

Aaron M Tarone

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

6,276
citations

109321

35
h-index

85541

71
g-index

80
all docs

80
docs citations

80
times ranked

7180
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide association study of 107 phenotypes in <i>Arabidopsis thaliana</i> inbred lines. <i>Nature</i> , 2010, 465, 627-631.	27.8	1,651
2	Natural variation in genome architecture among 205 <i>Drosophila melanogaster</i> Genetic Reference Panel lines. <i>Genome Research</i> , 2014, 24, 1193-1208.	5.5	565
3	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.	3.5	265
4	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.	2.2	254
5	Genome Sequence of the Tsetse Fly (<i>Glossina morsitans</i>): Vector of African Trypanosomiasis. <i>Science</i> , 2014, 344, 380-386.	12.6	254
6	A Roadmap for Bridging Basic and Applied Research in Forensic Entomology. <i>Annual Review of Entomology</i> , 2011, 56, 401-421.	11.8	248
7	A rapidly evolving MYB-related protein causes species isolation in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5302-5307.	7.1	243
8	Antitoxin MqsA helps mediate the bacterial general stress response. <i>Nature Chemical Biology</i> , 2011, 7, 359-366.	8.0	201
9	Microbial Community Functional Change during Vertebrate Carrion Decomposition. <i>PLoS ONE</i> , 2013, 8, e79035.	2.5	147
10	Human Thanatomicrobiome Succession and Time Since Death. <i>Scientific Reports</i> , 2016, 6, 29598.	3.3	136
11	Genome-wide survey of <i>Arabidopsis</i> 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, 10302-10307.	7.1	120
12	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50_302 Td (S	1.8	111
13	<i>Proteus mirabilis</i> interkingdom swarming signals attract blow flies. <i>ISME Journal</i> , 2012, 6, 1356-1366.	9.8	101
14	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.	2.2	100
15	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, 1062-1068.	1.8	99
16	A metagenomic assessment of the bacteria associated with <i>Lucilia sericata</i> and <i>Lucilia cuprina</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50_302 Td (S	3.6	95
17	Basic research in evolution and ecology enhances forensics. <i>Trends in Ecology and Evolution</i> , 2011, 26, 53-55.	8.7	87
18	Gene Expression During Blow Fly Development: Improving the Precision of Age Estimates in Forensic Entomology*. <i>Journal of Forensic Sciences</i> , 2011, 56, S112-22.	1.6	87

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19	Delayed insect access alters carrion decomposition and necrophagous insect community assembly. <i>Ecosphere</i> , 2014, 5, 1-21.	2.2	86
20	Functional Divergence Caused by Ancient Positive Selection of a <i>Drosophila</i> Hybrid Incompatibility Locus. <i>PLoS Biology</i> , 2004, 2, e142.	5.6	85
21	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. <i>Animal Behaviour</i> , 2012, 84, 1449-1456.	1.9	83
22	Bacteria Mediate Oviposition by the Black Soldier Fly, <i>Hermetia illucens</i> (L.), (Diptera: Stratiomyidae). <i>Scientific Reports</i> , 2013, 3, 2563.	3.3	83
23	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, 942-948.	1.6	74
24	Components of Developmental Plasticity in a Michigan Population of <i>Lucilia sericata</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	73
25	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.	2.5	71
26	Intrapopulation Genome Size Variation in <i>D. melanogaster</i> Reflects Life History Variation and Plasticity. <i>PLoS Genetics</i> , 2014, 10, e1004522.	3.5	64
27	Aging Blow Fly Eggs Using Gene Expression: A Feasibility Study. <i>Journal of Forensic Sciences</i> , 2007, 52, 1350-1354.	1.6	59
28	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, 709-717.	2.2	55
29	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.	3.5	55
30	A <i>de novo</i> 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, 205-221.	2.0	52
31	Responses of <i>Lucilia sericata</i> (Diptera: Calliphoridae) to compounds from microbial decomposition of larval resources. <i>Animal Behaviour</i> , 2016, 115, 217-225.	1.9	46
32	Components of Developmental Plasticity in a Michigan Population of <i>Lucilia sericata</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	44
33	Mapping Genetically Compensatory Pathways from Synthetic Lethal Interactions in Yeast. <i>PLoS ONE</i> , 2008, 3, e1922.	2.5	41
34	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.	3.9	39
35	Is PMI the Hypothesis or the Null Hypothesis?. <i>Journal of Medical Entomology</i> , 2017, 54, 1109-1115.	1.8	38
36	Genetic variation for expression of the sex determination pathway genes in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 2005, 86, 31-40.	0.9	36

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37	The role of ants in vertebrate carrion decomposition. <i>Food Webs</i> , 2019, 18, e00109.	1.2	36
38	Genome Sizes of Forensically Relevant Diptera. <i>Journal of Medical Entomology</i> , 2012, 49, 192-197.	1.8	33
39	Machine learning performance in a microbial molecular autopsy context: A cross-sectional postmortem human population study. <i>PLoS ONE</i> , 2019, 14, e0213829.	2.5	32
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, 226-234.	2.6	28
41	The Role of Spatial Aggregation in Forensic Entomology: Table 1.. <i>Journal of Medical Entomology</i> , 2014, 51, 1-9.	1.8	25
42	Sex Determination Mechanisms in the Calliphoridae (Blow Flies). <i>Sexual Development</i> , 2014, 8, 29-37.	2.0	25
43	Increasing Precision in Development-Based Postmortem Interval Estimates: What's Sex Got to Do With It?. <i>Journal of Medical Entomology</i> , 2013, 50, 425-431.	1.8	23
44	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.	2.0	19
45	Suppressing tawny crazy ant (<i>Nylanderia fulva</i>) by RNAi technology. <i>Insect Science</i> , 2020, 27, 113-121.	3.0	19
46	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.	3.8	19
47	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.	2.5	14
48	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, 1283-1295.	1.8	11
49	The upper thermal tolerance of the secondary screwworm, <i>Cochliomyia macellaria</i> Fabricius (Diptera: Tj ETQq1 1 0,784314 rgBT /Ove	2.5	10
50	RNAi meets toxicology: efficacy indicators from the experimental design of RNAi studies for insect pest management. <i>Pest Management Science</i> , 2022, 78, 3215-3225.	3.4	10
51	Field Documentation of Unusual Post-Mortem Arthropod Activity on Human Remains. <i>Journal of Medical Entomology</i> , 2015, 52, 105-108.	1.8	9
52	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.	2.2	9
53	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.	1.8	9
54	Forensic Entomology: Evaluating Uncertainty Associated With Postmortem Interval (PMI) Estimates With Ecological Models. <i>Journal of Medical Entomology</i> , 2016, 53, 1117-1130.	1.8	7

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55	A scalable and memory-efficient algorithm for de novo transcriptome assembly of non-model organisms. <i>BMC Genomics</i> , 2017, 18, 387.	2.8	7
56	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.	2.2	7
57	Wing buzzing as a potential antipredator defense against an invasive predator. <i>Food Webs</i> , 2021, 27, e00192.	1.2	7
58	The genomes of a monogenic fly: views of primitive sex chromosomes. <i>Scientific Reports</i> , 2020, 10, 15728.	3.3	6
59	Effect of Phenotype Selection on Genome Size Variation in Two Species of Diptera. <i>Genes</i> , 2020, 11, 218.	2.4	6
60	Reply: A Correspondence From a Maturing Discipline. <i>Journal of Medical Entomology</i> , 2014, 51, 490-492.	1.8	5
61	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, S6.	2.8	5
62	Introduction to Carrion Ecology, Evolution, and Their Applications. , 2015, , 3-12.		5
63	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, .	0.8	5
64	Gene expression correlates of facultative predation in the blow fly <i>Chrysomya rufifacies</i> (Diptera: Tj ETQq0 0 0 rgBT J Overlock 10 Tf 50	1.9	5
65	An Evaluation of Differentially Spliced Genes as Markers of Sex for Forensic Entomology,,. <i>Journal of Forensic Sciences</i> , 2020, 65, 1579-1587.	1.6	5
66	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, S5.	2.8	4
67	Genome Sequence of a <i>Providencia stuartii</i> Strain Isolated from <i>Lucilia</i> <i>sericata</i> Salivary Glands. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
68	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.	1.8	3
69	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.	1.8	2
70	The discrepancy between fire ant recruitment to and performance on rodent carrion. <i>Scientific Reports</i> , 2022, 12, 71.	3.3	2
71	Cloning and Functional Characterization of a Double-Stranded RNA-Degrading Nuclease in the Tawny Crazy Ant (<i>Nylanderia fulva</i>). <i>Frontiers in Physiology</i> , 2022, 13, 833652.	2.8	2
72	Sexual Dimorphism in Growth Rate and Gene Expression Throughout Immature Development in Wild Type <i>Chrysomya rufifacies</i> (Diptera: Calliphoridae) Macquart. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	1

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73	A Fly in the Ointment: How to Predict Environmentally Driven Phenology of an Organism That Partially Regulates Its Microclimate. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	1
74	A memory-efficient algorithm to obtain splicing graphs and de novo expression estimates from de bruijn graphs of RNA-seq data. , 2013, , .		0
75	A divide-and-conquer algorithm for large-scale de novo transcriptome assembly through combining small assemblies from existing algorithms. <i>BMC Genomics</i> , 2017, 18, 895.	2.8	0
76	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.	2.8	0
77	Developmental Plasticity of the Flesh Fly <i>Blaesoxipha plinthopyga</i> (Diptera: Sarcophagidae) on Different Substrates. <i>Journal of Medical Entomology</i> , 2020, 57, 1686-1693.	1.8	0