Daniel E Sonenshine

List of Publications by Year
in descending order

86 papers	4,774 citations	87888 38 h-index	102487 66 g-index
88 all docs	88 docs citations	88 times ranked	3614 citing authors

#	Article	IF	Citations
1	Overview: Ticks as vectors of pathogens that cause disease in humans and animals. Frontiers in Bioscience - Landmark, 2008, Volume, 6938.	3.0	609
2	Genomic insights into the Ixodes scapularis tick vector of Lyme disease. Nature Communications, 2016, 7, 10507.	12.8	450
3	Range Expansion of Tick Disease Vectors in North America: Implications for Spread of Tick-Borne Disease. International Journal of Environmental Research and Public Health, 2018, 15, 478.	2.6	316
4	Rickettsial Infection in<i>Dermacentor variabilis</i>(Acari: Ixodidae) Inhibits Transovarial Transmission of a Second<i>Rickettsia</i>. Journal of Medical Entomology, 2002, 39, 809-813.	1.8	246
5	Electron microscopic investigation of the effects of diabetes mellitus on the Achilles tendon. Journal of Foot and Ankle Surgery, 1997, 36, 272-278.	1.0	228
6	Argasid and ixodid systematics: Implications for soft tick evolution and systematics, with a new argasid species list. Ticks and Tick-borne Diseases, 2019, 10, 219-240.	2.7	111
7	TICK PHEROMONES AND THEIR USE IN TICK CONTROL. Annual Review of Entomology, 2006, 51, 557-580.	11.8	110
8	Exploring the mialome of ticks: An annotated catalogue of midgut transcripts from the hard tick, Dermacentor variabilis (Acari: Ixodidae). BMC Genomics, 2008, 9, 552.	2.8	109
9	Contrasts in Tick Innate Immune Responses to<i>Borrelia burgdorferi</i>Challenge: Immunotolerance in<i>Ixodes scapularis</i>Versus Immunocompetence in<i>Dermacentor variabilis</i>(Acari: Ixodidae). Journal of Medical Entomology, 2001, 38, 99-107.	1.8	104
10	Sequence and the developmental and tissue-specific regulation of the first complete vitellogenin messenger RNA from ticks responsible for heme sequestration. Insect Biochemistry and Molecular Biology, 2007, 37, 363-374.	2.7	84
11	Control of Bacterial Infections in the Hard Tick Dermacentor variabilis (Acari: Ixodidae): Evidence for the Existence of Antimicrobial Proteins in Tick Hemolymph. Journal of Medical Entomology, 1998, 35, 458-464.	1.8	74
12	Molecular characterization and related aspects of the innate immune response in ticks. Frontiers in Bioscience - Landmark, 2008, Volume, 7046.	3.0	74
13	Ticks and spotted fever group rickettsiae of southeastern Virginia. Ticks and Tick-borne Diseases, 2014, 5, 53-57.	2.7	73
14	Infection and Transovarial Transmission of Rickettsiae inDermacentor variabilisTicks Acquired by Artificial Feeding. Vector-Borne and Zoonotic Diseases, 2001, 1, 45-53.	1.5	67
15	Response of the Tick <I>Dermacentor variabilis</I> (Acari: Ixodidae) to Hemocoelic Inoculation of <I>Borrelia burgdorferi</I> (Spirochetales). Journal of Medical Entomology, 2000, 37, 265-270.	1.8	66
16	Tick control: further thoughts on a research agenda. Trends in Parasitology, 2006, 22, 550-551.	3.3	65
17	<i>Rickettsia parkeri</i>Transmission to<i>Amblyomma americanum</i>by Cofeeding with<i>Amblyomma maculatum</i>(Acari: Ixodidae) and Potential for Spillover. Journal of Medical Entomology, 2015, 52, 1090-1095.	1.8	63
18	Host Blood Proteins and Peptides in the Midgut of the Tick Dermacentor variabilis Contributeto Bacterial Control. Experimental and Applied Acarology, 2005, 36, 207-223.	1.6	61

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19	Molecular characterization, tissue-specific expression and RNAi knockdown of the first vitellogenin receptor from a tick. Insect Biochemistry and Molecular Biology, 2007, 37, 375-388.	2.7	61
20	<i>Rickettsia parkeri</i>in Gulf Coast Ticks, Southeastern Virginia, USA. Emerging Infectious Diseases, 2011, 17, 896-898.	4.3	60
21	The Systematics of the Subfamily Ornithodorinae (Acarina: Argasidae). I. The Genera and Subgenera. Annals of the Entomological Society of America, 1964, 57, 429-437.	2.5	58
22	Ticks elicit variable fibrinogenolytic activities upon feeding on hosts with different immune backgrounds. Scientific Reports, 2017, 7, 44593.	3.3	57
23	Full-length sequence, regulation and developmental studies of a second vitellogenin gene from the American dog tick, Dermacentor variabilis. Journal of Insect Physiology, 2011, 57, 400-408.	2.0	56
24	Expression of Defensin-Like Peptides in Tick Hemolymph and Midgut in Response to Challenge with Borrelia burgdorferi, Escherichia coli and Bacillus subtilis. Experimental and Applied Acarology, 2002, 28, 127-134.	1.6	55
25	First Transcriptome of the Testis-Vas Deferens-Male Accessory Gland and Proteome of the Spermatophore from Dermacentor variabilis (Acari: Ixodidae). PLoS ONE, 2011, 6, e24711.	2.5	55
26	Heme-binding storage proteins in the Chelicerata. Journal of Insect Physiology, 2009, 55, 287-296.	2.0	54
27	Resistance of the Tick <I>Dermacentor variabilis</I> (Acari: Ixodidae) Following Challenge with the Bacterium <I>Escherichia coli</I> (Enterobacteriales: Enterobacteriaceae). Journal of Medical Entomology, 2002, 39, 376-383.	1.8	51
28	Transcriptome of the Female Synganglion of the Black-Legged Tick Ixodes scapularis (Acari: Ixodidae) with Comparison between Illumina and 454 Systems. PLoS ONE, 2014, 9, e102667.	2.5	51
29	Absence of insect juvenile hormones in the American dog tick, Dermacentor variabilis (Say) (Acari:Ixodidae), and in Ornithodoros parkeri Cooley (Acari:Argasidae). Journal of Insect Physiology, 2000, 46, 477-490.	2.0	49
30	An arthropod defensin expressed by the hemocytes of the American dog tick, Dermacentor variabilis (Acari: Ixodidae). Insect Biochemistry and Molecular Biology, 2003, 33, 1099-1103.	2.7	49
31	Tick Hallerâ€™s Organ, a New Paradigm for Arthropod Olfaction: How Ticks Differ from Insects. International Journal of Molecular Sciences, 2017, 18, 1563.	4.1	49
32	In vivo role of 20-hydroxyecdysone in the regulation of the vitellogenin mRNA and egg development in the American dog tick, Dermacentor variabilis (Say). Journal of Insect Physiology, 2005, 51, 1105-1116.	2.0	48
33	Neuropeptide signaling sequences identified by pyrosequencing of the American dog tick synganglion transcriptome during blood feeding and reproduction. Insect Biochemistry and Molecular Biology, 2010, 40, 79-90.	2.7	47
34	Ixodes affinis (Acari: Ixodidae) in southeastern Virginia and implications for the spread of Borrelia burgdorferi, the agent of Lyme disease. Journal of Vector Ecology, 2011, 36, 464-467.	1.0	46
35	Microbial Invasion vs. Tick Immune Regulation. Frontiers in Cellular and Infection Microbiology, 2017, 7, 390.	3.9	45
36	Developmental profile, isolation, and biochemical characterization of a novel lipoglycoheme-carrier protein from the American dog tick, Dermacentor variabilis (Acari: Ixodidae) and observations on a similar protein in the soft tick, Ornithodoros parkeri (Acari: Argasidae). Insect Biochemistry and Molecular Biology, 2001, 31, 299-311.	2.7	42

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37	Ivermectin Causes Cimex lectularius (Bedbug) Morbidity and Mortality. Journal of Emergency Medicine, 2013, 45, 433-440.	0.7	41
38	Glass Capillary Tube Feeding: A Method for Infecting Nymphal<i>Ixodes scapularis</i>(Acari: Ixodidae) with The Lyme Disease Spirochete<i>Borrelia burgdorferi</i>. Journal of Medical Entomology, 2002, 39, 285-292.	1.8	40
39	Tick Genome Assembled: New Opportunities for Research on Tick-Host-Pathogen Interactions. Frontiers in Cellular and Infection Microbiology, 2016, 6, 103.	3.9	38
40	Ticks, Ixodes scapularis, Feed Repeatedly on White-Footed Mice despite Strong Inflammatory Response: An Expanding Paradigm for Understanding Tickâ€“Host Interactions. Frontiers in Immunology, 2017, 8, 1784.	4.8	38
41	Vitellogenin Receptor as a Target for Tick Control: A Mini-Review. Frontiers in Physiology, 2019, 10, 618.	2.8	38
42	Chemical Composition of Some Components of the Arrestment Pheromone of the Black-Legged Tick, <I>Ixodes scapularis</I> (Acari: Ixodidae) and Their Use in Tick Control. Journal of Medical Entomology, 2003, 40, 849-859.	1.8	37
43	Silencing expression of the defensin, varisin, in male DermacentorÂvariabilis by RNA interference results in reduced AnaplasmaÂmarginale infections. Experimental and Applied Acarology, 2008, 46, 17-28.	1.6	37
44	Borrelia burgdorferi in Eastern Virginia: Comparison between a Coastal and Inland Locality. American Journal of Tropical Medicine and Hygiene, 1995, 53, 123-133.	1.4	35
45	Comparative Efficacy of BioUD to Other Commercially Available Arthropod Repellents against the Ticks Amblyomma americanum and Dermacentor variabilis on Cotton Cloth. American Journal of Tropical Medicine and Hygiene, 2009, 81, 685-690.	1.4	33
46	Experimental vertical transmission of Rickettsia parkeri in the Gulf Coast tick, Amblyomma maculatum. Ticks and Tick-borne Diseases, 2015, 6, 568-573.	2.7	33
47	Infrared light detection by the hallerâ€™s organ of adult american dog ticks, Dermacentor variabilis (Ixodida: Ixodidae). Ticks and Tick-borne Diseases, 2017, 8, 764-771.	2.7	33
48	Tickâ€, mosquitoâ€, and rodentâ€borne parasite sampling designs for the National Ecological Observatory Network. Ecosphere, 2016, 7, e01271.	2.2	31
49	Evidence for the Existence of A Sex Pheromone in 2 Species of Ixodid Ticks (Metastigmata: Ixodidae)1. Journal of Medical Entomology, 1974, 11, 307-315.	1.8	29
50	Using an in vitro system for maintaining Varroa destructor mites on Apis mellifera pupae as hosts: studies of mite longevity and feeding behavior. Experimental and Applied Acarology, 2018, 74, 301-315.	1.6	27
51	Varroa destructor mites vector and transmit pathogenic honey bee viruses acquired from an artificial diet. PLoS ONE, 2020, 15, e0242688.	2.5	25
52	Hormonal regulation of metamorphosis and reproduction in ticks. Frontiers in Bioscience - Landmark, 2008, Volume, 7250.	3.0	24
53	Gene Expression of Tissue-Specific Molecules in Ex vivo<i>Dermacentor variabilis</i>(Acari: Ixodidae) During Rickettsial Exposure. Journal of Medical Entomology, 2013, 50, 1089-1096.	1.8	22
54	Efficacy of tags impregnated with pheromone and acaricide for control of Amblyomma variegatum. Medical and Veterinary Entomology, 1998, 12, 141-150.	1.5	21

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55	Capillary Tube Feeding System for Studying Tickâ€"Pathogen Interactions of <I>Dermacentor variabilis</I> (Acari: Ixodidae) and <I>Anaplasma marginale</I> (Rickettsiales: Anaplasmataceae). Journal of Medical Entomology, 2005, 42, 864-874.	1.8	21
56	In vitropropagation ofCandidatusRickettsia andeanae isolated fromAmblyomma maculatum. FEMS Immunology and Medical Microbiology, 2012, 64, 74-81.	2.7	20
57	Kinetics of ingested host immunoglobulin G in hemolymph and whole body homogenates during nymphal development of Dermacentor variabilis and Ixodes scapularis ticks (Acari: Ixodidae). Experimental and Applied Acarology, 2002, 27, 329-340.	1.6	19
58	New approach for the study of mite reproduction: The first transcriptome analysis of a mite, Phytoseiulus persimilis (Acari: Phytoseiidae). Journal of Insect Physiology, 2011, 57, 52-61.	2.0	19
59	Mevalonate-Farnesal Biosynthesis in Ticks: Comparative Synganglion Transcriptomics and a New Perspective. PLoS ONE, 2016, 11, e0141084.	2.5	19
60	Insights into the metabolism and behaviour of <i>Varroa destructor</i> mites from analysis of their waste excretions. Parasitology, 2019, 146, 527-532.	1.5	19
61	Three-dimensional reconstruction of the feeding apparatus of the tick Ixodes ricinus (Acari: Ixodidae): a new insight into the mechanism of blood-feeding. Scientific Reports, 2020, 10, 165.	3.3	18
62	Male engorgement factor: Role in stimulating engorgement to repletion in the ixodid tick, Dermacentor variabilis. Journal of Insect Physiology, 2009, 55, 909-918.	2.0	16
63	The ToxAvapA Toxin-Antitoxin Locus Contributes to the Survival of Nontypeable Haemophilus influenzae during Infection. PLoS ONE, 2014, 9, e91523.	2.5	16
64	Characterization of vitellin protein in the twospotted spider mite, Tetranychus urticae (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.0	14
65	Microbiomes of Blood-Feeding Arthropods: Genes Coding for Essential Nutrients and Relation to Vector Fitness and Pathogenic Infections. A Review. Microorganisms, 2021, 9, 2433.	3.6	14
66	Using RNA interference to determine the role of varisin in the innate immune system of the hard tick Dermacentor variabilis (Acari: Ixodidae). Experimental and Applied Acarology, 2008, 46, 7-15.	1.6	13
67	TickBot: A novel robotic device for controlling tick populations in the natural environment. Ticks and Tick-borne Diseases, 2015, 6, 146-151.	2.7	13
68	Identification and comparative analysis of subolesin/akirin ortholog from Ornithodoros turicata ticks. Parasites and Vectors, 2015, 8, 132.	2.5	12
69	Evidence of female sex pheromones and characterization of the cuticular lipids of unfed, adult male versus female blacklegged ticks, Ixodes scapularis. Experimental and Applied Acarology, 2016, 68, 519-538.	1.6	11
70	Insights into the feeding behaviors and biomechanics of Varroa destructor mites on honey bee pupae using electropenetrography and histology. Journal of Insect Physiology, 2019, 119, 103950.	2.0	11
71	Enhancement of OspC expression byBorrelia burgdorferiin the presence of tick hemolymph. FEMS Microbiology Letters, 2000, 193, 137-141.	1.8	10
72	Heme Oxygenase-1 Induction by Blood-Feeding Arthropods Controls Skin Inflammation and Promotes Disease Tolerance. Cell Reports, 2020, 33, 108317.	6.4	10

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73	A Contribution to the Internal Anatomy and Histology of the Bat Tick Ornithodoros Kelleyi Cooley And Kohls, 1941.: I. The alimentary system, with notes on the food channel in Ornithodoros denmarki Kohls, Sonenshine, and Clifford, 19651. Journal of Medical Entomology, 1970, 7, 46-64.	1.8	9
74	A Striped Skunk Population in Virginia, 1963-69. Chesapeake Science, 1974, 15, 140.	0.5	9
75	Evaluation of subcutaneous injection of local anesthetic agents as a method of tick removal. American Journal of Emergency Medicine, 1995, 13, 14-16.	1.6	9
76	An In Vitro Blood-Feeding Method Revealed Differential<i>Borrelia turicatae</i>(Spirochaetales:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Tick<i>Ornithodoros turicata</i>(Acari: Argasidae). Journal of Medical Entomology, 2017, 54, tjw171.	1.8	9
77	Epigenetic Regulation of Tick Biology and Vectorial Capacity. Trends in Genetics, 2021, 37, 8-11.	6.7	8
78	Does geographic range affect the attractant-aggregation-attachment pheromone of the tropical bont tick, amblyomma variegatum?. Experimental and Applied Acarology, 2000, 24, 283-299.	1.6	5
79	The Use of Ivermectin to Kill Ixodes Scapularis Ticks Feeding on Humans. Wilderness and Environmental Medicine, 2014, 25, 29-34.	0.9	5
80	Histological Atlas of the Internal Anatomy of Female <i>Varroa destructor</i> (Mesostigmata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 America, 2022, 115, 163-193.	2.5	5
81	Getting Them Where They Liveâ€"Semiochemical-Based Strategies To Address Major Gaps in Vector Control Programs: Vectrax, SPLAT BAC, Trojan Cow, and SPLAT TK. ACS Symposium Series, 2018, , 101-152.	0.5	4
82	Initial Assessment of the Ability of Ivermectin to Kill Ixodes scapularis and Dermacentor variabilis Ticks Feeding on Humans. Wilderness and Environmental Medicine, 2013, 24, 48-52.	0.9	3
83	Ticks. , 2009, , 1003-1011.		2
84	Tick Ecdysteroid Hormone, Global Microbiota/Rickettsia Signaling in the Ovary versus Carcass during Vitellogenesis in Part-Fed (Virgin) American Dog Ticks, Dermacentor variabilis. Microorganisms, 2021, 9, 1242.	3.6	2
85	Biology and Molecular Biology of Ixodes scapularis. , 2021, , .		1
86	A striped skunk population in Virginia, 1963â€"69. Estuaries and Coasts, 1974, 15, 140-145.	2.2	0