423-429. | 4.8 | 103 |
| 527 | Simultaneous determination of neonicotinoids and fipronil and its metabolites in environmental water from coastal bay using disk-based solid-phase extraction and high-performance liquid chromatographyâ€"tandem mass spectrometry. Chemosphere, 2019, 234, 224-231. | 4.2 | 63 |
| 528 | Ecological toxicity reduction of dinotefuran to honeybee: New perspective from an enantiomeric level. Environment International, 2019, 130, 104854. | 4.8 | 69 |
| 529 | Feeling the sting? Addressing land-use changes can mitigate bee declines. Land Use Policy, 2019, 87, 104005. | 2.5 | 27 |
| 530 | Keeping invertebrate research ethical in a landscape of shifting public opinion. Methods in Ecology and Evolution, 2019, 10, 1265-1273. | 2.2 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 531 | Repellency of insecticides and the effect of thiacloprid on bumble bee colony development in red clover (Trifolium pratense L.) seed crops. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2019, 69, 439-451. | 0.3 | 5 |
| 532 | Pesticide induced visual abnormalities in Asian honey bees (Apis cerana L.) in intensive agricultural landscapes. Chemosphere, 2019, 230, 51-58. | 4.2 | 14 |
| 533 | Enhanced diuron remediation by microorganism-immobilized silkworm excrement composites and their impact on soil microbial communities. Journal of Hazardous Materials, 2019, 376, 29-36. | 6.5 | 35 |
| 534 | Neonicotinoid insecticides in surface water from the central Yangtze River, China. Chemosphere, 2019, 229, 452-460. | 4.2 | 96 |
| 535 | The challenges posed by global broadacre crops in delivering smart agri-robotic solutions: A fundamental rethink is required. Global Food Security, 2019, 23, 116-124. | 4.0 | 56 |
| 536 | Sub-lethal concentrations of neonicotinoid insecticides at the field level affect negatively honey yield: Evidence from a 6-year survey of Greek apiaries. PLoS ONE, 2019, 14, e0215363. | 1.1 | 9 |
| 537 | Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. EFSA Journal, 2019, 17, e05634. | 0.9 | 201 |
| 538 | Incorporating citizen science, museum specimens, and field work into the assessment of extinction risk of the American Bumble bee (Bombus pensylvanicus De Geer 1773) in Canada. Journal of Insect Conservation, 2019, 23, 597-611. | 0.8 | 28 |
| 539 | Varietal Differences in Response to Imidacloprid Seed Treatment In Germination and Early Seedling Growth of Oilseed Rape. Seed Science and Technology, 2019, 47, 1-12. | 0.6 | 2 |
| 540 | Pesticide exposure affects flight dynamics and reduces flight endurance in bumblebees. Ecology and Evolution, 2019, 9, 5637-5650. | 0.8 | 41 |
| 541 | Residual behaviour of imidacloprid in the country bean growing soil. Bangladesh Journal of Agricultural Research, 2019, 44, 89-101. | 0.0 | 0 |
| 542 | Natural habitat increases natural pest control in olive groves: economic implications. Journal of Pest Science, 2019, 92, 1111-1121. | 1.9 | 25 |
| 543 | A neonicotinoid pesticide impairs foraging, but not learning, in free-flying bumblebees. Scientific Reports, 2019, 9, 4764. | 1.6 | 64 |
| 544 | Impact of acute oral exposure to thiamethoxam on the homing, flight, learning acquisition and shortâ€term retention of <scp>Apis cerana</scp>. Pest Management Science, 2019, 75, 2975-2980. | 1.7 | 22 |
| 545 | Urinary monitoring of neonicotinoid imidacloprid exposure to pesticide applicators. Science of the Total Environment, 2019, 669, 721-728. | 3.9 | 50 |
| 546 | Honey bee (Apis mellifera) exposomes and dysregulated metabolic pathways associated with Nosema ceranae infection. PLoS ONE, 2019, 14, e0213249. | 1.1 | 15 |
| 547 | Denmark defies EU neonicotinoid ban. Science, 2019, 363, 938-938. | 6.0 | 5 |
| 548 | Casteâ€•and pesticideâ€specific effects of neonicotinoid pesticide exposure on gene expression in bumblebees. Molecular Ecology, 2019, 28, 1964-1974. | 2.0 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 549 | Identification of the cytochrome P450 involved in the degradation of neonicotinoid insecticide acetamiprid in Phanerochaete chrysosporium. Journal of Hazardous Materials, 2019, 371, 494-498. | 6.5 | 47 |
| 550 | Chronic contact with realistic soil concentrations of imidacloprid affects the mass, immature development speed, and adult longevity of solitary bees. Scientific Reports, 2019, 9, 3724. | 1.6 | 61 |
| 551 | 4 DEE â€"What's Next? Designing Instruction and Assessing Student Learning. Bulletin of the Ecological Society of America, 2019, 100, e01552. | 0.2 | 6 |
| 552 | Gut microbiota: An underestimated and unintended recipient for pesticide-induced toxicity. Chemosphere, 2019, 227, 425-434. | 4.2 | 131 |
| 553 | A nationâ€wide survey of neonicotinoid insecticides in agricultural land with implications for agriâ€environment schemes. Journal of Applied Ecology, 2019, 56, 1502-1514. | 1.9 | 71 |
| 554 | Spinosad-mediated effects on survival, overall group activity and the midgut of workers of Partamona helleri (Hymenoptera: Apidae). Ecotoxicology and Environmental Safety, 2019, 175, 148-154. | 2.9 | 25 |
| 555 | Social Buffering of Pesticides in Bumblebees: Agent-Based Modeling of the Effects of Colony Size and Neonicotinoid Exposure on Behavior Within Nests. Frontiers in Ecology and Evolution, 2019, 7, . | 1.1 | 20 |
| 556 | Brain transcriptome of honey bees (Apis mellifera) exhibiting impaired olfactory learning induced by a sublethal dose of imidacloprid. Pesticide Biochemistry and Physiology, 2019, 156, 36-43. | 1.6 | 61 |
| 557 | Chronic exposure of bumblebees to neonicotinoid imidacloprid suppresses the entire mevalonate pathway and fatty acid synthesis. Journal of Proteomics, 2019, 196, 69-80. | 1.2 | 29 |
| 558 | Can Costs of Pesticide Exposure for Bumblebees Be Balanced by Benefits from a Mass-Flowering Crop?. Environmental Science & Technology, 2019, 53, 14144-14151. | 4.6 | 14 |
| 559 | Temperate Agroforestry Systems and Insect Pollinators: A Review. Forests, 2019, 10, 981. | 0.9 | 54 |
| 560 | Carbon Nanotube Chemical Sensors. Chemical Reviews, 2019, 119, 599-663. | 23.0 | 732 |
| 561 | The precautionary principle at work: The case of neonicotinoids and the health of bees. Science and Public Policy, 2019, 46, 441-449. | 1.2 | 5 |
| 562 | Coupled land use and ecological models reveal emergence and feedbacks in socioâ€ecological systems. Ecography, 2019, 42, 814-825. | 2.1 | 21 |
| 563 | Determination of thiacloprid, thiamethoxam and imidacloprid in tea samples by quenching terbium luminescence. Luminescence, 2019, 34, 460-464. | 1.5 | 7 |
| 564 | Effects of Red Clover Living Mulch on Arthropod Herbivores and Natural Enemies, and Cucumber Yield. Annals of the Entomological Society of America, 2019, 112, 356-364. | 1.3 | 16 |
| 565 | Dryland organic farming increases floral resources and bee colony success in highly simplified agricultural landscapes. Agriculture, Ecosystems and Environment, 2019, 270-271, 9-18. | 2.5 | 15 |
| 566 | RNAiâ€knockdown of the Locusta migratoria nuclear export factor protein results in insect mortality and alterations in gut microbiome. Pest Management Science, 2019, 75, 1383-1390. | 1.7 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 567 | Bumble bee (Bombus) distribution and diversity in Vermont, USA: a century of change. Journal of Insect Conservation, 2019, 23, 45-62. | 0.8 | 42 |
| 568 | Impact ofCameraria ohridellaonAesculus hippocastanumgrowth and long-term effects of trunk injection with pesticides. International Journal of Pest Management, 2019, 65, 33-43. | 0.9 | 13 |
| 569 | Susceptibility of kale cultivars to the wheat bug, Nysius huttoni (Hemiptera: Lygaeidae) in New Zealand. New Zealand Journal of Agricultural Research, 2020, 63, 467-477. | 0.9 | 2 |
| 570 | Reduced species richness of native bees in field margins associated with neonicotinoid concentrations in non-target soils. Agriculture, Ecosystems and Environment, 2020, 287, 106693. | 2.5 | 47 |
| 571 | Global Trends in Bumble Bee Health. Annual Review of Entomology, 2020, 65, 209-232. | 5.7 | 189 |
| 572 | Defining Pollinator Health: A Holistic Approach Based on Ecological, Genetic, and Physiological Factors. Annual Review of Animal Biosciences, 2020, 8, 269-294. | 3.6 | 57 |
| 573 | Acute and chronic toxicity of acetamiprid, carbaryl, cypermethrin and deltamethrin to Apis mellifera larvae reared in vitro. Pest Management Science, 2020, 76, 978-985. | 1.7 | 39 |
| 574 | Terrestrial adult stages of freshwater insects are sensitive to insecticides. Chemosphere, 2020, 239, 124799. | 4.2 | 4 |
| 575 | Environmental impacts of reduced-risk and conventional pesticide programs differ in commercial apple orchards, but similarly influence pollinator community. Chemosphere, 2020, 240, 124926. | 4.2 | 14 |
| 577 | Neonicotinoid Insecticides: Molecular Targets, Resistance, and Toxicity. Annual Review of Pharmacology and Toxicology, 2020, 60, 241-255. | 4.2 | 168 |
| 578 | Effects of the Entomopathogenic Fungus Metarhizium anisopliae on the Mortality and Immune Response of Locusta migratoria. Insects, 2020, 11, 36. | 1.0 | 25 |
| 579 | Neurotoxicity of Neonicotinoids. Advances in Neurotoxicology, 2020, 4, 167-207. | 0.7 | 21 |
| 580 | Different preys affecting biology and life table parameters of Exochomus nigripennis (Erichson) (Col.:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf of Tropical Insect Science, 2020, 40, 21-26. | 0.4 | 2 |
| 581 | A survey on wireless sensor network technologies in pest management applications. SN Applied Sciences, 2020, 2, 1. | 1.5 | 11 |
| 582 | What kind of flowering plants are attractive for bumblebees in urban green areas?. Urban Forestry and Urban Greening, 2020, 48, 126546. | 2.3 | 14 |
| 583 | Bees and pesticide regulation: Lessons from the neonicotinoid experience. Biological Conservation, 2020, 241, 108356. | 1.9 | 91 |
| 584 | IPM-recommended insecticides harm beneficial insects through contaminated honeydew. Environmental Pollution, 2020, 267, 115581. | 3.7 | 14 |
| 585 | Evaluating imidacloprid exposure among grape field male workers using biological and environmental assessment tools: An exploratory study. International Journal of Hygiene and Environmental Health, 2020, 230, 113625. | 2.1 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 586 | Multichannel nanoplasmonic platform for imidacloprid and fipronil residues rapid screen detection. Biosensors and Bioelectronics, 2020, 170, 112677. | 5.3 | 22 |
| 587 | Size variation does not act as insurance in bumble bees; instead, workers add weight in an unpredictable environment. Animal Behaviour, 2020, 170, 99-109. | 0.8 | 9 |
| 588 | Lethal and Sublethal Effects of Pyriproxyfen on Apis and Non-Apis Bees. Toxics, 2020, 8, 104. | 1.6 | 9 |
| 589 | Positive Correlation between Pesticide Consumption and Longevity in Solitary Bees: Are We Overlooking Fitness Trade-Offs?. Insects, 2020, 11, 819. | 1.0 | 11 |
| 590 | Neonicotinoids and decline in bird biodiversity in the United States. Nature Sustainability, 2020, 3, 1027-1035. | 11.5 | 79 |
| 591 | Individual and combined impacts of sulfoxaflor and Nosema bombi on bumblebee ( Bombus terrestris ) larval growth. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200935. | 1.2 | 18 |
| 592 | Highly Sensitive SERS Detection of Neonicotinoid Pesticides. Complete Raman Spectral Assignment of Clothianidin and Imidacloprid. Journal of Physical Chemistry A, 2020, 124, 7238-7247. | 1.1 | 34 |
| 593 | Residual concentrations and ecological risks of neonicotinoid insecticides in the soils of tomato and cucumber greenhouses in Shouguang, Shandong Province, East China. Science of the Total Environment, 2020, 738, 140248. | 3.9 | 39 |
| 594 | Myosuppressin influences fecundity in the Colorado potato beetle, Leptinotarsa decemlineata. Insect Science, 2020, 28, 1191-1201. | 1.5 | 3 |
| 595 | The effect of temperature on candidate gene expression in the brain of honey bee Apis mellifera (Hymenoptera: Apidae) workers exposed to neonicotinoid imidacloprid. Journal of Thermal Biology, 2020, 93, 102696. | 1.1 | 6 |
| 596 | Do novel insecticides pose a threat to beneficial insects?. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201265. | 1.2 | 70 |
| 597 | Agrochemicals Impact on Ecosystem and Bio-monitoring. , 2020, , 349-388. | | 17 |
| 598 | Genetic Variation Influences Tolerance to a Neonicotinoid Insecticide in 3 Butterfly Species. Environmental Toxicology and Chemistry, 2020, 39, 2228-2236. | 2.2 | 6 |
| 599 | Agricultural landscape composition affects the development and life expectancy of colonies of Bombus impatiens. Ecosphere, 2020, 11, e03142. | 1.0 | 4 |
| 600 | The maturation of ecosystem services: Social and policy research expands, but whither biophysically informed valuation?. People and Nature, 2020, 2, 1021-1060. | 1.7 | 47 |
| 601 | The Importance of Males to Bumble Bee (Bombus Species) Nest Development and Colony Viability. Insects, 2020, 11, 506. | 1.0 | 30 |
| 602 | Literature Review: Global Neonicotinoid Insecticide Occurrence in Aquatic Environments. Water (Switzerland), 2020, 12, 3388. | 1.2 | 75 |
| 603 | The Neonicotinoid Insecticide Imidacloprid Disrupts Bumblebee Foraging Rhythms and Sleep. IScience, 2020, 23, 101827. | 1.9 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 604 | Detecting landscape scale consequences of insecticide use on invertebrate communities. Advances in Ecological Research, 2020, 63, 93-126. | 1.4 | 4 |
| 605 | Experimental infection of bumblebees with honeybee-associated viruses: no direct fitness costs but potential future threats to novel wild bee hosts. Royal Society Open Science, 2020, 7, 200480. | 1.1 | 24 |
| 606 | Neonicotinoid insecticides hinder the pupation and metamorphosis into adults in a crabronid wasp. Scientific Reports, 2020, 10, 7077. | 1.6 | 11 |
| 607 | Oneâ€size does not fit all: atâ€risk bumble bee habitat management requires speciesâ€specific local and landscape considerations. Insect Conservation and Diversity, 2020, 13, 558-570. | 1.4 | 14 |
| 608 | Urinary Metabolites of Neonicotinoid Insecticides: Levels and Recommendations for Future Biomonitoring Studies in China. Environmental Science & Technology, 2020, 54, 8210-8220. | 4.6 | 68 |
| 609 | The impact of pollen quality on the sensitivity of bumblebees to pesticides. Acta Oecologica, 2020, 105, 103552. | 0.5 | 15 |
| 610 | Highly selective detection of an organophosphorus pesticide, methyl parathion, using Agâ€“ZnOâ€“SWCNT based field-effect transistors. Journal of Materials Chemistry C, 2020, 8, 8864-8875. | 2.7 | 15 |
| 611 | Application technology of imidacloprid in wheat: Effects on Schizaphis graminum management and natural enemies. African Journal of Plant Science, 2020, 14, 36-44. | 0.4 | 1 |
| 612 | Development of immunoassays with high sensitivity for detecting imidacloprid in environment and agro-products using phage-borne peptides. Science of the Total Environment, 2020, 723, 137909. | 3.9 | 15 |
| 613 | An update of the Worldwide Integrated Assessment (WIA) on systemic pesticides. Part 4: Alternatives in major cropping systems. Environmental Science and Pollution Research, 2020, 27, 29867-29899. | 2.7 | 68 |
| 614 | Pesticide Contamination of Milkweeds Across the Agricultural, Urban, and Open Spaces of Low-Elevation Northern California. Frontiers in Ecology and Evolution, 2020, 8, . | 1.1 | 28 |
| 615 | Immunosuppression response to the neonicotinoid insecticide thiacloprid in females and males of the red mason bee Osmia bicornis L.. Scientific Reports, 2020, 10, 4670. | 1.6 | 23 |
| 616 | Imidacloprid impairs performance on a model flower handling task in bumblebees (Bombus impatiens). Ecotoxicology, 2020, 29, 359-374. | 1.1 | 9 |
| 617 | Insecticide exposure during brood or early-adult development reduces brain growth and impairs adult learning in bumblebees. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192442. | 1.2 | 39 |
| 618 | Equivocal Evidence for Colony Level Stress Effects on Bumble Bee Pollination Services. Insects, 2020, 11, 191. | 1.0 | 14 |
| 619 | A Review of Sub-lethal Neonicotinoid Insecticides Exposure and Effects on Pollinators. Current Pollution Reports, 2020, 6, 137-151. | 3.1 | 44 |
| 620 | Evaluating Native Bee Communities and Nutrition in Managed Grasslands. Environmental Entomology, 2020, 49, 717-725. | 0.7 | 8 |
| 621 | Are cities hotspots for bees? Local and regional diversity patterns lead to different conclusions. Urban Ecosystems, 2020, 23, 713-722. | 1.1 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 622 | Computational insight on the binding and selectivity of target-subunit-dependent for neonicotinoid insecticides. Journal of Molecular Graphics and Modelling, 2020, 98, 107586. | 1.3 | 13 |
| 623 | Immunotoxicity evaluation by subchronic oral administration of clothianidin in Sprague-Dawley rats. Journal of Veterinary Medical Science, 2020, 82, 360-372. | 0.3 | 13 |
| 624 | Cofactor-enabled functional expression of fruit fly, honeybee, and bumblebee nicotinic receptors reveals picomolar neonicotinoid actions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16283-16291. | 3.3 | 61 |
| 625 | No evidence for neonicotinoid preferences in the bumblebee Bombus impatiens. Royal Society Open Science, 2020, 7, 191883. | 1.1 | 23 |
| 626 | Preparation of sodium alginate-poly (vinyl alcohol) blend beads for base-triggered release of dinotefuran in Spodoptera litera midgut. Ecotoxicology and Environmental Safety, 2020, 202, 110935. | 2.9 | 22 |
| 627 | Landscape composition and local floral resources influence foraging behavior but not the size of Bombus impatiens Cresson (Hymenoptera: Apidae) workers. PLoS ONE, 2020, 15, e0234498. | 1.1 | 11 |
| 628 | Agriâ€environment schemes enhance pollinator richness and abundance but bumblebee reproduction depends on field size. Journal of Applied Ecology, 2020, 57, 1818-1828. | 1.9 | 39 |
| 629 | Pesticides use, practice and its effect on honeybee in Ethiopia: a review. International Journal of Tropical Insect Science, 2020, 40, 473-481. | 0.4 | 19 |
| 630 | Impact of insecticide and pollinator-enhancing substrate applications on cocoa (Theobroma cacao) cherelle and pod production in CÃ´te dâ€™Ivoire. Agriculture, Ecosystems and Environment, 2020, 293, 106855. | 2.5 | 7 |
| 631 | Modification of the head proteome of nurse honeybees (Apis mellifera) exposed to field-relevant doses of pesticides. Scientific Reports, 2020, 10, 2190. | 1.6 | 17 |
| 632 | Ecological impacts of pesticide seed treatments on arthropod communities in a grain crop rotation. Journal of Applied Ecology, 2020, 57, 936-951. | 1.9 | 19 |
| 633 | Transcriptome analysis reveals nutritionâ€and ageâ€related patterns of gene expression in the fat body of preâ€overwintering bumble bee queens. Molecular Ecology, 2020, 29, 720-737. | 2.0 | 41 |
| 634 | Protective effects of melatonin and vitamin E in acetamiprid-induced nephrotoxicity. Environmental Science and Pollution Research, 2020, 27, 9202-9213. | 2.7 | 14 |
| 635 | Chloronicotinyl insecticide imidacloprid: Agricultural relevance, pitfalls and emerging opportunities. Crop Protection, 2020, 131, 105097. | 1.0 | 13 |
| 636 | Urbanisation is associated with reduced Nosema sp. infection, higher colony strength and higher richness of foraged pollen in honeybees. Apidologie, 2020, 51, 746-762. | 0.9 | 16 |
| 637 | Past, present and future distributions of bumblebees in South America: Identifying priority species and areas for conservation. Journal of Applied Ecology, 2020, 57, 1829-1839. | 1.9 | 21 |
| 638 | Bee community response to local and landscape factors along an urban-rural gradient. Urban Ecosystems, 2020, 23, 689-702. | 1.1 | 22 |
| 639 | Graph attention convolutional neural network model for chemical poisoning of honey beesâ€™ prediction. Science Bulletin, 2020, 65, 1184-1191. | 4.3 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 640 | Sulfoxaflor Degraded by Aminobacter sp. CGMCC 1.17253 through Hydration Pathway Mediated by Nitrile Hydratase. Journal of Agricultural and Food Chemistry, 2020, 68, 4579-4587. | 2.4 | 16 |
| 641 | Pollinator exposure to systemic insecticides and fungicides applied in the previous fall and pre-bloom period in apple orchards. Environmental Pollution, 2020, 265, 114589. | 3.7 | 29 |
| 642 | The need for an evolutionary approach to ecotoxicology. Nature Ecology and Evolution, 2020, 4, 895-895. | 3.4 | 35 |
| 643 | Glyphosate-based herbicides and Nosema sp. microsporidia reduce honey bee (Apis) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0 332-342. | 0.7 | 27 |
| 644 | Compounds without borders: AÂmechanism for quantifying complex odors and responses to scent-pollution in bumblebees. PLoS Computational Biology, 2020, 16, e1007765. | 1.5 | 6 |
| 645 | Occurrence of neonicotinoid insecticides and their metabolites in tooth samples collected from south China: Associations with periodontitis. Chemosphere, 2021, 264, 128498. | 4.2 | 23 |
| 646 | A sensitive immunoassay based on fluorescence resonance energy transfer from up-converting nanoparticles and graphene oxide for one-step detection of imidacloprid. Food Chemistry, 2021, 335, 127609. | 4.2 | 41 |
| 647 | Influence of neonicotinoids on pollinators: A review. Journal of Apicultural Research, 2021, 60, 19-32. | 0.7 | 14 |
| 648 | Multiple stressors interact to impair the performance of bumblebee Bombus terrestris colonies. Journal of Animal Ecology, 2021, 90, 415-431. | 1.3 | 24 |
| 649 | Landscape simplification increases vineyard pest outbreaks and insecticide use. Ecology Letters, 2021, 24, 73-83. | 3.0 | 56 |
| 650 | Interactions among global change pressures act in a nonâ€additive way on bumblebee individuals and colonies. Functional Ecology, 2021, 35, 420-434. | 1.7 | 23 |
| 651 | A nationwide study of occurrence and exposure assessment of neonicotinoid insecticides and their metabolites in drinking water of China. Water Research, 2021, 189, 116630. | 5.3 | 97 |
| 652 | Impacts of Neonicotinoids on the Bumble Bees Bombus terrestris and Bombus impatiens Examined through the Lens of an Adverse Outcome Pathway Framework. Environmental Toxicology and Chemistry, 2021, 40, 309-322. | 2.2 | 17 |
| 653 | Biotransformation of flonicamid and sulfoxaflor by multifunctional bacterium Ensifer meliloti CGMCC 7333. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, 56, 122-131. | 0.7 | 8 |
| 654 | Clothianidin decomposition in Missouri wetland soils. Journal of Environmental Quality, 2021, 50, 241-251. | 1.0 | 6 |
| 655 | Short-term lab assessments and microcolonies are insufficient for the risk assessment of insecticides for bees. Chemosphere, 2021, 273, 128518. | 4.2 | 18 |
| 656 | White-rot fungus Phanerochaete chrysosporium metabolizes chloropyridinyl-type neonicotinoid insecticides by an N-dealkylation reaction catalyzed by two cytochrome P450s. Journal of Hazardous Materials, 2021, 402, 123831. | 6.5 | 34 |
| 657 | Science, the Endless Frontier of Regulatory Capture. SSRN Electronic Journal, 0, , . | 0.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 658 | Long-term field evaluation and large-scale application of a Metarhizium anisopliae strain for controlling major rice pests. Journal of Pest Science, 2021, 94, 969-980. | 1.9 | 19 |
| 659 | Striped cucumber Beetle and Western Striped Cucumber Beetle (Coleoptera: Chrysomelidae). Journal of Integrated Pest Management, 2021, 12, . | 0.9 | 17 |
| 660 | Neonicotinoids disrupt memory, circadian behaviour and sleep. Scientific Reports, 2021, 11, 2061. | 1.6 | 30 |
| 661 | A QuEChERS-HPLC-MS/MS Method with Matrix Matching Calibration Strategy for Determination of Imidacloprid and Its Metabolites in Procambarus clarkii (Crayfish) Tissues. Molecules, 2021, 26, 274. | 1.7 | 7 |
| 662 | Effects of acetamiprid and flumethrin on Unio sp. primary cells. Biologia (Poland), 2021, 76, 1359-1365. | 0.8 | 7 |
| 663 | Population decline in a ground-nesting solitary squash bee (Eucera pruinosa) following exposure to a neonicotinoid insecticide treated crop (Cucurbita pepo). Scientific Reports, 2021, 11, 4241. | 1.6 | 62 |
| 664 | Floral resource diversification promotes solitary bee reproduction and may offset insecticide effects â€“ evidence from a semiâ€field experiment. Ecology Letters, 2021, 24, 668-675. | 3.0 | 58 |
| 665 | A hierarchical framework for mapping pollination ecosystem service potential at the local scale. Ecological Modelling, 2021, 444, 109484. | 1.2 | 14 |
| 666 | Experimental evidence of the importance of multitrophic structure for species persistence. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 35 |
| 667 | Effect of Neonicotinoid Exposure on the Life History Traits and Susceptibility to Plasmodium Infection on the Major Avian Malaria Vector Culex pipiens (Diptera: Culicidae). Parasitologia, 2021, 1, 20-33. | 0.6 | 3 |
| 668 | Probing Matrix Effects on the Heterogeneous Photochemistry of Neonicotinoid Pesticides, Dinotefuran and Nitenpyram. ACS Earth and Space Chemistry, 2021, 5, 1196-1209. | 1.2 | 4 |
| 669 | Profiles of neonicotinoid insecticides and their metabolites in paired saliva and periodontal blood samples in human from South China: Association with oxidative stress markers. Ecotoxicology and Environmental Safety, 2021, 212, 112001. | 2.9 | 30 |
| 670 | The sublethal effects of neonicotinoids on spiders are independent of their nutritional status. Scientific Reports, 2021, 11, 8496. | 1.6 | 5 |
| 671 | The Power of Drosophila melanogaster for Modeling Neonicotinoid Effects on Pollinators and Identifying Novel Mechanisms. Frontiers in Physiology, 2021, 12, 659440. | 1.3 | 15 |
| 672 | Genome-Wide Identification and Analysis of Nilaparvata lugens microRNAs during Challenge with the Entomopathogenic Fungus Metarhizium anisopliae. Journal of Fungi (Basel, Switzerland), 2021, 7, 295. | 1.5 | 3 |
| 674 | Zeolitic imidazolate framework-8 decorated with gold nanoparticles for solid-phase extraction of neonicotinoids in agricultural samples. Mikrochimica Acta, 2021, 188, 197. | 2.5 | 12 |
| 675 | The structure modification of seven-membered aza-brigded neonicotinoids in order to investigate their impact on honey bees. Journal of Chemical Research, 2021, 45, 835-844. | 0.6 | 3 |
| 676 | Landscape Enhancements in Apple Orchards: Higher Bumble Bee Queen Species Richness, but No Effect on Apple Quality. Insects, 2021, 12, 421. | 1.0 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 677 | Bees and pesticides: the research impact and scientometrics relations. Environmental Science and Pollution Research, 2021, 28, 32282-32298. | 2.7 | 29 |
| 678 | Supplemental forage ameliorates the negative impact of insecticides on bumblebees in a pollinator-dependent crop. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210785. | 1.2 | 12 |
| 680 | Characteristics of neonicotinoid and metabolite residues in Taiwanese tea leaves. Journal of the Science of Food and Agriculture, 2022, 102, 341-349. | 1.7 | 7 |
| 681 | Profiles of neonicotinoid insecticides and characteristic metabolites in paired urine and blood samples: Partitioning between urine and blood and implications for human exposure. Science of the Total Environment, 2021, 773, 145582. | 3.9 | 34 |
| 682 | Neonicotinoid Pesticides Cause Mass Fatalities of Native Bumble Bees: A Case Study From Wilsonville, Oregon, United States. Environmental Entomology, 2021, 50, 1095-1104. | 0.7 | 13 |
| 683 | Insights into the degradation and toxicity difference mechanism of neonicotinoid pesticides in honeybees by mass spectrometry imaging. Science of the Total Environment, 2021, 774, 145170. | 3.9 | 24 |
| 684 | The costs and benefits of sunflower pollen diet on bumble bee colony disease and health. Ecosphere, 2021, 12, e03663. | 1.0 | 12 |
| 685 | Retention and distribution of pesticides in planted filter microcosms designed for treatment of agricultural surface runoff. Science of the Total Environment, 2021, 778, 146114. | 3.9 | 22 |
| 686 | Sulfoxaflor insecticide and azoxystrobin fungicide have no major impact on honeybees in a realistic-exposure semi-field experiment. Science of the Total Environment, 2021, 778, 146084. | 3.9 | 26 |
| 687 | Large variability in response to projected climate and landâ€use changes among European bumblebee species. Global Change Biology, 2021, 27, 4530-4545. | 4.2 | 12 |
| 688 | Epigenetic Effects Promoted by Neonicotinoid Thiacloprid Exposure. Frontiers in Cell and Developmental Biology, 2021, 9, 691060. | 1.8 | 12 |
| 689 | The Pathogens Spillover and Incidence Correlation in Bumblebees and Honeybees in Slovenia. Pathogens, 2021, 10, 884. | 1.2 | 15 |
| 690 | Ecological-economic modeling of pollination complexity and pesticide use in agricultural crops. Journal of Bioeconomics, 0, , 1. | 1.5 | 4 |
| 691 | The protective role of resveratrol against sulfoxaflorâ€induced toxicity in testis of adult male rats. Environmental Toxicology, 2021, 36, 2105-2115. | 2.1 | 4 |
| 692 | EU Court to rule on banned pesticide use. Science, 2021, 373, 290-290. | 6.0 | 7 |
| 693 | The Utility of a Bumble Bee (Bombus spp. [Hymenoptera: Apidae]) Brood Test for Evaluating the Effects of Pesticides. Environmental Entomology, 2021, 50, 1105-1117. | 0.7 | 3 |
| 694 | Conservation genomics reveals pesticide and pathogen exposure in the declining bumble bee Bombus terricola. Molecular Ecology, 2021, 30, 4220-4230. | 2.0 | 20 |
| 695 | Pesticide Impact on Honeybees Declines and Emerging Food Security Crisis. , 0, , . | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 696 | Flowers as dirty doorknobs: Deformed wing virus transmitted between Apis mellifera and Bombus impatiens through shared flowers. Journal of Applied Ecology, 2021, 58, 2065-2074. | 1.9 | 29 |
| 697 | Withinâ€Body Distributions and Feeding Effects of the Neonicotinoid Insecticide Clothianidin in Bumblebees (Bombus terrestris). Environmental Toxicology and Chemistry, 2021, 40, 2781-2790. | 2.2 | 1 |
| 698 | Newer characters, same story: neonicotinoid insecticides disrupt food webs through direct and indirect effects. Current Opinion in Insect Science, 2021, 46, 50-56. | 2.2 | 36 |
| 699 | Determination of the Content of Selected Pesticides in Surface Waters as a Marker of Environmental Pollution. Sustainability, 2021, 13, 8942. | 1.6 | 0 |
| 700 | A farm-level ecological-economic approach of the inclusion of pollination services in arable crop farms. Land Use Policy, 2021, 107, 105462. | 2.5 | 6 |
| 701 | Improved mitochondrial function corrects immunodeficiency and impaired respiration in neonicotinoid exposed bumblebees. PLoS ONE, 2021, 16, e0256581. | 1.1 | 7 |
| 702 | The science behind the ban: the outstanding impact of ecotoxicological research on the regulation of neonicotinoids. Current Opinion in Insect Science, 2021, 46, 78-82. | 2.2 | 18 |
| 703 | Occurrence and distribution of neonicotinoids and characteristic metabolites in paired urine and indoor dust from young adults: Implications for human exposure. Environmental Research, 2021, 199, 111175. | 3.7 | 31 |
| 704 | Lethal and sublethal effects of thiamethoxam, a neonicotinoid molecule, on colony performance of A. mellifera. Environmental Science and Pollution Research, 2022, 29, 10826-10837. | 2.7 | 5 |
| 705 | Eusocial insect declines: Insecticide impairs sperm and feeding glands in bumblebees. Science of the Total Environment, 2021, 785, 146955. | 3.9 | 13 |
| 706 | Fieldâ€realistic neonicotinoid exposure has subâ€lethal effects on nonâ€Apis bees: A metaâ€analysis. Ecology Letters, 2021, 24, 2586-2597. | 3.0 | 47 |
| 707 | Exposure of wild boars (Sus scrofa L) to neonicotinoid insecticides. Chemosphere, 2021, 279, 130519. | 4.2 | 4 |
| 708 | Identification of Bacterial Wilt (Erwinia tracheiphila) Resistances in USDA Melon Collection. Plants, 2021, 10, 1972. | 1.6 | 1 |
| 709 | Neonicotinoids stimulate H2-limited methane emission in Periplaneta americana through the regulation of gut bacterium community. Environmental Pollution, 2021, 285, 117237. | 3.7 | 1 |
| 710 | Maineâ€™s Bumble Bees (Hymenoptera: Apidae)â€”Part 2: Comparisons of a Common (Bombus ternarius) and a Rare (Bombus terricola) Species. Environmental Entomology, 2021, , . | 0.7 | 2 |
| 711 | Competitive immunosensor for sensitive and optical anti-interference detection of imidacloprid by surface-enhanced Raman scattering. Food Chemistry, 2021, 358, 129898. | 4.2 | 21 |
| 712 | Neonicotinoids from coated seeds toxic for honeydew-feeding biological control agents. Environmental Pollution, 2021, 289, 117813. | 3.7 | 9 |
| 713 | Pollution status, influencing factors and environmental risks of neonicotinoids, fipronil and its metabolites in a typical semi-closed bay in China. Environmental Pollution, 2021, 291, 118210. | 3.7 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 714 | Metabolic disturbance in lettuce (Lactuca sativa) plants triggered by imidacloprid and fenvalerate. Science of the Total Environment, 2022, 802, 149764. | 3.9 | 28 |
| 715 | Screening and Optimization of Novel Low Bee-Toxicity Phenylace- tohydrazone Compounds Based on Insect nAChR Selectivity. Chinese Journal of Organic Chemistry, 2021, 41, 2774. | 0.6 | 2 |
| 717 | Possible Spillover of Pathogens between Bee Communities Foraging on the Same Floral Resource. Insects, 2021, 12, 122. | 1.0 | 28 |
| 718 | Environmental and Health Effects of Pesticide Residues. Sustainable Agriculture Reviews, 2021, , 311-336. | 0.6 | 42 |
| 719 | The Impact of Integrated Pest Management Programs on Pesticide Use in California, USA. , 2014, , 173-200. | | 13 |
| 720 | Influence of landscape context on the abundance of native bee pollinators in tomato crops in Central Brazil. Journal of Insect Conservation, 2017, 21, 715-726. | 0.8 | 21 |
| 721 | Stereoisomeric Isolation and Stereoselective Fate of Insecticide Paichongding in Flooded Paddy Soils. Environmental Science & Technology, 2013, 47, 12768-12774. | 4.6 | 34 |
| 722 | Pesticide reduces bumblebee colony initiation and increases probability of population extinction. Nature Ecology and Evolution, 2017, 1, 1308-1316. | 3.4 | 123 |
| 723 | Bumble bees in landscapes with abundant floral resources have lower pathogen loads. Scientific Reports, 2020, 10, 22306. | 1.6 | 46 |
| 727 | A new method to assess the acute toxicity toward honeybees of the abrasion particles generated from seeds coated with insecticides. Environmental Sciences Europe, 2020, 32, . | 2.6 | 11 |
| 728 | Toxicity of Fenpyroximate, Difenoconazole and Mineral Oil on Apis mellifera L. Introduction. Sociobiology, 2018, 65, 737. | 0.2 | 9 |
| 729 | Pest control in German forests: General patterns of biodiversity and possible impacts of Btk, diflubenzuron and lambda-Cyhalothrin on non-target arthropods, birds and bats â€“ a literature review. Journal of Forest and Landscape Research, 2019, 4, 1-26. | 0.3 | 4 |
| 730 | Assessing Insecticide Hazard to Bumble Bees Foraging on Flowering Weeds in Treated Lawns. PLoS ONE, 2013, 8, e66375. | 1.1 | 83 |
| 731 | Comparative Toxicities and Synergism of Apple Orchard Pesticides to Apis mellifera (L.) and Osmia cornifrons (Radoszkowski). PLoS ONE, 2013, 8, e72587. | 1.1 | 127 |
| 732 | Disruption of Foraging by a Dominant Invasive Species to Decrease Its Competitive Ability. PLoS ONE, 2014, 9, e90173. | 1.1 | 11 |
| 733 | Neonicotinoids Interfere with Specific Components of Navigation in Honeybees. PLoS ONE, 2014, 9, e91364. | 1.1 | 260 |
| 734 | Chronic Exposure of Imidacloprid and Clothianidin Reduce Queen Survival, Foraging, and Nectar Storing in Colonies of Bombus impatiens. PLoS ONE, 2014, 9, e91573. | 1.1 | 66 |
| 735 | Neonicotinoid Insecticides and Their Impacts on Bees: A Systematic Review of Research Approaches and Identification of Knowledge Gaps. PLoS ONE, 2015, 10, e0136928. | 1.1 | 236 |

| # | Article | IF | Citations |
|---|---|---|---|
| 736 | Levels of Selected Persistent Organic Pollutants (PCB, PBDE) and Pesticides in Honey Bee Pollen Sampled in Poland. PLoS ONE, 2016, 11, e0167487. | 1.1 | 51 |
| 737 | Potential impact of neonicotinoid use on Northern bobwhite (Colinus virginianus) in Texas: A historical analysis. PLoS ONE, 2018, 13, e0191100. | 1.1 | 21 |
| 738 | Field rates of Sivantoâ„¢ (flupyradifurone) and TransformÂ® (sulfoxaflor) increase oxidative stress and induce apoptosis in honey bees (Apis mellifera L.). PLoS ONE, 2020, 15, e0233033. | 1.1 | 43 |
| 739 | Effects of the neonicotinoid acetamiprid in syrup on Bombus impatiens (Hymenoptera: Apidae) microcolony development. PLoS ONE, 2020, 15, e0241111. | 1.1 | 8 |
| 740 | Preliminary acute toxicity study on imidacloprid in Swiss albino mice. Veterinary World, 2013, 6, 955-959. | 0.7 | 9 |
| 741 | Explaining Differences in Scientific Expertise Use: The Politics of Pesticides. Politics and Governance, 2015, 3, 114-127. | 0.8 | 15 |
| 743 | Neonikotinoidlerin Zehir Etkilerini Belirlemede LD50 DeÄŸerleri FarklÄ± ArÄ± TÃ¼rleri Ä°Ã§in YanÄ±ltÄ±cÄ± Bir Ã–ngÃ¶sterge Olabilir. Uludag Aricilik Dergisi, 0, , 19-33. | 0.6 | 5 |
| 744 | The reproductive side effects of Imidacloprid in pregnant Wistar rat. International Journal of Cellular and Molecular Biotechnology, 2015, 2015, 10-18. | 0.5 | 5 |
| 745 | Immune Suppression by Neonicotinoid Insecticides at the Root of Global Wildlife Declines. Journal of Environmental Immunology and Toxicology, 2013, 1, 3. | 1.1 | 94 |
| 746 | Insect pollination is important in a smallholder bean farming system. PeerJ, 2020, 8, e10102. | 0.9 | 14 |
| 747 | Are neonicotinoid insecticides driving declines of widespread butterflies?. PeerJ, 2015, 3, e1402. | 0.9 | 85 |
| 748 | No effect of low-level chronic neonicotinoid exposure on bumblebee learning and fecundity. PeerJ, 2016, 4, e1808. | 0.9 | 27 |
| 749 | Comparison of buckwheat, red clover, and purple tansy as potential surrogate plants for use in semi-field pesticide risk assessments withBombus impatiens. PeerJ, 2016, 4, e2228. | 0.9 | 4 |
| 750 | Effects of chronic exposure to thiamethoxam on larvae of the hoverflyEristalis tenax(Diptera,) Tj ETQq1 1 0.784314 rgBT /Over | 0.9 | 14 |
| 751 | Larval exposure to the neonicotinoid imidacloprid impacts adult size in the farmland butterfly Pieris brassicae. PeerJ, 2018, 6, e4772. | 0.9 | 28 |
| 752 | No evidence for negative impacts of acute sulfoxaflor exposure on bee olfactory conditioning or working memory. PeerJ, 2019, 7, e7208. | 0.9 | 43 |
| 753 | Neonicotinoids impact bumblebee colony fitness in the field; a reanalysis of the UKâ€™s Food & Environment Research Agency 2012 experiment. PeerJ, 2015, 3, e854. | 0.9 | 59 |
| 754 | The Role of Temperate Agroforestry Practices in Supporting Pollinators. , 2021, , 275-304. | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 755 | LSPR immuno-sensing based on iso-Y nanopillars for highly sensitive and specific imidacloprid detection. Journal of Materials Chemistry B, 2021, 9, 9153-9161. | 2.9 | 9 |
| 756 | Occurrence, variations, and risk assessment of neonicotinoid insecticides in Harbin section of the Songhua River, northeast China. Environmental Science and Ecotechnology, 2021, 8, 100128. | 6.7 | 21 |
| 757 | The Effect of Neonicotinoid Insecticides on the Structure and Stability of Bio-Macromolecules. , 0, , . | | 2 |
| 758 | Imidacloprid Crystal Polymorphs for Disease Vector Control and Pollinator Protection. Journal of the American Chemical Society, 2021, 143, 17144-17152. | 6.6 | 27 |
| 759 | Early resources lead to persistent benefits for bumble bee colony dynamics. Ecology, 2022, 103, e03560. | 1.5 | 11 |
| 760 | Science, the endless frontier of regulatory capture. Futures, 2022, 135, 102860. | 1.4 | 22 |
| 761 | Seasonal and Altitudinal Variation in Pollinator Communities in Grand Teton National Park. Annual Report, 0, 34, 5-11. | 0.0 | 2 |
| 762 | Oral Vaccination of Honeybees Against Varroa Destructor. , 2013, , 269-278. | | 0 |
| 764 | Confidentiality in EU Pesticide Risk Assessment: A Violation of the Aarhus Convention?. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 766 | Sample Preparation for Determination of Pesticides by High-Performance Liquid Chromatography and Liquid Chromatographyâ€“Tandem Mass Spectrometry. Chromatographic Science, 2015, , 289-302. | 0.1 | 0 |
| 767 | Landnutzungsmodellierung und Ã¶kologische Dienstleistungen. , 2016, , 1-21. | | 0 |
| 768 | Scientific Breeding in the Twentieth Century and Future Goals. , 2016, , 39-71. | | 1 |
| 770 | Flowering phenology and bumblebee activity in early summer in Grand Teton National Park. Annual Report, 0, 39, 58-63. | 0.0 | 1 |
| 773 | Monocultures: A Blight on Human and Planetary Health. , 2017, , . | | 0 |
| 775 | NEONÄ°KOTÄ°NOÄ°D PESTÄ°SÄ°TLER VE ARI SAÄžLIÄžINA ETKÄ°LERÄ°. Uludag Aricilik Dergisi, 2017, 17, 44-48. | 0.6 | 2 |
| 776 | Mortality and adult deformation caused by vegetable oils sprayed on Dione juno juno (Cramer, 1779) larvae. Agronomy Science and Biotechnology, 2015, 1, 68. | 0.3 | 0 |
| 777 | Thiamethoxamâ€™Ä±n Yaban ArÄ±sÄ± (Vespa sp.) Ãœzerine Etkisi. Mehmet Akif Ersoy Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 2017, 8, 221-227. | 0.4 | 3 |
| 778 | The Evaluation of Acute Toxic Effect of Imidacloprid and Acetamiprid on Gammarus kischineffensis (Amphipoda: Crustacea). Journal of the Institute of Science and Technology, 0, , 85-92. | 0.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 779 | AdsorciÃ³n de neonicotinoides usando estructuras tipo fullereno: Un estudio DFT. Nova Scientia, 2018, 10, 326-343. | 0.0 | 2 |
| 781 | A study of risk factors for the possible cases of acute occupational pesticide poisoning of orchard farmers in some parts of south Chungcheong province. Annals of Occupational and Environmental Medicine, 2019, 31, e35. | 0.3 | 3 |
| 785 | Fotokatalitik yÃ¶ntemlerle pestisit giderimi: Clothianidin Ã¶rneÄŸi. European Journal of Science and Technology, 0, , 855-862. | 0.5 | 0 |
| 787 | Chemical reduction of chlorpyrifos driven by flavin mononucleotide functionalized titanium (IV) dioxide. Physical Sciences Reviews, 2020, 5, . | 0.8 | 3 |
| 789 | Lâ€™Å“notourisme, nouvel alliÃ© de la transition Ã©cologique au sein des vignoblesÂ? Exemple en Val de Loire. Norois, 2020, , 37-54. | 0.0 | 0 |
| 790 | A food-ingested sublethal concentration of thiamethoxam has harmful effects on the stingless bee Melipona scutellaris. Chemosphere, 2022, 288, 132461. | 4.2 | 4 |
| 791 | Pesticide Impacts on the Environment and Humans. , 2020, , 127-221. | | 6 |
| 792 | BingÃ¶l Ä°linde YaÅŸanan Koloni KayÄ±plarÄ± (ArÄ± Ã–lÃ¼mleri), Nedenleri ve Ã–neriler. Turkish Journal of Agricultural and Natural Sciences, 0, , . | 0.1 | 4 |
| 794 | Extinctions. , 2021, , 59-89. | | 0 |
| 795 | Is the Water Supply a Key Factor in Stingless Beesâ€™ Intoxication?. Journal of Insect Science, 2020, 20, . | 0.6 | 2 |
| 796 | Investigation of the Effects of Imidacloprid on AChE, LDH, and GSH Levels in the L-929 Fibroblast Cell Line. Turkish Journal of Pharmaceutical Sciences, 2020, 17, 506-510. | 0.6 | 0 |
| 797 | Assessing the Toxic Effects of Insecticides on Honey Bees in the West Gonja District of the Savannah Region of Ghana. International Journal of Plant & Soil Science, 0, , 226-245. | 0.2 | 0 |
| 798 | Sublethal pesticide exposure induces larval removal behavior in honeybees through chemical cues. Ecotoxicology and Environmental Safety, 2021, 228, 113020. | 2.9 | 2 |
| 799 | Chronic exposure to a common biopesticide is detrimental to individuals and colonies of the paper wasp Polistes versicolor. Science of the Total Environment, 2022, 810, 152108. | 3.9 | 7 |
| 800 | Translocation and metabolism of the chiral neonicotinoid cycloxaprid in oilseed rape (Brassica napus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 6.5 | 11 |
| 801 | <i>In Vitro</i> Investigation of the Effects of Imidacloprid on AChE, LDH, and GSH Levels in the L-929 Fibroblast Cell Line. Turkish Journal of Pharmaceutical Sciences, 2020, 17, 506-510. | 0.6 | 3 |
| 802 | Chemical reduction of chlorpyrifos driven by flavin mononucleotide functionalized titanium (IV) dioxide. Physical Sciences Reviews, 2020, 5, . | 0.8 | 0 |
| 803 | Residue dynamics and bio-efficacy of triflumezopyrim against Nilaparvata lugens and non-targeted effect on natural enemies in a rice ecosystem. Environmental Science and Pollution Research, 2022, 29, 30206-30216. | 2.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 804 | Apitox - The COLOSS Task Force to Investigate the Impact of Pesticides on Bees. Bee World, 2022, 99, 32-34. | 0.3 | 1 |
| 805 | Temporal variation of imidacloprid concentration and risk in waterways discharging to the Great Barrier Reef and potential causes. Science of the Total Environment, 2022, 823, 153556. | 3.9 | 8 |
| 806 | What is an emergency? Neonicotinoids and emergency situations in plant protection in the EU. Ambio, 2022, 51, 1764-1771. | 2.8 | 8 |
| 807 | How contradictory EU policies led to the development of a pest: The story of oilseed rape and the cabbage stem flea beetle. GCB Bioenergy, 2022, 14, 258-266. | 2.5 | 18 |
| 808 | Thiamethoxam as an inadvertent anti-aphrodisiac in male bees. Toxicology Reports, 2022, 9, 36-45. | 1.6 | 6 |
| 809 | Application of catalytic hydrodehalogenation in drinking water treatment for organohalogenated micropollutants removal: A review. Journal of Hazardous Materials Advances, 2022, 5, 100047. | 1.2 | 1 |
| 810 | Acute oral toxicity and risks of four classes of systemic insecticide to the Common Eastern Bumblebee (Bombus impatiens). Chemosphere, 2022, 295, 133771. | 4.2 | 18 |
| 811 | Amino-functional metalâ€“organic framework as a general applicable adsorbent for simultaneous enrichment of nine neonicotinoids. Chemical Engineering Journal, 2022, 434, 134629. | 6.6 | 21 |
| 812 | Fate of the neonicotinoid insecticide cycloxaprid in different soils under oxic conditions. Science of the Total Environment, 2022, 821, 153448. | 3.9 | 11 |
| 813 | Behavior and fate of a novel neonicotinoid cycloxaprid in waterâ€“sediment systems through position-specific C-14 labeling. Chemical Engineering Journal, 2022, 435, 134962. | 6.6 | 10 |
| 815 | Does climate change influence the current and future projected distribution of an endangered species? The case of the southernmost bumblebee in the world. Journal of Insect Conservation, 2022, 26, 257-269. | 0.8 | 7 |
| 816 | Seasonal variation of pesticides in surface water and drinking water wells in the annual cycle in western Poland, and potential health risk assessment. Scientific Reports, 2022, 12, 3317. | 1.6 | 31 |
| 817 | Development of an isotope dilution liquid chromatography/tandem mass spectrometry method for the accurate determination of neonicotinoid pesticides, imidacloprid, clothianidin, and thiamethoxam in kimchi cabbage reference materials. Journal of Analytical Science and Technology, 2022, 13, . | 1.0 | 3 |
| 818 | Influence of honey bee seasonal phenotype and emerging conditions on diet behavior and susceptibility to imidacloprid. Apidologie, 2022, 53, 1. | 0.9 | 7 |
| 819 | Imidacloprid Induces Histopathological Damage in the Midgut, Ovary, and Spermathecal Stored Spermatozoa of Queens After Chronic Colony Exposure. Environmental Toxicology and Chemistry, 2022, 41, 1637-1648. | 2.2 | 6 |
| 820 | Neonicotinoids: mechanisms of systemic toxicity based on oxidative stress-mitochondrial damage. Archives of Toxicology, 2022, 96, 1493-1520. | 1.9 | 25 |
| 821 | Buffered fitness components: Antagonism between malnutrition and an insecticide in bumble bees. Science of the Total Environment, 2022, 833, 155098. | 3.9 | 6 |
| 822 | Risk assessment of social insect bumblebees. Japanese Journal of Pesticide Science, 2021, 46, 106-111. | 0.0 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 823 | Discovery of Pyrido[1,2-a]pyrimidinone Mesoionic Compounds Incorporating a Dithioacetal Moiety as Novel Potential Insecticidal Agents. Journal of Agricultural and Food Chemistry, 2021, 69, 15136-15144. | 2.4 | 13 |
| 824 | Automatic monitoring system of Apis cerana based on image processing. IOP Conference Series: Earth and Environmental Science, 2021, 948, 012090. | 0.2 | 0 |
| 825 | Surface Enhanced Raman Spectroscopy: Applications in Agriculture and Food Safety. Photonics, 2021, 8, 568. | 0.9 | 22 |
| 826 | Densityâ€independent prey choice, taxonomy, life history, and web characteristics determine the diet and biocontrol potential of spiders (Linyphiidae and Lycosidae) in cereal crops. Environmental DNA, 2022, 4, 549-564. | 3.1 | 14 |
| 827 | Effects of Thiamethoxam-Dressed Oilseed Rape Seeds and Nosema ceranae on Colonies of Apis mellifera iberiensis, L. under Field Conditions of Central Spain. Is Hormesis Playing a Role?. Insects, 2022, 13, 371. | 1.0 | 2 |
| 828 | Assessing the toxicological interaction effects of imidacloprid, thiamethoxam, and chlorpyrifos on Bombus terrestris based on the combination index. Scientific Reports, 2022, 12, 6301. | 1.6 | 4 |
| 829 | Design, Synthesis, and Insecticidal Activity of Novel Pyrido[1, 2-a]pyrimidinone Mesoionic Compounds Containing an Indole Moiety as Potential Acetylcholine Receptor Insecticides. Journal of Agricultural and Food Chemistry, 2022, 70, 5349-5356. | 2.4 | 7 |
| 830 | Ecological consequences of neonicotinoid mixtures in streams. Science Advances, 2022, 8, eabj8182. | 4.7 | 21 |
| 831 | Pollen diet mediates how pesticide exposure impacts brain gene expression in nest-founding bumble bee queens. Science of the Total Environment, 2022, 833, 155216. | 3.9 | 6 |
| 842 | Estimation of the Effects of Neonicotinoid Insecticides on Wild Raccoon, Procyon lotor, in Hokkaido, Japan: Urinary Concentrations and Hepatic Metabolic Capability of Neonicotinoids. Environmental Toxicology and Chemistry, 2022, 41, 1865-1874. | 2.2 | 5 |
| 843 | First national survey of residues of active substances in honeybee apiaries across Spain between 2012 and 2016. Science of the Total Environment, 2022, 838, 155614. | 3.9 | 3 |
| 844 | Landscape-scale drivers of pollinator communities may depend on land-use configuration. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210172. | 1.8 | 3 |
| 845 | Pollination ecology of lowbush blueberry (Vaccinium angustifolium Aiton) in an island ecosystem. Canadian Journal of Plant Science, 0, , 1-12. | 0.3 | 0 |
| 846 | Longâ€Term Effects of Imidacloprid, Thiacloprid, and Clothianidin on the Growth and Development of Eisenia andrei. Environmental Toxicology and Chemistry, 2022, 41, 1686-1695. | 2.2 | 7 |
| 847 | Residue status and risk assessment of neonicotinoids under real field conditions: Based on a two-year survey of cotton fields throughout China. Environmental Technology and Innovation, 2022, , 102689. | 3.0 | 3 |
| 848 | Glyphosate impairs bee thermoregulation. Science, 2022, 376, 1051-1052. | 6.0 | 3 |
| 849 | Behavioral and Biochemical Alterations Induced by Acute Clothianidin and Imidacloprid Exposure in the Killer Shrimp, Dikerogammarus Villosus. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 850 | Do pesticide and pathogen interactions drive wild bee declines?. International Journal for Parasitology: Parasites and Wildlife, 2022, 18, 232-243. | 0.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 851 | High Fundamental Frequency (HFF) Monolithic Quartz Crystal Microbalance with Dissipation Array for the Simultaneous Detection of Pesticides and Antibiotics in Complex Food. Biosensors, 2022, 12, 433. | 2.3 | 3 |
| 852 | Deconstructing and contextualizing foraging behavior in bumble bees and other central place foragers. Apidologie, 2022, 53, . | 0.9 | 5 |
| 853 | Tranquil and Serene: Beekeeping and Well-Being in the Italian Alps. Ecopsychology, 0, , . | 0.8 | 0 |
| 854 | Removal of neonicotinoid pesticides by adsorption on modified Tenebrio molitor frass biochar: Kinetics and mechanism. Separation and Purification Technology, 2022, 297, 121506. | 3.9 | 26 |
| 855 | Multigenerational effects of neonicotinoids (acetamiprid, clothianidin) on growth, fertility and motility of nematode <i>C. elegans</i>. Fundamental Toxicological Sciences, 2022, 9, 95-102. | 0.2 | 2 |
| 856 | Effects of imidacloprid on survival and nest development in the neo-tropical bumblebee Bombus ephippiatus. Apidologie, 2022, 53, . | 0.9 | 2 |
| 857 | Imidacloprid-based commercial pesticide causes behavioral, biochemical, and hematological impairments in Wistar rats. Environmental Toxicology and Pharmacology, 2022, 94, 103924. | 2.0 | 9 |
| 858 | Meta-analysis of neonicotinoid insecticides in global surface waters. Environmental Science and Pollution Research, 2023, 30, 1039-1047. | 2.7 | 15 |
| 859 | First report of phoresy by silken fungus beetles on Bombus funebris (Hymenoptera: Apidae: Bombini) in the Southern Andes of Ecuador. Apidologie, 2022, 53, . | 0.9 | 0 |
| 860 | Assessment of the Potential of the Invasive Arboreal Plant Ailanthus altissima (Simaroubaceae) as an Economically Prospective Source of Natural Pesticides. Diversity, 2022, 14, 680. | 0.7 | 2 |
| 861 | Environmental pharmacologyâ€"Dosing the environment: IUPHAR review 36. British Journal of Pharmacology, 0, , . | 2.7 | 1 |
| 863 | The flavonoid rutin protects the bumble bee Bombus impatiens against cognitive impairment by imidacloprid and fipronil. Journal of Experimental Biology, 2022, 225, . | 0.8 | 9 |
| 864 | Behavioral and biochemical alterations induced by acute clothianidin and imidacloprid exposure in the killer shrimp, Dikerogammarus villosus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 261, 109421. | 1.3 | 1 |
| 865 | Phytoremediation of pesticides in soil. , 2022, , 291-312. | | 0 |
| 866 | Assessment of Environmental Impacts of Pesticides: Evidence from Meta-Analysis. , 2022, , 235-252. | | 0 |
| 867 | Contact exposure to neonicotinoid insecticides temporarily suppresses the locomotor activity of Pardosa lugubris agrobiont wolf spiders. Scientific Reports, 2022, 12, . | 1.6 | 1 |
| 868 | In vitro larval rearing method of eusocial bumblebee Bombus terrestris for toxicity test. Scientific Reports, 2022, 12, . | 1.6 | 1 |
| 869 | Prioritizing Pesticides of Potential Concern and Identifying Potential Mixture Effects in Great Lakes Tributaries Using Passive Samplers. Environmental Toxicology and Chemistry, 2023, 42, 340-366. | 2.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 870 | Seed coating with fungicide causes a beneficial shift in rootâ€associated microbiomes of mature soybean. Soil Science Society of America Journal, 2023, 87, 43-62. | 1.2 | 2 |
| 871 | Pluralistic Valuation of Codling Moth Regulation by Brown Long-Eared Bats in English Apple Orchards. Sustainability, 2022, 14, 11966. | 1.6 | 3 |
| 872 | Risk Assessment of Triflumezopyrim and Imidacloprid in Rice through an Evaluation of Residual Data. Molecules, 2022, 27, 5685. | 1.7 | 5 |
| 873 | Design, Synthesis and Bioactivity of Novel Low Bee-Toxicity Compounds Based on Flupyrimin. Molecules, 2022, 27, 6133. | 1.7 | 6 |
| 874 | Non-target effects of agri-environmental schemes on solitary bees and fungi in the United Kingdom. Bulletin of Entomological Research, 2022, 112, 734-744. | 0.5 | 2 |
| 875 | Simultaneous Determination of Seven Pesticides and Metabolite Residues in Litchi and Longan through High-Performance Liquid Chromatography-Tandem Mass Spectrometry with Modified QuEChERS. Molecules, 2022, 27, 5737. | 1.7 | 9 |
| 876 | A deeper understanding of system interactions can explain contradictory field results on pesticide impact on honey bees. Nature Communications, 2022, 13, . | 5.8 | 6 |
| 877 | The sulfoximine insecticide sulfoxaflor exposure reduces the survival status and disrupts the intestinal metabolism of the honeybee Apis mellifera. Journal of Hazardous Materials, 2023, 442, 130109. | 6.5 | 2 |
| 878 | The Resilience of Plantâ€“Pollinator Networks. Annual Review of Entomology, 2023, 68, 363-380. | 5.7 | 17 |
| 879 | Effect of Neonicotinoid Pesticides on Japanese Water Systems: Review with Focus on Reproductive Toxicity. International Journal of Molecular Sciences, 2022, 23, 11567. | 1.8 | 9 |
| 880 | Floral Resources Used by the Endangered Rusty Patched Bumble Bee (Bombus affinis) in the Midwestern United States. Natural Areas Journal, 2022, 42, . | 0.2 | 6 |
| 881 | Contrasting effects of landscape on nest founding and colony success of bumble bees in a mixedâ€crop agroecosystem. Insect Conservation and Diversity, 2023, 16, 122-132. | 1.4 | 0 |
| 882 | Quantitative elucidation of the transfer of the neonicotinoid pesticide clothianidin to the breast milk in mice. Toxicology Letters, 2023, 373, 33-40. | 0.4 | 6 |
| 883 | Wild bees are exposed to low levels of pesticides in urban grasslands and community gardens. Science of the Total Environment, 2023, 858, 159839. | 3.9 | 9 |
| 884 | Targeted Method for Quantifying Air-Borne Pesticide Residues from Conventional Seed Coat Treatments to Better Assess Exposure Risk During Maize Planting. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 1051-1058. | 1.3 | 2 |
| 885 | Field-realistic concentrations of a neonicotinoid insecticide influence socially regulated brood development in a bumblebee. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, . | 1.2 | 3 |
| 886 | Population Genomics for Insect Conservation. Annual Review of Animal Biosciences, 2023, 11, 115-140. | 3.6 | 13 |
| 887 | Does diatomaceous earth (DE) cause mortality on Apis mellifera and Bombus terrestris?. Journal of Apicultural Research, 0, , 1-7. | 0.7 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 888 | Environmental occurrence, toxicity concerns, and biodegradation of neonicotinoid insecticides. Environmental Research, 2023, 218, 114953. | 3.7 | 35 |
| 889 | Bumblebees under pollution pressure of pesticides in urban and agrarian landscapes. Journal of Hazardous Materials Advances, 2023, 9, 100216. | 1.2 | 2 |
| 890 | Quantifying inherent predictability and spatial synchrony in the aphid vector Myzus persicae: fieldâ€scale patterns of abundance and regional forecasting error in the <scp>UK</scp>. Pest Management Science, 2023, 79, 1331-1341. | 1.7 | 1 |
| 891 | Resilience of bumblebee foraging behavior despite colony size reduction. Frontiers in Insect Science, 0, 2, . | 0.9 | 1 |
| 892 | Using physiology to better support wild bee conservation. , 2023, 11, . | | 1 |
| 893 | Oral exposure to thiacloprid-based pesticide (Calypso SC480) causes physical poisoning symptoms and impairs the cognitive abilities of bumble bees. Bmc Ecology and Evolution, 2023, 23, . | 0.7 | 2 |
| 894 | Reactions of neonicotinoids with peroxydisulfate: The generation of neonicotinoid anion radicals and activation pathway to form sulfate radicals. Journal of Hazardous Materials, 2023, 450, 131081. | 6.5 | 6 |
| 895 | Fox transcription factor AccGRF1 in response to glyphosate stress in Apis cerana cerana. Pesticide Biochemistry and Physiology, 2023, 192, 105419. | 1.6 | 3 |
| 896 | Atrazine exposure canÂdysregulate the immune system and increase the susceptibility against pathogens in honeybees in a dose-dependent manner. Journal of Hazardous Materials, 2023, 452, 131179. | 6.5 | 5 |
| 897 | Pesticide residues in nectar and pollen of melon crops: Risk to pollinators and effects of a specific pesticide mixture on Bombus terrestris (Hymenoptera: Apidae) micro-colonies. Environmental Pollution, 2023, 326, 121451. | 3.7 | 4 |
| 898 | Enantioselective activity and toxicity of chiral acaricide cyflumetofen toward target and non-target organisms. Chemosphere, 2023, 325, 138431. | 4.2 | 0 |
| 900 | Honeybee queen exposure to a widely used fungicide disrupts reproduction and colony dynamic. Environmental Pollution, 2023, 322, 121131. | 3.7 | 2 |
| 901 | How agricultural techniques mediating bottom-up and top-down regulation foster crop protection against pests. A review. Agronomy for Sustainable Development, 2023, 43, . | 2.2 | 3 |
| 902 | Efficient degradation of clothianidin and thiamethoxam in contaminated soil by peroxymonosulfate process. Environmental Science and Pollution Research, 2023, 30, 48211-48219. | 2.7 | 0 |
| 903 | Modeling disruption of Apis mellifera (honey bee) odorantâ€binding protein function with highâ€affinity binders. Journal of Molecular Recognition, 2023, 36, . | 1.1 | 4 |
| 904 | Bumblebee cognitive abilities are robust to changes in colony size. Behavioral Ecology and Sociobiology, 2023, 77, . | 0.6 | 1 |
| 905 | Plant-Mediated Effects of Beneficial Microbes and a Plant Strengthener against Spider Mites in Tomato. Plants, 2023, 12, 938. | 1.6 | 2 |
| 906 | Modelling the factors affecting the spatiotemporal distribution of cabbage stem flea beetle (Psylliodes chrysocephala) larvae in winter oilseed rape (Brassica napus) in the <scp>UK</scp>. Pest Management Science, 0, , . | 1.7 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 907 | Ecological traits interact with landscape context to determine beesâ€™ pesticide risk. Nature Ecology and Evolution, 2023, 7, 547-556. | 3.4 | 27 |
| 908 | Colonization Mechanism of Endophytic Enterobacter cloacae TMX-6 on Rice Seedlings Mediated by Organic Acids Exudated from Roots. Journal of Agricultural and Food Chemistry, 2023, 71, 4802-4809. | 2.4 | 2 |
| 909 | Farmersâ€™ Knowledge, Control Methods, and Challenges of Managing Bean Leaf Beetles (Ootheca spp.) in Uganda. Sustainability, 2023, 15, 5229. | 1.6 | 0 |
| 910 | How do neonicotinoids affect social bees? Linking proximate mechanisms to ecological impacts. Advances in Insect Physiology, 2023, , 191-253. | 1.1 | 2 |
| 911 | Infantile Internal and External Exposure to Neonicotinoid Insecticides: A Comparison of Levels across Various Sources. Environmental Science & Technology, 2023, 57, 5358-5367. | 4.6 | 11 |
| 912 | Toxic temperatures: Bee behaviours exhibit divergent pesticide toxicity relationships with warming. Global Change Biology, 2023, 29, 2981-2998. | 4.2 | 10 |
| 913 | Differential bumble bee gene expression associated with pathogen infection and pollen diet. BMC Genomics, 2023, 24, . | 1.2 | 4 |
| 914 | Microplastics and Nanoplastics Effects on Plantâ€“Pollinator Interaction and Pollination Biology. Environmental Science & Technology, 2023, 57, 6415-6424. | 4.6 | 5 |
| 932 | Molecular and genetic insights into secondary metabolic regulation underlying insect-pest resistance in legumes. Functional and Integrative Genomics, 2023, 23, . | 1.4 | 0 |
| 973 | Detection of Insecticides Residues Using Nanosensors. , 2024, , 1-34. | | 0 |