

Aaron M Tarone

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

4,661
citations

32
h-index

68
g-index

80
ext. papers

5,719
ext. citations

5.1
avg. IF

5.23
L-index

#	Paper	IF	Citations
74	Genome-wide association study of 107 phenotypes in Arabidopsis thaliana inbred lines. <i>Nature</i> , 2010 , 465, 627-31	50.4	1257
73	Natural variation in genome architecture among 205 Drosophila melanogaster Genetic Reference Panel lines. <i>Genome Research</i> , 2014 , 24, 1193-208	9.7	372
72	A rapidly evolving MYB-related protein causes species isolation in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5302-7	11.5	220
71	A roadmap for bridging basic and applied research in forensic entomology. <i>Annual Review of Entomology</i> , 2011 , 56, 401-21	21.8	198
70	Genome sequence of the tsetse fly (<i>Glossina morsitans</i>): vector of African trypanosomiasis. <i>Science</i> , 2014 , 344, 380-6	33.3	192
69	The potential use of bacterial community succession in forensics as described by high throughput metagenomic sequencing. <i>International Journal of Legal Medicine</i> , 2014 , 128, 193-205	3.1	190
68	Population-based resequencing of experimentally evolved populations reveals the genetic basis of body size variation in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011 , 7, e1001336	6	190
67	Antitoxin MqsA helps mediate the bacterial general stress response. <i>Nature Chemical Biology</i> , 2011 , 7, 359-66	11.7	176
66	Microbial community functional change during vertebrate carrion decomposition. <i>PLoS ONE</i> , 2013 , 8, e79035	3.7	104
65	Genome-wide survey of Arabidopsis natural variation in downy mildew resistance using combined association and linkage mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10302-7	11.5	94
64	A survey of bacterial diversity from successive life stages of black soldier fly (Diptera: Stratiomyidae) by using 16S rDNA pyrosequencing. <i>Journal of Medical Entomology</i> , 2013 , 50, 647-58	2.2	82
63	Human Thanatomiome Succession and Time Since Death. <i>Scientific Reports</i> , 2016 , 6, 29598	4.9	81
62	Functional divergence caused by ancient positive selection of a <i>Drosophila</i> hybrid incompatibility locus. <i>PLoS Biology</i> , 2004 , 2, e142	9.7	80
61	<i>Proteus mirabilis</i> interkingdom swarming signals attract blow flies. <i>ISME Journal</i> , 2012 , 6, 1356-66	11.9	78
60	Population and temperature effects on <i>Lucilia sericata</i> (Diptera: Calliphoridae) body size and minimum development time. <i>Journal of Medical Entomology</i> , 2011 , 48, 1062-8	2.2	77
59	Basic research in evolution and ecology enhances forensics. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 53-5	10.9	74
58	A metagenomic assessment of the bacteria associated with <i>Lucilia sericata</i> and <i>Lucilia cuprina</i> (Diptera: Calliphoridae). <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 869-83	5.7	70

57	Gene expression during blow fly development: improving the precision of age estimates in forensic entomology. <i>Journal of Forensic Sciences</i> , 2011 , 56 Suppl 1, S112-22	1.8	68
56	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. <i>Animal Behaviour</i> , 2012 , 84, 1449-1456	2.8	64
55	Components of Developmental Plasticity in a Michigan Population of <i>Lucilia sericata</i> (Diptera: Calliphoridae). <i>Journal of Medical Entomology</i> , 2006 , 43, 1023-1033	2.2	61
54	Bacteria mediate oviposition by the black soldier fly, <i>Hermetia illucens</i> (L.), (Diptera: Stratiomyidae). <i>Scientific Reports</i> , 2013 , 3, 2563	4.9	57
53	Generalized additive models and <i>Lucilia sericata</i> growth: assessing confidence intervals and error rates in forensic entomology. <i>Journal of Forensic Sciences</i> , 2008 , 53, 942-8	1.8	57
52	Delayed insect access alters carrion decomposition and necrophagous insect community assembly. <i>Ecosphere</i> , 2014 , 5, art45	3.1	55
51	Pigs vs people: the use of pigs as analogues for humans in forensic entomology and taphonomy research. <i>International Journal of Legal Medicine</i> , 2020 , 134, 793-810	3.1	55
50	Aging blow fly eggs using gene expression: a feasibility study. <i>Journal of Forensic Sciences</i> , 2007 , 52, 1350-4	3.4	48
49	Intrapopulation genome size variation in <i>D. melanogaster</i> reflects life history variation and plasticity. <i>PLoS Genetics</i> , 2014 , 10, e1004522	6	47
48	A Review of Bacterial Interactions With Blow Flies (Diptera: Calliphoridae) of Medical, Veterinary, and Forensic Importance. <i>Annals of the Entomological Society of America</i> , 2017 , 110, 19-36	2	45
47	Developmental variation among <i>Cochliomyia macellaria</i> Fabricius (Diptera: Calliphoridae) populations from three ecoregions of Texas, USA. <i>International Journal of Legal Medicine</i> , 2014 , 128, 709-17	3.1	43
46	A de novo transcriptome assembly of <i>Lucilia sericata</i> (Diptera: Calliphoridae) with predicted alternative splices, single nucleotide polymorphisms and transcript expression estimates. <i>Insect Molecular Biology</i> , 2012 , 21, 205-21	3.4	43
45	Mapping genetically compensatory pathways from synthetic lethal interactions in yeast. <i>PLoS ONE</i> , 2008 , 3, e1922	3.7	36
44	Responses of <i>Lucilia sericata</i> (Diptera: Calliphoridae) to compounds from microbial decomposition of larval resources. <i>Animal Behaviour</i> , 2016 , 115, 217-225	2.8	36
43	Temporal and Spatial Impact of Human Cadaver Decomposition on Soil Bacterial and Arthropod Community Structure and Function. <i>Frontiers in Microbiology</i> , 2017 , 8, 2616	5.7	34
42	Components of developmental plasticity in a Michigan population of <i>Lucilia sericata</i> (Diptera: Calliphoridae). <i>Journal of Medical Entomology</i> , 2006 , 43, 1023-33	2.2	31
41	Protecting the environment through insect farming as a means to produce protein for use as livestock, poultry, and aquaculture feed. <i>Journal of Insects As Food and Feed</i> , 2015 , 1, 307-309	4.4	28
40	Genetic variation in the Yolk protein expression network of <i>Drosophila melanogaster</i> : sex-biased negative correlations with longevity. <i>Heredity</i> , 2012 , 109, 226-34	3.6	24

39	Genome sizes of forensically relevant Diptera. <i>Journal of Medical Entomology</i> , 2012 , 49, 192-7	2.2	24
38	The role of spatial aggregation in forensic entomology. <i>Journal of Medical Entomology</i> , 2014 , 51, 1-9	2.2	23
37	Genetic variation for expression of the sex determination pathway genes in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 2005 , 86, 31-40	1.1	22
36	The role of ants in vertebrate carrion decomposition. <i>Food Webs</i> , 2019 , 18, e00109	1.8	21
35	Is PMI the Hypothesis or the Null Hypothesis?. <i>Journal of Medical Entomology</i> , 2017 , 54, 1109-1115	2.2	21
34	Machine learning performance in a microbial molecular autopsy context: A cross-sectional postmortem human population study. <i>PLoS ONE</i> , 2019 , 14, e0213829	3.7	19
33	Sex determination mechanisms in the Calliphoridae (blow flies). <i>Sexual Development</i> , 2014 , 8, 29-37	1.6	19
32	Functional characterization of calliphorid cell death genes and cellularization gene promoters for controlling gene expression and cell viability in early embryos. <i>Insect Molecular Biology</i> , 2015 , 24, 58-70	3.4	15
31	Increasing precision in development-based postmortem interval estimates: what does sex got to do with it?. <i>Journal of Medical Entomology</i> , 2013 , 50, 425-31	2.2	14
30	Interkingdom Cues by Bacteria Associated with Conspecific and Heterospecific Eggs of <i>Cochliomyia macellaria</i> and <i>Chrysomya rufifacies</i> (Diptera: Calliphoridae) Potentially Govern Succession on Carrion. <i>Annals of the Entomological Society of America</i> , 2017 , 110, 73-82	2	10
29	The genome of the stable fly, <i>Stomoxys calcitrans</i> , reveals potential mechanisms underlying reproduction, host interactions, and novel targets for pest control. <i>BMC Biology</i> , 2021 , 19, 41	7.3	9
28	Suppressing tawny crazy ant (<i>Nylanderia fulva</i>) by RNAi technology. <i>Insect Science</i> , 2020 , 27, 113-121	3.6	9
27	Functional genomics of the stable fly, <i>Stomoxys calcitrans</i> , reveals mechanisms underlying reproduction, host interactions, and novel targets for pest control		8
26	Field Documentation of Unusual Post-Mortem Arthropod Activity on Human Remains. <i>Journal of Medical Entomology</i> , 2015 , 52, 105-8	2.2	7
25	Structural and Genetic Investigation of the Egg and First-Instar Larva of an Egg-Laying Population of <i>Blaesoxipha plinthopyga</i> (Diptera: Sarcophagidae), a Species of Forensic Importance. <i>Journal of Medical Entomology</i> , 2014 , 51, 1283-95	2.2	7
24	Forensic Entomology: Evaluating Uncertainty Associated With Postmortem Interval (PMI) Estimates With Ecological Models. <i>Journal of Medical Entomology</i> , 2016 , 53, 1117-1130	2.2	6
23	Impacts of dietary amino acid composition and microbial presence on preference and performance of immature <i>Lucilia sericata</i> (Diptera: Calliphoridae). <i>Ecological Entomology</i> , 2018 , 43, 612-620	2.1	6
22	A scalable and memory-efficient algorithm for de novo transcriptome assembly of non-model organisms. <i>BMC Genomics</i> , 2017 , 18, 387	4.5	6

21	Introduction to Carrion Ecology, Evolution, and Their Applications 2015 , 3-12		5
20	Genome Sequence of a <i>Proteus mirabilis</i> Strain Isolated from the Salivary Glands of Larval <i>Lucilia sericata</i> . <i>Genome Announcements</i> , 2016 , 4,		5
19	The upper thermal tolerance of the secondary screwworm, <i>Cochliomyia macellaria</i> Fabricius (Diptera: Calliphoridae). <i>Journal of Thermal Biology</i> , 2019 , 85, 102405	2.9	4
18	A memory-efficient algorithm to obtain splicing graphs and de novo expression estimates from de Bruijn graphs of RNA-Seq data. <i>BMC Genomics</i> , 2014 , 15 Suppl 5, S6	4.5	4
17	Heuristic pairwise alignment of de Bruijn graphs to facilitate simultaneous transcript discovery in related organisms from RNA-Seq data. <i>BMC Genomics</i> , 2015 , 16 Suppl 11, S5	4.5	4
16	Wing buzzing as a potential antipredator defense against an invasive predator. <i>Food Webs</i> , 2021 , 27, e00192	1.8	4
15	Field Validation of a Development Data Set for <i>Cochliomyia macellaria</i> (Diptera: Calliphoridae): Estimating Insect Age Based on Development Stage. <i>Journal of Medical Entomology</i> , 2020 , 57, 39-49	2.2	4
14	Genome Sequence of a Strain Isolated from Salivary Glands. <i>Genome Announcements</i> , 2017 , 5,		3
13	Gene expression correlates of facultative predation in the blow fly (Diptera: Calliphoridae). <i>Ecology and Evolution</i> , 2019 , 9, 8690-8701	2.8	3
12	The upper thermal tolerance for a Texas population of the hairy maggot blow fly <i>Chrysomya rufifacies</i> Macquart (Diptera: Calliphoridae). <i>Ecological Entomology</i> , 2020 , 45, 1146-1157	2.1	2
11	Effect of Phenotype Selection on Genome Size Variation in Two Species of Diptera. <i>Genes</i> , 2020 , 11,	4.2	2
10	Reply: A correspondence from a maturing discipline. <i>Journal of Medical Entomology</i> , 2014 , 51, 490-2	2.2	2
9	The genomes of a monogenic fly: views of primitive sex chromosomes. <i>Scientific Reports</i> , 2020 , 10, 15728	4.9	2
8	An Evaluation of Differentially Spliced Genes as Markers of Sex for Forensic Entomology,. <i>Journal of Forensic Sciences</i> , 2020 , 65, 1579-1587	1.8	1
7	Facultative Viviparity in a Flesh Fly (Diptera: Sarcophagidae): Forensic Implications of High Variability in Rates of Oviparity in <i>Blaesoxipha plinthopyga</i> (Diptera: Sarcophagidae). <i>Journal of Medical Entomology</i> , 2020 , 57, 697-704	2.2	1
6	The discrepancy between fire ant recruitment to and performance on rodent carrion.. <i>Scientific Reports</i> , 2022 , 12, 71	4.9	0
5	Evaluation of Development Datasets for <i>Hermetia illucens</i> (L.) (Diptera: Stratiomyidae) for Estimating the Time of Placement of Human and Swine Remains in Texas, USA. <i>Journal of Medical Entomology</i> , 2021 , 58, 1654-1662	2.2	0
4	Identifying similar transcripts in a related organism from de Bruijn graphs of RNA-Seq data, with applications to the study of salt and waterlogging tolerance in <i>Melilotus</i> . <i>BMC Genomics</i> , 2019 , 20, 425	4.5	

- 3 A divide-and-conquer algorithm for large-scale de novo transcriptome assembly through combining small assemblies from existing algorithms. *BMC Genomics*, **2017**, 18, 895 4.5
- 2 Cloning and Functional Characterization of a Double-Stranded RNA-Degrading Nuclease in the Tawny Crazy Ant (*Linepithema humile*). *Frontiers in Physiology*, **2022**, 13, 833652 4.6
- 1 Developmental Plasticity of the Flesh Fly *Blaesoxipha plinthopyga* (Diptera: Sarcophagidae) on Different Substrates. *Journal of Medical Entomology*, **2020**, 57, 1686-1693 2.2