Shahid Karim

List of Publications by Year
in descending order

66 papers	2,356 citations	218381 26 h-index	233125 45 g-index
84 all docs	84 docs citations	84 times ranked	2020 citing authors

#	Article	IF	Citations
1	A Deep Insight into the Sialotranscriptome of the Gulf Coast Tick, Amblyomma maculatum. PLoS ONE, 2011, 6, e28525.	1.1	214
2	Discovery of Alpha-Gal-Containing Antigens in North American Tick Species Believed to Induce Red Meat Allergy. Frontiers in Immunology, 2019, 10, 1056.	2.2	126
3	Sialomes and Mialomes: A Systems-Biology View of Tick Tissues and Tickâ€"Host Interactions. Trends in Parasitology, 2016, 32, 242-254.	1.5	123
4	A study of ticks and tick-borne livestock pathogens in Pakistan. PLoS Neglected Tropical Diseases, 2017, 11, e0005681.	1.3	121
5	An Insight Into the Microbiome of theAmblyomma maculatum(Acari: Ixodidae). Journal of Medical Entomology, 2014, 51, 119-129.	0.9	115
6	An Insight into the Sialome of the Lone Star Tick, Amblyomma americanum, with a Glimpse on Its Time Dependent Gene Expression. PLoS ONE, 2015, 10, e0131292.	1.1	110
7	Selective Cysteine Protease Inhibition Contributes to Blood-feeding Success of the Tick Ixodes scapularis. Journal of Biological Chemistry, 2007, 282, 29256-29263.	1.6	95
8	RNAi-mediated gene silencing to assess the role of synaptobrevin and cystatin in tick blood feeding. Biochemical and Biophysical Research Communications, 2005, 334, 1336-1342.	1.0	87
9	The tick endosymbiont Candidatus Midichloria mitochondrii and selenoproteins are essential for the growth of Rickettsia parkeri in the Gulf Coast tick vector. Microbiome, 2018, 6, 141.	4.9	73
10	Functional genomics tool: Gene silencing in Ixodes scapularis eggs and nymphs by electroporated dsRNA. BMC Biotechnology, 2010, 10, 1.	1.7	66
11	Effects of coumaphos and imidacloprid on honey bee (Hymenoptera: Apidae) lifespan and antioxidant gene regulations in laboratory experiments. Scientific Reports, 2018, 8, 15003.	1.6	65
12	Importation of exotic ticks and tick-borne spotted fever group rickettsiae into the United States by migrating songbirds. Ticks and Tick-borne Diseases, 2014, 5, 127-134.	1.1	59
13	Structural characterization of tick cement cones collected from in vivo and artificial membrane blood-fed Lone Star ticks (Amblyomma americanum). Ticks and Tick-borne Diseases, 2016, 7, 880-892.	1.1	51
14	An insight into the functional role of thioredoxin reductase, a selenoprotein, in maintaining normal native microbiota in the Gulf Coast tick (Amblyomma maculatum). Insect Molecular Biology, 2015, 24, 570-581.	1.0	48
15	Amblyomma americanum salivary glands: double-stranded RNA-mediated gene silencing of synaptobrevin homologue and inhibition of PGE2 stimulated protein secretion. Insect Biochemistry and Molecular Biology, 2004, 34, 407-413.	1.2	45
16	Effects of tectonics and large scale climatic changes on the evolutionary history of Hyalomma ticks. Molecular Phylogenetics and Evolution, 2017, 114, 153-165.	1.2	45
17	Assessment of tick antioxidant responses to exogenous oxidative stressors and insight into the role of catalase in the reproductive fitness of the Gulf Coast tick, Amblyomma maculatum. Insect Molecular Biology, 2016, 25, 283-294.	1.0	44
18	Toxicity and Receptor Binding Properties of Bacillus thuringiensis Î´-Endotoxins to the Midgut Brush Border Membrane Vesicles of the Rice Leaf Folders, Cnaphalocrocis medinalis and Marasmia patnalis. Current Microbiology, 2000, 41, 276-283.	1.0	42

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19	Determination of Receptor Binding Properties of Bacillus thuringiensis Î´-Endotoxins to Cotton Bollworm (Helicoverpa zea) and Pink Bollworm (Pectinophora gossypiella) Midgut Brush Border Membrane Vesicles. Pesticide Biochemistry and Physiology, 2000, 67, 198-216.	1.6	41
20	Discovery of Exosomes From Tick Saliva and Salivary Glands Reveals Therapeutic Roles for CXCL12 and IL-8 in Wound Healing at the Tickâ€“Human Skin Interface. Frontiers in Cell and Developmental Biology, 2020, 8, 554.	1.8	40
21	Tick-Borne Pathogens Shape the Native Microbiome Within Tick Vectors. Microorganisms, 2020, 8, 1299.	1.6	38
22	Tick Saliva and the Alpha-Gal Syndrome: Finding a Needle in a Haystack. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680264.	1.8	37
23	Identification of SNARE and cell trafficking regulatory proteins in the salivary glands of the lone star tick, Amblyomma americanum (L.). Insect Biochemistry and Molecular Biology, 2002, 32, 1711-1721.	1.2	36
24	A snapshot of the microbiome of Amblyomma tuberculatum ticks infesting the gopher tortoise, an endangered species. Ticks and Tick-borne Diseases, 2016, 7, 1225-1229.	1.1	33
25	The microbiome of neotropical ticks parasitizing on passerine migratory birds. Ticks and Tick-borne Diseases, 2017, 8, 170-173.	1.1	33
26	Knockdown of Selenocysteine-Specific Elongation Factor in Amblyomma maculatum Alters the Pathogen Burden of Rickettsia parkeri with Epigenetic Control by the Sin3 Histone Deacetylase Corepressor Complex. PLoS ONE, 2013, 8, e82012.	1.1	30
27	Amblyomma americanum salivary gland homolog of nSec1 is essential for saliva protein secretion. Biochemical and Biophysical Research Communications, 2004, 324, 1256-1263.	1.0	28
28	First Record of a Spotted Fever GroupRickettsiasp. andTheileria annulatainHyalomma dromedarii(Acari: Ixodidae) Ticks in the United Arab Emirates. Florida Entomologist, 2015, 98, 135-139.	0.2	28
29	Interplay between Selenium, selenoprotein genes, and oxidative stress in honey bee Apis mellifera L.. Journal of Insect Physiology, 2019, 117, 103891.	0.9	27
30	Vector Tick Transmission Model of Spotted Fever Rickettsiosis. American Journal of Pathology, 2019, 189, 115-123.	1.9	27
31	Rickettsia parkeri colonization in Amblyomma maculatum: the role of superoxide dismutases. Parasites and Vectors, 2016, 9, 291.	1.0	26
32	Probing the functional role of tick metalloproteases. Physiological Entomology, 2015, 40, 177-188.	0.6	25
33	Tick salivary gland extract induces alphaâ€gal syndrome in alphaâ€gal deficient mice. Immunity, Inflammation and Disease, 2021, 9, 984-990.	1.3	25
34	Transcriptional activation of antioxidants may compensate for selenoprotein deficiencies in <scp>A</scp>mblyomma maculatum (<scp>A</scp>cari: <scp>I</scp>xodidae) injected with <scp>selK</scp>â€•or <scp>selM</scp>â€<scp>dsRNA</scp>. Insect Molecular Biology, 2014, 23, 497-510.	1.0	24
35	Temporal Gene Expression Analysis and RNA Silencing of Single and Multiple Members of Gene Family in the Lone Star Tick Amblyomma americanum. PLoS ONE, 2016, 11, e0147966.	1.1	24
36	RNAi-mediated gene silencing in tick synganglia: a proof of concept study. BMC Biotechnology, 2008, 8, 30.	1.7	22

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37	RNA Interference in Ticks. Advances in Insect Physiology, 2012, 42, 119-154.	1.1	20
38	Catalase is a determinant of the colonization and transovarial transmission of Rickettsia parkeri in the Gulf Coast tick Amblyomma maculatum. Insect Molecular Biology, 2017, 26, 414-419.	1.0	20
39	Choice of a Stable Set of Reference Genes for qRT-PCR Analysis in <I>Amblyomma maculatum</I> (Acari: Ixodidae). Journal of Medical Entomology, 2012, 49, 1339-1346.	0.9	19
40	Amblyomma maculatum SECIS binding protein 2 and putative selenoprotein P are indispensable for pathogen replication and tick fecundity. Insect Biochemistry and Molecular Biology, 2017, 88, 37-47.	1.2	19
41	Molecular characterization and functional significance of the Vti family of SNARE proteins in tick salivary glands. Insect Biochemistry and Molecular Biology, 2013, 43, 483-493.	1.2	18
42	Repurposing of Glycine-Rich Proteins in Abiotic and Biotic Stresses in the Lone-Star Tick (Amblyomma) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	15
43	Recent advances in understanding tick and rickettsiae interactions. Parasite Immunology, 2021, 43, e12830.	0.7	14
44	Alpha-Gal Syndrome: Involvement of Amblyomma americanum Î±-D-Galactosidase and Î²-1,4 Galactosyltransferase Enzymes in Î±-Gal Metabolism. Frontiers in Cellular and Infection Microbiology, 2021, 11, 775371.	1.8	14
45	Pesticidal and Receptor Binding Properties of Bacillus thuringiensis Cry1Ab and Cry1Ac Î´-Endotoxin Mutants to Pectinophora gossypiella and Helicoverpa zea. Current Microbiology, 2000, 41, 430-440.	1.0	13
46	Laboratory-InfectedEhrlichia chaffeensisFemale AdultAmblyomma americanumSalivary Glands Reveal Differential Gene Expression. Journal of Medical Entomology, 2012, 49, 547-554.	0.9	12
47	<scp>RNA</scp> interferenceâ€mediated depletion of Nâ€ethylmaleimide Sensitive Fusion Protein and Synaptosomal Associated Protein of 25 kDa results in the inhibition of blood feeding of the <scp>G</scp>ulf <scp>C</scp>oast tick, <scp>A</scp>mblyomma maculatum. Insect Molecular Biology, 2013, 22, 245-257.	1.0	12
48	RNA-seq reveals disruption in honey bee gene regulation when caged and deprived of hive conditions. Journal of Experimental Biology, 2019, 222, .	0.8	11
49	Is selenoprotein K required for Borrelia burgdorferi infection within the tick vector Ixodes scapularis?. Parasites and Vectors, 2019, 12, 289.	1.0	11
50	An Exploratory Study on the Microbiome of Northern and Southern Populations of Ixodes scapularis Ticks Predicts Changes and Unique Bacterial Interactions. Pathogens, 2022, 11, 130.	1.2	11
51	Structural and functional analyses of a glutaminyl cyclase from Ixodes scapularis reveal metal-independent catalysis and inhibitor binding. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 789-801.	2.5	10
52	Development of a novel murine model of alpha-gal meat allergy. Journal of Allergy and Clinical Immunology, 2017, 139, AB193.	1.5	9
53	Recently Evolved Francisella-Like Endosymbiont Outcompetes an Ancient and Evolutionarily Associated Coxiella-Like Endosymbiont in the Lone Star Tick (Amblyomma americanum) Linked to the Alpha-Gal Syndrome. Frontiers in Cellular and Infection Microbiology, 2022, 12, 787209.	1.8	9
54	Molecular characterization of tick salivary gland glutaminyl cyclase. Insect Biochemistry and Molecular Biology, 2013, 43, 781-793.	1.2	8

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55	Interaction of Bacillus thuringiensis Î´-endotoxins with Midgut Brush Border Membrane Vesicles of Helicoverpa armigera. Journal of Asia-Pacific Entomology, 1999, 2, 153-162.	0.4	7
56	Bacillus thuringiensis Î´-Endotoxin Proteins Show a Correlation in Toxicity and Short Circuit Current Inhibition Against Helicoverpa zea. Current Microbiology, 2000, 41, 214-219.	1.0	5
57	The sialotranscriptome of the gopher-tortoise tick, Amblyomma tuberculatum. Ticks and Tick-borne Diseases, 2021, 12, 101560.	1.1	4
58	Cationic Glycopolyelectrolytes for RNA Interference in Tick Cells. Biomacromolecules, 2022, 23, 34-46.	2.6	3
59	Identification of microRNAs in the Lyme Disease Vector Ixodes scapularis. International Journal of Molecular Sciences, 2022, 23, 5565.	1.8	3
60	Evaluation of Pakistanian Bacillus thuringiensis isolates against Scirpophaga incertulas and Cnaphalocrocis medinalis. Journal of Asia-Pacific Entomology, 1999, 2, 61-67.	0.4	2
61	An Insight Into the microRNA Profile of the Ectoparasitic Mite Varroa destructor (Acari: Varroidae), the Primary Vector of Honey Bee Deformed Wing Virus. Frontiers in Cellular and Infection Microbiology, 2022, 12, 847000.	1.8	2
62	Laboratory colonization by Dirofilaria immitis alters the microbiome of female Aedes aegypti mosquitoes. Parasites and Vectors, 2020, 13, 349.	1.0	1
63	Red Meat Allergy May Develop Independent of Tick Blood Meal Status. Journal of Allergy and Clinical Immunology, 2019, 143, AB34.	1.5	0
64	Aqueous RAFT Synthesis of Low Molecular Weight Anionic Polymers for Determination of Structure/Binding Interactions with Gliadin. Macromolecular Bioscience, 2020, 20, 2000125.	2.1	0
65	Selective human cysteine protease inhibition mediates Ixodes scapularis blood feeding success. FASEB Journal, 2008, 22, 793.3.	0.2	0
66	Tick salivary gland extract may act as an adjuvant to induce alpha-gal syndrome in alpha-gal deficient mice. Journal of Allergy and Clinical Immunology, 2022, 149, AB52.	1.5	0