

# Karen F Armstrong

## List of Publications by Year in descending order

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57  
papers

2,966  
citations

257101

24  
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168136

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colour Response in Western Flower Thrips Varies Intraspecifically. <i>Insects</i> , 2022, 13, 538.	1.0	4
2	Natal origin of the invasive biosecurity pest, brown marmorated stink bug ( <i>Halyomorpha halys</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Science, 2020, 76, 1456-1463.	1.7	4
3	Analysing Sr isotopes in low- $\delta$ Sr samples such as single insects with inductively coupled plasma tandem mass spectrometry using $N_2O$ as a reaction gas for in-line Rb separation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8604.	0.7	13
4	Resolving an 87-year-old taxonomical curiosity with the description of <i>Psylla frodobagginsi</i> sp. nov. (Hemiptera: Sternorrhyncha: Psyllidae), a second distinct <i>Psylla</i> species on the New Zealand endemic plant <i>kāwhai</i> . <i>PLoS ONE</i> , 2019, 14, e0221316.	1.1	2
5	<i>Acizzia errabunda</i> sp. nov. and <i>Ctenarytaina insularis</i> sp. nov.: Descriptions of two new species of psyllids (Hemiptera: Psylloidea) discovered on exotic host plants in New Zealand. <i>PLoS ONE</i> , 2019, 14, e0214220.	1.1	7
6	DNA Barcoding Highlights Cryptic Diversity in the New Zealand Psylloidea (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (St 26	0.7	26
7	Elongation Factor-1 $\pm$ Accurately Reconstructs Relationships Amongst Psyllid Families (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 2618-2622.	0.8	10
8	<i>Pectobacterium atrosepticum</i> and <i>Pectobacterium carotovorum</i> Harbor Distinct, Independently Acquired Integrative and Conjugative Elements Encoding Coronafacic Acid that Enhance Virulence on Potato Stems. <i>Frontiers in Microbiology</i> , 2016, 7, 397.	1.5	22
9	Invertebrate Biosecurity Challenges in High-Productivity Grassland: The New Zealand Example. <i>Frontiers in Plant Science</i> , 2016, 7, 1670.	1.7	5
10	An annotated checklist of the psyllids of New Zealand (Hemiptera: Psylloidea). <i>Zootaxa</i> , 2016, 4144, 556-74.	0.2	17
11	Cooled Propylene Glycol as a Pragmatic Choice for Preservation of DNA From Remote Field-Collected Diptera for Next-Generation Sequence Analysis. <i>Journal of Economic Entomology</i> , 2016, 109, 1469-1473.	0.8	10
12	Draft Genome Sequence for ICMP 5702, the Type Strain of <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> That Causes Soft Rot Disease on Potato. <i>Genome Announcements</i> , 2015, 3, .	0.8	4
13	Synonymization of key pest species within the <i>Bactrocera dorsalis</i> species complex (Diptera: Tephritidae): taxonomic changes based on a review of 20 years of integrative morphological, molecular, cytogenetic, behavioural and chemoecological data. <i>Systematic Entomology</i> . 2015. 40. 456-471.	1.7	175
14	Draft Genome Sequences of Three <i>Pectobacterium</i> Strains Causing Blackleg of Potato: <i>P. carotovorum</i> subsp. <i>brasiliensis</i> ICMP 19477, <i>P. atrosepticum</i> ICMP 1526, and <i>P. carotovorum</i> subsp. <i>carotovorum</i> UGC32. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
15	Multi-gene phylogenetic analysis of south-east Asian pest members of the <i>Bactrocera dorsalis</i> species complex (Diptera: Tephritidae) does not support current taxonomy. <i>Journal of Applied Entomology</i> , 2014, 138, 235-253.	0.8	67
16	Using Molecules to Identify the Source of Fruit Fly Invasions. , 2014, , 321-378.		10
17	Isotopes and Trace Elements as Natal Origin Markers of <i>Helicoverpa armigera</i> – An Experimental Model for Biosecurity Pests. <i>PLoS ONE</i> , 2014, 9, e92384.	1.1	35
18	Invasion success of a scarab beetle within its native range: host range expansion versus host-shift. <i>PeerJ</i> , 2014, 2, e262.	0.9	23

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19	The PGI enzyme system and fitness response to temperature as a measure of environmental tolerance in an invasive species. PeerJ, 2014, 2, e676.	0.9	2
20	Something in the water: biosecurity monitoring of ornamental fish imports using environmental DNA. Biological Invasions, 2013, 15, 1209-1215.	1.2	45
21	Piecing together an integrative taxonomic puzzle: microsatellite, wing shape and aedeagus length analyses of <i>Bactrocera dorsalis</i> s.l. (Diptera: Tephritidae) find no evidence of multiple lineages in a proposed contact zone along the Thai/Malay Peninsula. Systematic Entomology, 2013, 38, 2-13.	1.7	70
22	Species Delimitation and Global Biosecurity. Evolutionary Bioinformatics, 2012, 8, EBO.S8532.	0.6	153
23	DNA barcoding invasive insects: database roadblocks. Invertebrate Systematics, 2012, 26, 506.	0.5	26
24	Molecular phylogenetics of a South Pacific sap beetle species complex ( <i>Carpophilus</i> spp., Coleoptera: Tj ETQq0 0 Q rgBT /Overlock 10 T	1.2	19
25	A molecular phylogeny for the Tribe Dacini (Diptera: Tephritidae): Systematic and biogeographic implications. Molecular Phylogenetics and Evolution, 2012, 64, 513-523.	1.2	76
26	Population structure of <i>Bactrocera dorsalis</i> s.s., <i>B. papayae</i> and <i>B. philippinensis</i> (Diptera: Tephritidae) in southeast Asia: evidence for a single species hypothesis using mitochondrial DNA and wing-shape data. BMC Evolutionary Biology, 2012, 12, 130.	3.2	75
27	Analysis of crucial factors resulting in microarray hybridization failure. Molecular BioSystems, 2012, 8, 1325.	2.9	9
28	Noninvasive molecular methods to identify live scarab larvae: an example of sympatric pest and nonpest species in New Zealand. Molecular Ecology Resources, 2012, 12, 389-395.	2.2	32
29	Barcoding's next top model: an evaluation of nucleotide substitution models for specimen identification. Methods in Ecology and Evolution, 2012, 3, 457-465.	2.2	169
30	Barcoding and Border Biosecurity: Identifying Cyprinid Fishes in the Aquarium Trade. PLoS ONE, 2012, 7, e28381.	1.1	122
31	First report of blackleg and soft rot of potato caused by <i>Pectobacterium carotovorum</i> subsp. <i>brasiliensis</i> in New Zealand. New Disease Reports, 2012, 26, 15-15.	0.4	34
32	Detection and discrimination of members of the family Luteoviridae by real-time PCR and SYBR® GreenER,¢ melting curve analysis. Journal of Virological Methods, 2011, 171, 46-52.	1.0	10
33	Evidence for parasitoid-induced premature mortality in the Argentine stem weevil. Physiological Entomology, 2011, 36, 194-199.	0.6	7
34	A generic RT-PCR assay for the detection of <i>Luteoviridae</i> . Plant Pathology, 2010, 59, 429-442.	1.2	32
35	QBOL: a new EU project focusing on DNA barcoding of Quarantine organisms. EPPO Bulletin, 2010, 40, 30-33.	0.6	34
36	DNA barcoding: a new module in New Zealand's plant biosecurity diagnostic toolbox. EPPO Bulletin, 2010, 40, 91-100.	0.6	32

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37	Towards a Global Barcode Library for <i>Lymantria</i> (Lepidoptera: Lymantriinae) Tussock Moths of Biosecurity Concern. <i>PLoS ONE</i> , 2010, 5, e14280.	1.1	70
38	Development of a short oligonucleotide microarray for the detection and identification of multiple potyviruses. <i>Journal of Virological Methods</i> , 2009, 162, 109-118.	1.0	23
39	Highly similar <i>piggyBac</i> elements in <i>Bactrocera</i> that share a common lineage with elements in noctuid moths. <i>Insect Molecular Biology</i> , 2008, 17, 387-393.	1.0	18
40	Rapid, One-Step DNA Extraction for Insect Pest Identification by Using DNA Barcodes. <i>Journal of Economic Entomology</i> , 2008, 101, 523-532.	0.8	15
41	A morphological and molecular comparison of island and mainland populations of <i>Megadromus speciosus</i> (Coleoptera: Carabidae) from the Marlborough Sounds, New Zealand. <i>New Zealand Entomologist</i> , 2007, 30, 13-23.	0.3	0
42	DNA barcodes for insect pest identification: a test case with tussock moths (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.8	141
43	DNA barcodes for biosecurity: invasive species identification. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1813-1823.	1.8	461
44	Phylogenetic relationships and character evolution among selected species of <i>Bactrocera</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	4
45	INVASIVE PHYTOPHAGOUS PESTS ARISING THROUGH A RECENT TROPICAL EVOLUTIONARY RADIATION: The <i>Bactrocera dorsalis</i> Complex of Fruit Flies. <i>Annual Review of Entomology</i> , 2005, 50, 293-319.	5.7	489
46	Phylogenetic relationships among <i>Bactrocera</i> species (Diptera: Tephritidae) inferred from mitochondrial DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2003, 26, 8-17.	1.2	67
47	Phylogenetic revision of the endemic New Zealand carabid genus <i>OregusPutzeys</i> (Coleoptera : Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	6
48	Plant and host effects on the leafroller parasitoid <i>Dolichogenidia tasmanica</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2001, 100, 253-260.	0.7	22
49	Rapid and accurate typing of <i>Dichelobacter nodosus</i> using PCR amplification and reverse dot-blot hybridisation. <i>Veterinary Microbiology</i> , 2001, 80, 149-162.	0.8	15
50	Genetic diversity of an introduced pest, the green spruce aphid <i>Elatobium abietinum</i> (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537-543.	0.5	15
51	Fruit fly (Diptera: Tephritidae) species identification: a rapid molecular diagnostic technique for quarantine application. <i>Bulletin of Entomological Research</i> , 1997, 87, 111-118.	0.5	103
52	Genetic variation in an introduced aphid pest ( <i>Metopolophium dirhodum</i> ) in New Zealand and relation to individuals from europe. <i>Molecular Ecology</i> , 1997, 6, 255-265.	2.0	29
53	Genetic relationships in <i>Lens</i> species and parentage determination of their interspecific hybrids using RAPD markers. <i>Theoretical and Applied Genetics</i> , 1996, 92, 1091-1098.	1.8	29
54	Effects of Host Plants on the Toxicity of Azinphosmethyl to Susceptible and Resistant Light Brown Apple Moth (Lepidoptera: Tortricidae). <i>Journal of Economic Entomology</i> , 1990, 83, 2124-2129.	0.8	21

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55	Correlation of azinphosmethyl resistance with detoxication enzyme activity in the light brown apple moth <i>Epiphyas postvittana</i> (Lepidoptera: Tortricidae). <i>Pesticide Biochemistry and Physiology</i> , 1990, 36, 281-289.	1.6	21
56	Selection with azinphosmethyl influences glutathione S-transferase activity in the light brown apple moth, <i>Epiphyas postvittana</i> (Lepidoptera: Tortricidae). <i>Pesticide Biochemistry and Physiology</i> , 1990, 38, 9-17.	1.6	11
57	Investigations into the biochemical basis of azinphosmethyl resistance in the light brown apple moth, <i>Epiphyas postvittana</i> (Lepidoptera: Tortricidae). <i>Pesticide Biochemistry and Physiology</i> , 1988, 32, 62-73.	1.6	22