

Karen F Armstrong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9562106/publications.pdf>

Version: 2024-02-01

57
papers

2,966
citations

257101

24
h-index

168136

53
g-index

58
all docs

58
docs citations

58
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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 chemoeological data. <i>Systematic Entomology</i> , 2015, 40, 456-471.	1.7	175
4	Barcoding's next top model: an evaluation of nucleotide substitution models for specimen identification. <i>Methods in Ecology and Evolution</i> , 2012, 3, 457-465.	2.2	169
5	Species Delimitation and Global Biosecurity. <i>Evolutionary Bioinformatics</i> , 2012, 8, EBO.S8532.	0.6	153
6	DNA barcodes for insect pest identification: a test case with tussock moths (Lepidoptera: Tineidae). <i>PLoS ONE</i> , 2010, 5, e12427.	0.8	141
7	Barcoding and Border Biosecurity: Identifying Cyprinid Fishes in the Aquarium Trade. <i>PLoS ONE</i> , 2012, 7, e28381.	1.1	122
8	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
9	A molecular phylogeny for the Tribe Dacini (Diptera: Tephritidae): Systematic and biogeographic implications. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 513-523.	1.2	76
10	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. <i>BMC Evolutionary Biology</i> , 2012, 12, 130.	3.2	75
11	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. <i>Systematic Entomology</i> , 2013, 38, 2-13.	1.7	70
12	Towards a Global Barcode Library for Lymantria (Lepidoptera: Lymantriinae) Tussock Moths of Biosecurity Concern. <i>PLoS ONE</i> , 2010, 5, e14280.	1.1	70
13	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
14	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
15	Something in the water: biosecurity monitoring of ornamental fish imports using environmental DNA. <i>Biological Invasions</i> , 2013, 15, 1209-1215.	1.2	45
16	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
17	QBOL: a new EU project focusing on DNA barcoding of Quarantine organisms. <i>EPPO Bulletin</i> , 2010, 40, 30-33.	0.6	34
18	First report of blackleg and soft rot of potato caused by <i>Pectobacterium carotovorum</i> subsp. <i>brasilensis</i> in New Zealand. <i>New Disease Reports</i> , 2012, 26, 15-15.	0.4	34

#	ARTICLE	IF	CITATIONS
19	A generic RT-PCR assay for the detection of <i>Luteoviridae</i> . <i>Plant Pathology</i> , 2010, 59, 429-442.	1.2	32
20	DNA barcoding: a new module in New Zealand's plant biosecurity diagnostic toolbox. <i>EPP0 Bulletin</i> , 2010, 40, 91-100.	0.6	32
21	Noninvasive molecular methods to identify live scarab larvae: an example of sympatric pest and nonpest species in New Zealand. <i>Molecular Ecology Resources</i> , 2012, 12, 389-395.	2.2	32
22	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
23	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
24	DNA barcoding invasive insects: database roadblocks. <i>Invertebrate Systematics</i> , 2012, 26, 506.	0.5	26
25	DNA Barcoding Highlights Cryptic Diversity in the New Zealand Psylloidea (Hemiptera: Psyllidae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	0.7	26
26	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
27	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
28	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
29	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
30	<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
31	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
32	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
33	Molecular phylogenetics of a South Pacific sap beetle species complex (<i>Carpophilus</i> spp., Coleoptera: Curculionidae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	1.2	19
34	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
35	An annotated checklist of the psyllids of New Zealand (Hemiptera: Psylloidea). <i>Zootaxa</i> , 2016, 4144, 556-74.	0.2	17
36	Genetic diversity of an introduced pest, the green spruce aphid <i>Elatobium abietinum</i> (Hemiptera: Pemphigidae) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	0.5	15

#	ARTICLE	IF	CITATIONS
55	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 k��whai. PLoS ONE, 2019, 14, e0221316.	1.1	2
56	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
57	A morphological and molecular comparison of island and mainland populations of <i>Megadromus speciosus</i> (Coleoptera: Carabidae) from the Marlborough Sounds, New Zealand. New Zealand Entomologist, 2007, 30, 13-23.	0.3	0