

Matt N Krosch

List of Publications by Citations

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48
papers

803
citations

14
h-index

28
g-index

50
ext. papers

925
ext. citations

2
avg, IF

4.24
L-index

#	Paper	IF	Citations
48	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	3.4	136
47	One and the same: integrative taxonomic evidence that <i>Bactrocera invadens</i> (Diptera: Tephritidae) is the same species as the Oriental fruit fly <i>Bactrocera dorsalis</i> . <i>Systematic Entomology</i> , 2015 , 40, 472-486	3.4	72
46	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	66
45	A molecular phylogeny for the Tribe Dacini (Diptera: Tephritidae): systematic and biogeographic implications. <i>Molecular Phylogenetics and Evolution</i> , 2012 , 64, 513-23	4.1	64
44	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	3.4	58
43	Evolution of New Zealand insects: summary and prospectus for future research. <i>Austral Entomology</i> , 2015 , 54, 1-27	1.1	51
42	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	1.7	48
41	Systematics and biogeography of the Gondwanan Orthocladiinae (Diptera: Chironomidae). <i>Molecular Phylogenetics and Evolution</i> , 2011 , 59, 458-68	4.1	45
40	Lines in the land: a review of evidence for eastern Australia's major biogeographical barriers to closed forest taxa. <i>Biological Journal of the Linnean Society</i> , 2016 , 119, 238-264	1.9	42
39	Deeply divergent mitochondrial lineages reveal patterns of local endemism in chironomids of the Australian Wet Tropics. <i>Austral Ecology</i> , 2009 , 34, 317-328	1.5	22
38	Not drowning, (hand)waving? Molecular phylogenetics, biogeography and evolutionary tempo of the 'Gondwanan' midge <i>Stictocladus</i> Edwards (Diptera: Chironomidae). <i>Molecular Phylogenetics and Evolution</i> , 2013 , 68, 595-603	4.1	21
37	Integrative taxonomy versus taxonomic authority without peer review: the case of the Oriental fruit fly, <i>Bactrocera dorsalis</i> (Tephritidae). <i>Systematic Entomology</i> , 2017 , 42, 609-620	3.4	19
36	Impacts of climatic factors on evolution of molecular diversity and the natural distribution of wild stocks of the giant freshwater prawn (<i>Macrobrachium rosenbergii</i>). <i>Freshwater Science</i> , 2014 , 33, 217-231	3	17
35	Spatial population genetic structure reveals strong natal site fidelity in <i>Echinocladus martini</i> (Diptera: Chironomidae) in northeast Queensland, Australia. <i>Freshwater Biology</i> , 2011 , 56, 1328-1341	3.1	17
34	Genetic diversity and population structure in <i>Bactrocera correcta</i> (Diptera: Tephritidae) inferred from mtDNA <i>cox1</i> and microsatellite markers. <i>Scientific Reports</i> , 2016 , 6, 38476	4.9	11
33	Towards a dated molecular phylogeny of the Tanypodinae (Chironomidae, Diptera). <i>Invertebrate Systematics</i> , 2017 , 31, 302	1.2	10
32	Signatures of invasion: using an integrative approach to infer the spread of melon fly, <i>Zeugodacus cucurbitae</i> (Diptera: Tephritidae), across Southeast Asia and the West Pacific. <i>Biological Invasions</i> , 2017 , 19, 1597-1619	2.7	9

31	Taxonomic review of the chironomid genus <i>Cricotopus</i> v.d. Wulp (Diptera: Chironomidae) from Australia: keys to males, females, pupae and larvae, description of ten new species and comments on <i>Paratrichocladus</i> Santos Abreu. <i>Zootaxa</i> , 2015 , 3919, 1-40	0.5	9
30	Molecular data extend Australian <i>Cricotopus</i> midge (Chironomidae) species diversity, and provide a phylogenetic hypothesis for biogeography and freshwater monitoring. <i>Zoological Journal of the Linnean Society</i> , 2015 , 175, 496-509	2.4	8
29	DNA sequences and austral taxa indicate generic synonymy of <i>Paratrichocladus</i> Santos-Abreu with <i>Cricotopus</i> Wulp (Diptera: Chironomidae). <i>Systematic Entomology</i> , 2015 , 40, 719-732	3.4	8
28	Improved Area of Origin Estimation for Bloodstain Pattern Analysis Using 3D Scanning. <i>Journal of Forensic Sciences</i> , 2020 , 65, 722-728	1.8	8
27	A transcriptome-based analytical workflow for identifying loci for species diagnosis: a case study with <i>Bactrocera</i> fruit flies (Diptera: Tephritidae). <i>Austral Entomology</i> , 2019 , 58, 395-408	1.1	7
26	Population structure in <i>Zeugodacus cucurbitae</i> (Diptera: Tephritidae) across Thailand and the Thai-Malay peninsula: natural barriers to a great disperser. <i>Biological Journal of the Linnean Society</i> , 2017 , 121, 540-555	1.9	5
25	Differential gene expression of Australian <i>Cricotopus draysoni</i> (Diptera: Chironomidae) populations reveals seasonal association in detoxification gene regulation. <i>Scientific Reports</i> , 2017 , 7, 14263	4.9	5
24	Variation in forensic DNA profiling success among sampled items and collection methods: a Queensland perspective. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-14	1.1	5
23	Application of forward-looking infrared (FLIR) imaging from an unmanned aerial platform in the search for decomposing remains. <i>Journal of Forensic Sciences</i> , 2021 , 66, 347-355	1.8	5
22	Development of internal COI primers to improve and extend barcoding of fruit flies (Diptera: Tephritidae: Dacini). <i>Insect Science</i> , 2020 , 27, 143-158	3.6	4
21	Evidence from molecules and morphology expands <i>Podonomopsis</i> Brundin (Diptera : Chironomidae : Podonominae) to include 'genus Chile'. <i>Invertebrate Systematics</i> , 2015 , 29, 610	1.2	3
20	Comparison of intraspecific genetic structure among related chironomids (Diptera) from New Zealand and Patagonia: disparity between potential and realized dispersal. <i>Freshwater Science</i> , 2012 , 31, 1105-1120	2	3
19	A note on sampling chironomids for RNA-based studies of natural populations that retains critical morphological vouchers 2015 , 4		3
18	Contemporary issues in forensic science-Worldwide survey results. <i>Forensic Science International</i> , 2021 , 320, 110704	2.6	3
17	Comparative analysis of larval transcriptomes from co-occurring species of Australian <i>Cricotopus</i> (Diptera: Chironomidae). <i>Austral Entomology</i> , 2017 , 56, 451-458	1.1	2
16	Fluorescent dye-based detection of trace DNA on forensic tapelifts from worn shirts. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-12	1.1	2
15	A comparison of ABACard Hematrace and RSIDTM-Blood tests on dried, diluted bloodstains treated with leucocrystal violet or luminol. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-11	1.1	2
14	In the footsteps of Wallace: population structure in the breadfruit fruit fly, <i>Bactrocera umbrosa</i> (F.) (Diptera: Tephritidae), suggests disjunction across the Indo-Australian Archipelago. <i>Austral Entomology</i> , 2019 , 58, 602-613	1.1	2

13	Nomenclatural corrections to Australian species of <i>Cricotopus</i> (Wulp) (Diptera; Chironomidae). <i>Zootaxa</i> , 2015 , 3980, 298-300	0.5	2
12	Variation in decomposition stages and carrion insect succession in a dry tropical climate and its effect on estimating postmortem interval. <i>Forensic Sciences Research</i> , 2020 , 5, 327-335	3.6	2
11	Molecular evidence for deeper diversity in Australian Tanypodinae (Chironomidae): <i>Yarrhpelopia</i> and related new taxa. <i>Zootaxa</i> , 2021 , 4949, zootaxa.4949.1.1	0.5	2
10	Bloodstain pattern analysis: Does experience equate to expertise?. <i>Journal of Forensic Sciences</i> , 2021 , 66, 866-878	1.8	2
9	Casework comparison of DNA sampling success from steering wheels and car seats in tropical Australia. <i>Australian Journal of Forensic Sciences</i> , 1-12	1.1	1
8	Dense, continent-wide, molecular and morphological sampling supports old and new taxa in Australian pentaneurine Tanypodinae (Diptera: Chironomidae). <i>Austral Entomology</i> , 2021 , 60, 486-504	1.1	1
7	Preliminary assessment of fingerprint development techniques for recovering faint ridge impressions from persons with ectodermal dysplasia. <i>Australian Journal of Forensic Sciences</i> , 1-11	1.1	0
6	A new molecular phylogeny for the Tanypodinae (Diptera: Chironomidae) places the Australian diversity in a global context. <i>Molecular Phylogenetics and Evolution</i> , 2022 , 166, 107324	4.1	0
5	Evaluation of the RSIDTM-Saliva test to detect saliva in expired bloodstains and development of an in-scene protocol. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-12	1.1	0
4	A comparison of three shoe sole impression lifting methods at high substrate temperatures. <i>Journal of Forensic Sciences</i> , 2021 , 66, 303-314	1.8	0
3	Massively parallel sequencing as an investigative tool. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-14	1.1	1
2	Comparison of in-scene presumptive tests for the detection of Cannabis traces on the inner surfaces of clip seal plastic bags. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-12	1.1	1
1	An evaluation of infrared photography for detecting bloodstains on dark-coloured floor coverings commonly encountered at crime scenes. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-13	1.1	1