Jeffery K Tomberlin

List of Publications by Year in descending order

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126 papers 8,623 citations

44069 48 h-index 48315 88 g-index

137 all docs

137 docs citations

times ranked

137

3904 citing authors

#	Article	IF	Citations
1	Characteristics of tylosin and enrofloxacin degradation in swine manure digested by black soldier fly (Hermetia illucens L.) larvae. Environmental Pollution, 2022, 293, 118495.	7.5	8
2	Inhibition of Zoonotic Pathogens Naturally Found in Pig Manure by Black Soldier Fly Larvae and Their Intestine Bacteria. Insects, 2022, 13, 66.	2.2	13
3	Dietary fishmeal replacement by black soldier fly larvae meals affected red drum (Sciaenops ocellatus) production performance and intestinal microbiota depending on what feed substrate the insect larvae were offered. Animal Feed Science and Technology, 2022, 283, 115179.	2.2	15
4	Black soldier fly larvae effectively degrade lincomycin from pharmaceutical industry wastes. Journal of Environmental Management, 2022, 307, 114539.	7.8	17
5	Rodent scavenging of pig remains potentially increases oviposition sites for primary colonizers. Journal of Forensic Sciences, 2022, 67, 1728-1733.	1.6	3
6	Vertebrate and invertebrate competition for carrion in humanâ€impacted environments depends on abiotic factors. Ecosphere, 2022, 13, .	2.2	6
7	Cuticular hydrocarbons as a tool for determining the age of <i>Chrysomya rufifacies</i> (Diptera:) Tj ETQq1 1 0.	784314 rg 1.6	gBT ₉ /Overlock
8	Differential Carbon Utilization by Bacteria in the Soil Surrounding and on Swine Carcasses with Dipteran Access Delayed. Pure and Applied Geophysics, 2021, 178, 717-734.	1.9	0
9	Volatile compounds reveal age: a study of volatile organic compounds released by Chrysomya rufifacies immatures. International Journal of Legal Medicine, 2021, 135, 967-977.	2.2	5
10	Volatile organic compounds in variably aged carrion impacted by the presence of the primary colonizer, Cochliomyia macellaria (Diptera: Calliphoridae). International Journal of Legal Medicine, 2021, 135, 1005-1014.	2.2	6
11	Starvation Alters Gut Microbiome in Black Soldier Fly (Diptera: Stratiomyidae) Larvae. Frontiers in Microbiology, 2021, 12, 601253.	3.5	20
12	The Forensic Entomology Case Report—A Global Perspective. Insects, 2021, 12, 283.	2.2	15
13	Global population genetic structure and demographic trajectories of the black soldier fly, Hermetia illucens. BMC Biology, 2021, 19, 94.	3.8	41
14	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. Journal of Medical Entomology, 2021, 58, 1654-1662.	1.8	3
15	Black soldier fly, Hermetia illucens (L.) (Diptera: Stratiomyidae), and house fly, Musca domestica L. (Diptera: Muscidae), larvae reduce livestock manure and possibly associated nutrients: An assessment at two scales. Environmental Pollution, 2021, 282, 116976.	7.5	13
16	Hermetia illucens (L.) (Diptera: Stratiomyidae) Odorant Binding Proteins and Their Interactions with Selected Volatile Organic Compounds: An In Silico Approach. Insects, 2021, 12, 814.	2.2	25
17	Olfactory Choice for Decomposition Stage in the Burying Beetle Nicrophorus vespilloides: Preference or Aversion?. Insects, 2021, 12, 11.	2.2	5
18	Optimizing a Dual-Choice Cube Olfactometer Design for Measuring Adult Secondary Screwworm (Diptera: Calliphoridae) Attraction to a Resource. Journal of Medical Entomology, 2021, 58, 994-1003.	1.8	0

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19	Influence of Substrate Age on Oviposition Behavior of a Specialist Carrion Colonizer, Cochliomyia macellaria (Diptera: Calliphoridae). Journal of Medical Entomology, 2020, 57, 686-690.	1.8	6
20	Management of chicken manure using black soldier fly (Diptera: Stratiomyidae) larvae assisted by companion bacteria. Waste Management, 2020, 102, 312-318.	7.4	64
21	Genomic landscape and genetic manipulation of the black soldier fly Hermetia illucens, a natural waste recycler. Cell Research, 2020, 30, 50-60.	12.0	136
22	Microbial succession from a subsequent secondary death event following mass mortality. BMC Microbiology, 2020, 20, 309.	3.3	15
23	Effects of Bacterial Supplementation on Black Soldier Fly Growth and Development at Benchtop and Industrial Scale. Frontiers in Microbiology, 2020, 11, 587979.	3.5	23
24	Rearing substrate impacts growth and macronutrient composition of Hermetia illucens (L.) (Diptera:) Tj ETQq0 () 0 ggBT /C	Overlock 10 Tf
25	Mass Production of the Black Soldier Fly, Hermetia illucens (L.), (Diptera: Stratiomyidae) Reared on Three Manure Types. Animals, 2020, 10, 1243.	2.3	54
26	Rethinking organic wastes bioconversion: Evaluating the potential of the black soldier fly (Hermetia) Tj ETQq0 0	O rgBT /O	verlock 10 Tf
27	Comparing Selected Life-History Traits of Black Soldier Fly (Diptera: Stratiomyidae) Larvae Produced in Industrial and Bench-Top-Sized Containers. Journal of Insect Science, 2020, 20, .	1.5	19
28	Hermetia illucens and Hermetia fenestrata (Diptera: Stratiomyidae) Colonization of "Spoiled― Stingless Bee Geniotrigona thoracica (Hymenoptera: Apidae) Hives in Malaysia. Insects, 2020, 11, 737.	2.2	8
29	Validation of Acrylic Paint as a Marking Technique for Examining Mating Success of the Black Soldier Fly (Diptera: Stratiomyidae). Journal of Economic Entomology, 2020, 113, 2128-2133.	1.8	3
30	The upper thermal tolerance for a Texas population of the hairy maggot blow flyChrysomya rufifaciesMacquart (Diptera: Calliphoridae). Ecological Entomology, 2020, 45, 1146-1157.	2.2	7
31	Influence of Substrate Age and Interspecific Colonization on Oviposition Behavior of a Generalist Feeder, Black Soldier Fly (Diptera: Stratiomyidae), on Carrion. Journal of Medical Entomology, 2020, 57, 987-993.	1.8	4
32	Dual oxidase Duox and Toll-like receptor 3 TLR3 in the Toll pathway suppress zoonotic pathogens through regulating the intestinal bacterial community homeostasis in Hermetia illucens L PLoS ONE, 2020, 15, e0225873.	2.5	19
33	Effects of Photoperiod on the Development of Forensically Important Blow Fly Chrysomya rufifacies (Diptera: Calliphoridae). Journal of Medical Entomology, 2020, 57, 1382-1389.	1.8	9
34	Impact of diet moisture on the development of the forensically important blow fly Cochliomyia macellaria (Fabricius) (Diptera: Calliphoridae). Forensic Science International, 2020, 312, 110333.	2.2	17
35	The puzzling mitochondrial phylogeography of the black soldier fly (Hermetia illucens), the commercially most important insect protein species. BMC Evolutionary Biology, 2020, 20, 60.	3.2	26
36	Forensic Entomology. , 2020, , 163-172.		O

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37	Gene expression correlates of facultative predation in the blow fly Chrysomya rufifacies (Diptera:) Tj ETQq1 1 0.7	843] 4 rgB 1.9	T <u>f</u> Overlock
38	Soil arthropod community responses to carrion with delayed insect access. Food Webs, 2019, 20, e00118.	1.2	4
39	A Special Issue on Insects as Feed and Food as Tribute to Dr. Marianne Clopton Shockley (14 August 1975) Tj ETC	Qq1_1 0.78 2 _{2.5}	34314 rgBT/
40	The upper thermal tolerance of the secondary screwworm, Cochliomyia macellaria Fabricius (Diptera:) Tj ETQq0 C	OrgBT/O	verlock 10 Tf
41	Effect of moisture content on greenhouse gas and NH3 emissions from pig manure converted by black soldier fly. Science of the Total Environment, 2019, 697, 133840.	8.0	76
42	Adult Reproductive Tract Morphology and Spermatogenesis in the Black Soldier Fly (Diptera:) Tj ETQq0 0 0 rgBT	Overlock 1	10 Tf 50 542
43	Impact of Larval Competition on Life-History Traits of the Black Soldier Fly (Diptera: Stratiomyidae). Annals of the Entomological Society of America, 2019, 112, 505-510.	2.5	16
44	Life-History Traits of the Black Soldier Fly, Hermetia illucens (L.) (Diptera: Stratiomyidae), Reared on Three Manure Types. Animals, 2019, 9, 281.	2.3	67
45	Microbial communities of salmon resource subsidies and associated necrophagous consumers during decomposition: Potential of cross-ecosystem microbial dispersal. Food Webs, 2019, 19, e00114.	1.2	10
46	Enhanced bioconversion of dairy and chicken manure by the interaction of exogenous bacteria and black soldier fly larvae. Journal of Environmental Management, 2019, 237, 75-83.	7.8	77
47	Interspecific Competition between the House Fly, Musca domestica L. (Diptera: Muscidae) and Black Soldier Fly, Hermetia illucens (L.) (Diptera: Stratiomyidae) When Reared on Poultry Manure. Insects, 2019, 10, 440.	2.2	17
48	Necrobiome framework for bridging decomposition ecology of autotrophically and heterotrophically derived organic matter. Ecological Monographs, 2019, 89, e01331.	5.4	127
49	How do invasive species affect native species? Experimental evidence from a carrion blowfly (Diptera:) Tj ETQq1 1	. 0,784314 2.2	1 rgBT /Overl
50	Efficient co-conversion process of chicken manure into protein feed and organic fertilizer by Hermetia illucens L. (Diptera: Stratiomyidae) larvae and functional bacteria. Journal of Environmental Management, 2018, 217, 668-676.	7.8	109
51	Larval digestion of different manure types by the black soldier fly (Diptera: Stratiomyidae) impacts associated volatile emissions. Waste Management, 2018, 74, 213-220.	7.4	92
52	Dynamic Effects of Initial pH of Substrate on Biological Growth and Metamorphosis of Black Soldier Fly (Diptera: Stratiomyidae). Environmental Entomology, 2018, 47, 159-165.	1.4	85
53	Indirect effects of larval dispersal following mass mortality events. Ecology, 2018, 99, 491-493.	3.2	33
54	Decomposition of biowaste macronutrients, microbes, and chemicals in black soldier fly larval treatment: A review. Waste Management, 2018, 82, 302-318.	7.4	256

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55	Spatial Distribution of Forensically Significant Blow Flies in Subfamily Lucilinae (Diptera:) Tj ETQq1 1 0.784314 Insects, 2018, 9, 181.	rgBT /Ovei 2.2	lock 10 Tf 50 3
56	Rapidly mitigating antibiotic resistant risks in chicken manure by <scp><i>Hermetia illucens</i></scp> bioconversion with intestinal microflora. Environmental Microbiology, 2018, 20, 4051-4062.	3.8	46
57	Predicting Geographic Distribution of Forensically Significant Blow Flies of Subfamily Chrysomyinae (Diptera: Calliphoridae) in Northern Thailand. Insects, 2018, 9, 106.	2.2	10
58	Interkingdom Community Interactions in Disease Ecology. Advances in Environmental Microbiology, 2018, , 3-38.	0.3	1
59	Impact of pH and feeding system on black soldier fly (Hermetia illucens, L; Diptera: Stratiomyidae) larval development. PLoS ONE, 2018, 13, e0202591.	2.5	91
60	Systematic characterization and proposed pathway of tetracycline degradation in solid waste treatment by Hermetia illucens with intestinal microbiota. Environmental Pollution, 2018, 242, 634-642.	7.5	80
61	Impacts of dietary amino acid composition and microbial presence on preference and performance of immature <i>Lucilia sericata</i> (Diptera: Calliphoridae). Ecological Entomology, 2018, 43, 612-620.	2.2	9
62	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. Annals of the Entomological Society of America, 2017, 110, 73-82.	2.5	14
63	Genome Sequence of a Providencia stuartii Strain Isolated from <i>Lucilia sericata</i> Salivary Glands. Genome Announcements, 2017, 5, .	0.8	3
64	<pre><scp><i>M</i></scp><i>ycobacterium ulcerans</i> toxin, mycolactone may enhance hostâ€seeking and oviposition behaviour by <scp><i>A</i></scp><i>edes aegypti</i> (<scp>L</scp>.) (<scp>D</scp>iptera:) Tj ET</pre>	Qq 03 0380 rg	BT <i>\$</i> Overlock
65	Indole: An evolutionarily conserved influencer of behavior across kingdoms. BioEssays, 2017, 39, 1600203.	2.5	56
66	A Review of Bacterial Interactions With Blow Flies (Diptera: Calliphoridae) of Medical, Veterinary, and Forensic Importance. Annals of the Entomological Society of America, 2017, 110, 19-36.	2.5	71
67	Morphology of immature stages of blow fly, Lucilia sinensis Aubertin (Diptera: Calliphoridae), a potential species of forensic importance. Acta Tropica, 2017, 176, 395-401.	2.0	9
68	Evaluation of Sterilized Artificial Diets for Mass Rearing the Lucilia sericata (Diptera: Calliphoridae). Journal of Medical Entomology, 2017, 54, 1122-1128.	1.8	4
69	Mass mortality events and the role of necrophagous invertebrates. Current Opinion in Insect Science, 2017, 23, 7-12.	4.4	24
70	Variation in the Time of Colonization of Broiler Carcasses by Carrion Flies in Nakhonsawan Province, Thailand. Journal of Medical Entomology, 2017, 54, 1157-1166.	1.8	8
71	Abiotic and Biotic Factors Regulating Inter-Kingdom Engagement between Insects and Microbe Activity on Vertebrate Remains. Insects, 2017, 8, 54.	2.2	30
72	The Impact of Diet Protein and Carbohydrate on Select Life-History Traits of The Black Soldier Fly Hermetia illucens (L.) (Diptera: Stratiomyidae). Insects, 2017, 8, 56.	2.2	185

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73	Temporal and Spatial Impact of Human Cadaver Decomposition on Soil Bacterial and Arthropod Community Structure and Function. Frontiers in Microbiology, 2017, 8, 2616.	3.5	55
74	Methods for external disinfection of blow fly (Diptera: Calliphoridae) eggs prior to use in wound debridement therapy. Wound Repair and Regeneration, 2016, 24, 384-393.	3.0	20
75	Bioconversion of organic wastes into biodiesel and animal feed via insect farming. Renewable Energy, 2016, 98, 197-202.	8.9	281
76	Effects of temperature and diet on black soldier fly, Hermetia illucens (L.) (Diptera: Stratiomyidae), development. Forensic Science International, 2016, 266, 109-116.	2.2	93
77	Responses of Lucilia sericata (Diptera: Calliphoridae) to compounds from microbial decomposition of larval resources. Animal Behaviour, 2016, 115, 217-225.	1.9	46
78	Genome Sequence of a <i>Proteus mirabilis</i> Strain Isolated from the Salivary Glands of Larval <i>Lucilia sericata</i> . Genome Announcements, 2016, 4, .	0.8	5
79	Attraction and Oviposition ofLucilia eximia(Diptera: Calliphoridae) to Resources Colonized by the Invasive CompetitorChrysomya albiceps(Diptera: Calliphoridae). Journal of Medical Entomology, 2016, 54, tjw170.	1.8	10
80	Introduction to Carrion Ecology, Evolution, and Their Applications. , 2015, , 3-12.		5
81	Effect of Quorum Sensing by Staphylococcus epidermidis on the Attraction Response of Female Adult Yellow Fever Mosquitoes, Aedes aegypti aegypti (Linnaeus) (Diptera: Culicidae), to a Blood-Feeding Source. PLoS ONE, 2015, 10, e0143950.	2.5	19
82	Ability of Black Soldier Fly (Diptera: Stratiomyidae) Larvae to Recycle Food Waste. Environmental Entomology, 2015, 44, 406-410.	1.4	357
83	Development and validation of a new technique for estimating a minimum postmortem interval using adult blowAfly (Diptera: Calliphoridae) carcass attendance. International Journal of Legal Medicine, 2015, 129, 851-859.	2.2	31
84	A metagenomic assessment of the bacteria associated with Lucilia sericata and Lucilia cuprina (Diptera:) Tj ETQq0	0,0 rgBT /	'Qyerlock 10
85	SPECIES COMPOSITION OF CARRION BLOW FLIES IN NORTHERN THAILAND: ALTITUDE APPRAISAL. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2014, 56, 179-182.	1.1	19
86	Priority effects on the lifeâ€history traits of two carrion blow fly (<scp>D</scp> iptera,) Tj ETQq0 0 0 rgBT /Overloo	ck 10 Tf 50 2.2) <u>22</u> 2 Td (<s< td=""></s<>
87	The potential use of bacterial community succession in forensics as described by high throughput metagenomic sequencing. International Journal of Legal Medicine, 2014, 128, 193-205.	2.2	254
88	Developmental variation among Cochliomyia macellaria Fabricius (Diptera: Calliphoridae) populations from three ecoregions of Texas, USA. International Journal of Legal Medicine, 2014, 128, 709-717.	2.2	55
89	Effects of temperature and tissue type on Chrysomya rufifacies (Diptera: Calliphoridae) (Macquart) development. Forensic Science International, 2014, 245, 24-29.	2.2	52
90	Delayed insect access alters carrion decomposition and necrophagous insect community assembly. Ecosphere, 2014, 5, 1-21.	2.2	86

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91	Environmental Factors Affecting Early Carcass Attendance by Four Species of Blow Flies (Diptera:) Tj ETQq1 1 0.7	84314 rgl	BT ₄ Overlock
92	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera:) Tj ETQq0 0 0 rgBT /Over	lock 10 Tf	50,702 Td (S
93	Microbial Volatile Emissions as Insect Semiochemicals. Journal of Chemical Ecology, 2013, 39, 840-859.	1.8	386
94	Laboratory Development and Field Validation of <i>Phormia regina</i> (Diptera:) Tj ETQq0 0 0 rgBT /O	verlock 10 1.8	Tf 50 622 To
95	Bacteria Mediate Oviposition by the Black Soldier Fly, Hermetia illucens (L.), (Diptera: Stratiomyidae). Scientific Reports, 2013, 3, 2563.	3.3	83
96	Developmental and Waste Reduction Plasticity of Three Black Soldier Fly Strains (Diptera:) Tj ETQq0 0 0 rgBT /Ov 1224-1230.	erlock 10 1.8	Tf 50 547 Td 159
97	Influence of Resources on <i>Hermetia illucens</i> (Diptera: Stratiomyidae) Larval Development. Journal of Medical Entomology, 2013, 50, 898-906.	1.8	194
98	Microbial Community Functional Change during Vertebrate Carrion Decomposition. PLoS ONE, 2013, 8, e79035.	2.5	147
99	Assessment of Decomposition Studies Indicates Need for Standardized and Repeatable Research Methods in Forensic Entomology. Journal of Forensics Research, 2012, 03, .	0.1	35
100	Interkingdom responses of flies to bacteria mediated by fly physiology and bacterial quorum sensing. Animal Behaviour, 2012, 84, 1449-1456.	1.9	83
101	<i>Proteus mirabilis</i> interkingdom swarming signals attract blow flies. ISME Journal, 2012, 6, 1356-1366.	9.8	101
102	Inoculating Poultry Manure With Companion Bacteria Influences Growth and Development of Black Soldier Fly (Diptera: Stratiomyidae) Larvae. Environmental Entomology, 2011, 40, 30-35.	1.4	129
103	Basic research in evolution and ecology enhances forensics. Trends in Ecology and Evolution, 2011, 26, 53-55.	8.7	87
104	Bioconversion of dairy manure by black soldier fly (Diptera: Stratiomyidae) for biodiesel and sugar production. Waste Management, 2011, 31, 1316-1320.	7.4	254
105	Sensory Analysis of Rainbow Trout, <i>Oncorhynchus mykiss</i> , Fed Enriched Black Soldier Fly Prepupae, <i>Hermetia illucens</i> , Journal of the World Aquaculture Society, 2011, 42, 34-45.	2.4	264
106	Influence of parasitism and soil compaction on pupation of the green bottle fly, <i>Lucilia sericata</i> . Entomologia Experimentalis Et Applicata, 2010, 136, 134-141.	1.4	15
107	Effects of Temperature and Tissue Type on the Development of <i>Cochliomyia macellaria </i> (Diptera:) Tj ETQq1	1 0.78431 1.8	.4 rgBT /Over
108	Effects of Temperature and Tissue Type on the Development of <i>Cochliomyia macellaria</i> (Diptera:) Tj ETQqQ	0 0 0 rgBT	/Oyerlock 10

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109	An Artificial Light Source Influences Mating and Oviposition of Black Soldier Flies, <i>Hermetia illucens </i> Journal of Insect Science, 2010, 10, 1-7.	1.5	73
110	Development of the Black Soldier Fly (Diptera: Stratiomyidae) in Relation to Temperature: Table 1 Environmental Entomology, 2009, 38, 930-934.	1.4	232
111	Black Soldier Fly (Diptera: Stratiomyidae) Larvae Reduce <l>Escherichia coli</l> in Dairy Manure. Environmental Entomology, 2008, 37, 1525-1530.	1.4	207
112	Development of Black Soldier Fly (Diptera: Stratiomyidae) Larvae Fed Dairy Manure. Environmental Entomology, 2008, 37, 11-15.	1.4	82
113	Fly Prepupae as a Feedstuff for Rainbow Trout, Oncorhynchus mykiss. Journal of the World Aquaculture Society, 2007, 38, 59-67.	2.4	340
114	Fish Offal Recycling by the Black Soldier Fly Produces a Foodstuff High in Omega-3 Fatty Acids. Journal of the World Aquaculture Society, 2007, 38, 309-313.	2.4	311
115	Associative learning of odor with food- or blood-meal by Culex quinquefasciatus Say (Diptera:) Tj ETQq1 1 0.78431	.4 rgBT /O 1.6	verlock 10 43
116	The ability of conditioned Microplitis croceipes (Hymenoptera: Braconidae) to distinguish between odors of aflatoxigenic and non-aflatoxigenic fungal strains. Chemoecology, 2005, 15, 89-95.	1.1	6
117	Black Soldier Fly (Diptera: Stratiomyidae) Colonization of Pig Carrion in South Georgia. Journal of Forensic Sciences, 2005, 50, 1-2.	1.6	42
118	Black soldier fly (Diptera: Stratiomyidae) colonization of pig carrion in south Georgia. Journal of Forensic Sciences, 2005, 50, 152-3.	1.6	17
119	Conditioned Microplitis croceipes Cresson (Hymenoptera: Braconidae) detect and respond to 2,4-DNT: development of a biological sensor. Journal of Forensic Sciences, 2005, 50, 1187-90.	1.6	4
120	Susceptibility of Black Soldier Fly (Diptera: Stratiomyidae) Larvae and Adults to Four Insecticides. Journal of Economic Entomology, 2002, 95, 598-602.	1.8	22
121	Molecular systematics of the endemic Hawaiian blowfly genus Dyscritomyia Grimshaw : Diptera : Calliphoridae. Medical Entomology and Zoology, 2002, 53, 231-238.	0.1	13
122	Rearing Methods for the Black Soldier Fly (Diptera: Stratiomyidae): Table 1. Journal of Medical Entomology, 2002, 39, 695-698.	1.8	337
123	Selected Life-History Traits of Black Soldier Flies (Diptera: Stratiomyidae) Reared on Three Artificial Diets. Annals of the Entomological Society of America, 2002, 95, 379-386.	2.5	227
124	Factors Influencing Mating and Oviposition of Black Soldier Flies (Diptera: Stratiomyidae) in a Colony. Journal of Entomological Science, 2002, 37, 345-352.	0.3	142
125	Lekking Behavior of the Black Soldier Fly (Diptera: Stratiomyidae). Florida Entomologist, 2001, 84, 729.	0.5	77
126	Seasonal Colonization and Decomposition of Rat Carrion in Water and on Land in an Open Field in South Carolina. Journal of Medical Entomology, 1998, 35, 704-709.	1.8	92