Michalis Kotsyfakis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5996956/publications.pdf

Version: 2024-02-01

85	3,583	117625	149698
papers	citations	34 h-index	56 g-index

88	88	88	2757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of host immunity by tick saliva. Journal of Proteomics, 2015, 128, 58-68.	2.4	196
2	Antiinflammatory and Immunosuppressive Activity of Sialostatin L, a Salivary Cystatin from the Tick Ixodes scapularis. Journal of Biological Chemistry, 2006, 281, 26298-26307.	3.4	193
3	Sialomes and Mialomes: A Systems-Biology View of Tick Tissues and Tickâ€“Host Interactions. Trends in Parasitology, 2016, 32, 242-254.	3.3	123
4	A tick salivary protein targets cathepsin G and chymase and inhibits host inflammation and platelet aggregation. Blood, 2011, 117, 736-744.	1.4	122
5	The mitochondrial genome of the Mediterranean fruit fly, Ceratitis capitata. Insect Molecular Biology, 2000, 9, 139-144.	2.0	118
6	Tick salivary secretion as a source of antihemostatics. Journal of Proteomics, 2012, 75, 3842-3854.	2.4	104
7	Tissue- and time-dependent transcription in Ixodes ricinus salivary glands and midguts when blood feeding on the vertebrate host. Scientific Reports, 2015, 5, 9103.	3.3	101
8	The Immunomodulatory Action of Sialostatin L on Dendritic Cells Reveals Its Potential to Interfere with Autoimmunity. Journal of Immunology, 2009, 182, 7422-7429.	0.8	100
9	Selective Cysteine Protease Inhibition Contributes to Blood-feeding Success of the Tick Ixodes scapularis. Journal of Biological Chemistry, 2007, 282, 29256-29263.	3.4	95
10	Cutting Edge: Immunity against a â€œSilentâ€•Salivary Antigen of the Lyme Vector Ixodes scapularis Impairs Its Ability to Feed. Journal of Immunology, 2008, 181, 5209-5212.	0.8	88
11	De novo Ixodes ricinus salivary gland transcriptome analysis using two nextâ€generation sequencing methodologies. FASEB Journal, 2013, 27, 4745-4756.	0.5	88
12	All For One and One For All on the Tickâ€“Host Battlefield. Trends in Parasitology, 2016, 32, 368-377.	3.3	88
13	An insight into the salivary transcriptome and proteome of the soft tick and vector of epizootic bovine abortion, Ornithodoros coriaceus. Journal of Proteomics, 2008, 71, 493-512.	2.4	84
14	Protease Inhibitors in Tick Saliva: The Role of Serpins and Cystatins in Tick-host-Pathogen Interaction. Frontiers in Cellular and Infection Microbiology, 2017, 7, 216.	3.9	81
15	Crystal structure and functional characterization of an immunomodulatory salivary cystatin from the soft tick Ornithodoros moubata. Biochemical Journal, 2010, 429, 103-112.	3.7	73
16	A Systems Level Analysis Reveals Transcriptomic and Proteomic Complexity in Ixodes Ricinus Midgut and Salivary Glands During Early Attachment and Feeding. Molecular and Cellular Proteomics, 2014, 13, 2725-2735.	3.8	73
17	The role of cystatins in tick physiology and blood feeding. Ticks and Tick-borne Diseases, 2012, 3, 117-127.	2.7	72
18	The crystal structures of two salivary cystatins from the tick Ixodes scapularis and the effect of these inhibitors on the establishment of Borrelia burgdorferi infection in a murine model. Molecular Microbiology, 2010, 77, 456-470.	2.5	68

#	Article	IF	Citations
19	The Tick Salivary Protein Sialostatin L Inhibits the Th9-Derived Production of the Asthma-Promoting Cytokine IL-9 and Is Effective in the Prevention of Experimental Asthma. Journal of Immunology, 2012, 188, 2669-2676.	0.8	68
20	Alboserpin, a Factor Xa Inhibitor from the Mosquito Vector of Yellow Fever, Binds Heparin and Membrane Phospholipids and Exhibits Antithrombotic Activity. Journal of Biological Chemistry, 2011, 286, 27998-28010.	3.4	62
21	Lufaxin, a Novel Factor Xa Inhibitor From the Salivary Gland of the Sand Fly Lutzomyia longipalpis Blocks Protease-Activated Receptor 2 Activation and Inhibits Inflammation and Thrombosis In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2185-2198.	2.4	62
22	Tick salivary cystatin sialostatin L2 suppresses <scp>IFN</scp> responses in mouse dendritic cells. Parasite Immunology, 2015, 37, 70-78.	1.5	61
23	Desmolaris, a novel factor XIa anticoagulant from the salivary gland of the vampire bat (Desmodus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	52
24	The Tick Salivary Protein Sialostatin L2 Inhibits Caspase-1-Mediated Inflammation during Anaplasma phagocytophilum Infection. Infection and Immunity, 2014, 82, 2553-2564.	2.2	51
25	The Tick Protein Sialostatin L2 Binds to Annexin A2 and Inhibits NLRC4-Mediated Inflammasome Activation. Infection and Immunity, 2016, 84, 1796-1805.	2.2	47
26	Tick sialostatins L and L2 differentially influence dendritic cell responses to Borrelia spirochetes. Parasites and Vectors, 2015, 8, 275.	2.5	46
27	sRNAbench: profiling of small RNAs and its sequence variants in single or multi-species high-throughput experiments. Methods in Next Generation Sequencing, 2014, 1, .	1.5	44
28	Simukunin from the Salivary Glands of the Black Fly Simulium vittatum Inhibits Enzymes That Regulate Clotting and Inflammatory Responses. PLoS ONE, 2012, 7, e29964.	2.5	44
29	Effects of Aedes aegypti salivary components on dendritic cell and lymphocyte biology. Parasites and Vectors, 2013, 6, 329.	2.5	43
30	Ixodes ricinus Salivary Serpin IRS-2 Affects Th17 Differentiation via Inhibition of the Interleukin-6/STAT-3 Signaling Pathway. Infection and Immunity, 2015, 83, 1949-1956.	2.2	42
31	The Use of Tick Salivary Proteins as Novel Therapeutics. Frontiers in Physiology, 2019, 10, 812.	2.8	41
32	Ixodes scapularis saliva mitigates inflammatory cytokine secretion during Anaplasma phagocytophilum stimulation of immune cells. Parasites and Vectors, 2012, 5, 229.	2.5	40
33	SALO, a novel classical pathway complement inhibitor from saliva of the sand fly Lutzomyia longipalpis. Scientific Reports, 2016, 6, 19300.	3.3	40
34	In silico target network analysis of de novo-discovered, tick saliva-specific microRNAs reveals important combinatorial effects in their interference with vertebrate host physiology. Rna, 2017, 23, 1259-1269.	3.5	36
35	Identification and Mechanistic Analysis of a Novel Tick-Derived Inhibitor of Thrombin. PLoS ONE, 2015, 10, e0133991.	2.5	35
36	Tick Salivary Sialostatin L Represses the Initiation of Immune Responses by Targeting IRF4-Dependent Transcription in Murine Mast Cells. Journal of Immunology, 2015, 195, 621-631.	0.8	35

#	Article	IF	Citations
37	The structure and function of Iristatin, a novel immunosuppressive tick salivary cystatin. Cellular and Molecular Life Sciences, 2019, 76, 2003-2013.	5.4	33
38	Tryptogalinin Is a Tick Kunitz Serine Protease Inhibitor with a Unique Intrinsic Disorder. PLoS ONE, 2013, 8, e62562.	2.5	32
39	Ixodes ricinus defensins attack distantly-related pathogens. Developmental and Comparative Immunology, 2015, 53, 358-365.	2.3	32
40	Anaplasma phagocytophilum: deceptively simple or simply deceptive?. Future Microbiology, 2012, 7, 719-731.	2.0	31
41	Plasmodium falciparum Infection Induces Expression of a Mosquito Salivary Protein (Agaphelin) That Targets Neutrophil Function and Inhibits Thrombosis without Impairing Hemostasis. PLoS Pathogens, 2014, 10, e1004338.	4.7	31
42	The Prostaglandin E2-EP3 Receptor Axis Regulates Anaplasma phagocytophilum-Mediated NLRC4 Inflammasome Activation. PLoS Pathogens, 2016, 12, e1005803.	4.7	31
43	Cysteine Proteases from Bloodfeeding Arthropod Ectoparasites. Advances in Experimental Medicine and Biology, 2011, 712, 177-191.	1.6	30
44	In Vitro Mode of Action and Anti-thrombotic Activity of Boophilin, a Multifunctional Kunitz Protease Inhibitor from the Midgut of a Tick Vector of Babesiosis, Rhipicephalus microplus. PLoS Neglected Tropical Diseases, 2016, 10, e0004298.	3.0	30
45	Anaplasma phagocytophilum Dihydrolipoamide Dehydrogenase 1 Affects Host-Derived Immunopathology during Microbial Colonization. Infection and Immunity, 2012, 80, 3194-3205.	2.2	29
46	Defibrotide Interferes With Several Steps of the Coagulation-Inflammation Cycle and Exhibits Therapeutic Potential to Treat Severe Malaria. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 786-798.	2.4	29
47	Deep Sequencing Analysis of the Ixodes ricinus Haemocytome. PLoS Neglected Tropical Diseases, 2015, 9, e0003754.	3.0	29
48	Tick Salivary Compounds for Targeted Immunomodulatory Therapy. Frontiers in Immunology, 2020, 11, 583845.	4.8	28
49	Plasmodium berghei ookinetes bind to Anopheles gambiae and Drosophila melanogaster annexins. Molecular Microbiology, 2005, 57, 171-179.	2.5	27
50	Message in a vesicle â€“ trans-kingdom intercommunication at the vectorâ€“host interface. Journal of Cell Science, 2019, 132, .	2.0	27
51	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. Nature Communications, 2021, 12, 3696.	12.8	27
52	Exosome-Mediated Pathogen Transmission by Arthropod Vectors. Trends in Parasitology, 2018, 34, 549-552.	3.3	25
53	Ixonnexin from Tick Saliva Promotes Fibrinolysis by Interacting with Plasminogen and Tissue-Type Plasminogen Activator, and Prevents Arterial Thrombosis. Scientific Reports, 2018, 8, 4806.	3.3	24
54	Long Non-Coding RNAs and Their Potential Roles in the Vectorâ€“Hostâ€“Pathogen Triad. Life, 2021, 11, 56.	2.4	24

#	Article	IF	Citations
55	Characterization and functional analysis of cathelicidin-MH, a novel frog-derived peptide with anti-septicemic properties. ELife, 2021, 10, .	6.0	23
56	The health impact of Saharan dust exposure. International Journal of Occupational Medicine and Environmental Health, 2019, 32, 749-760.	1.3	23
57	Noncoding RNAs in Parasiteâ€“Vectorâ€“Host Interactions. Trends in Parasitology, 2019, 35, 715-724.	3.3	22
58	MicroRNAs as biomarkers of harmful environmental and occupational exposures: a systematic review. Biomarkers, 2019, 24, 623-630.	1.9	21
59	The Anopheles gambiae cE5, a tight- and fast-binding thrombin inhibitor with post-transcriptionally regulated salivary-restricted expression. Insect Biochemistry and Molecular Biology, 2012, 42, 610-620.	2.7	20
60	Small protease inhibitors in tick saliva and salivary glands and their role in tick-host-pathogen interactions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140336.	2.3	20
61	An Epithelial Serine Protease, AgESP, Is Required for Plasmodium Invasion in the Mosquito Anopheles gambiae. PLoS ONE, 2012, 7, e35210.	2.5	20
62	The Salivary Gland Transcriptome of the Eastern Tree Hole Mosquito,Ochlerotatus triseriatus. Journal of Medical Entomology, 2010, 47, 376-386.	1.8	17
63	Antiplasmodial Activity Is an Ancient and Conserved Feature of Tick Defensins. Frontiers in Microbiology, 2016, 7, 1682.	3.5	17
64	Tick salivary gland transcriptomics and proteomics. Parasite Immunology, 2021, 43, e12807.	1.5	17
65	Iripin-3, a New Salivary Protein Isolated From Ixodes ricinus Ticks, Displays Immunomodulatory and Anti-Hemostatic Properties In Vitro. Frontiers in Immunology, 2021, 12, 626200.	4.8	16
66	Insights into the Role of Tick Salivary Protease Inhibitors during Ectoparasiteâ€“Host Crosstalk. International Journal of Molecular Sciences, 2021, 22, 892.	4.1	13
67	Ixodes ricinus Salivary Serpin Iripin-8 Inhibits the Intrinsic Pathway of Coagulation and Complement. International Journal of Molecular Sciences, 2021, 22, 9480.	4.1	13
68	Serpins in Tick Physiology and Tick-Host Interaction. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	3.9	13
69	Cyr61/CCN1 Displays High-Affinity Binding to the Somatomedin B 1â€“44 Domain of Vitronectin. PLoS ONE, 2010, 5, e9356.	2.5	12
70	The Salivary Gland Transcriptome of the Eastern Tree Hole Mosquito, <I>Ochlerotatus triseriatus</I>. Journal of Medical Entomology, 2010, 47, 376-386.	1.8	12
71	Mialostatin, a Novel Midgut Cystatin from Ixodes ricinus Ticks: Crystal Structure and Regulation of Host Blood Digestion. International Journal of Molecular Sciences, 2021, 22, 5371.	4.1	10
72	For Whom the Bell Tolls (and Nods): Spit-acular Saliva. Current Tropical Medicine Reports, 2016, 3, 40-50.	3.7	8

#	Article	IF	Citations
73	Antioxidant properties and neuroprotective effects of Esc-1GN through the regulation of MAPK and AKT signaling. Life Sciences, 2020, 254, 117753.	4.3	8
74	Citizen science initiative points at childhood BCG vaccination as a risk factor for COVIDâ€19. Transboundary and Emerging Diseases, 2021, 68, 3114-3119.	3.0	8
75	Structural and biochemical characterization of the novel serpin Iripin-5 from Ixodes ricinus. Acta Crystallographica Section D: Structural Biology, 2021, 77, 1183-1196.	2.3	8
76	The annexin gene family in the malaria mosquito Anopheles gambiae. Insect Molecular Biology, 2005, 14, 555-562.	2.0	7
77	Emerging roles of non-coding RNAs in vector-borne infections. Journal of Cell Science, 2021, 134, .	2.0	6
78	A Nod to disease vectors: mitigation of pathogen sensing by arthropod saliva. Frontiers in Microbiology, 2013, 4, 308.	3.5	5
79	Quantitative proteomics analysis reveals core and variable tick salivary proteins at the tickâ€vertebrate host interface. Molecular Ecology, 2022, 31, 4162-4175.	3.9	4
80	Comparison of the hemolysis machinery in two evolutionarily distant blood-feeding arthropod vectors of human diseases. PLoS Neglected Tropical Diseases, 2021, 15, e0009151.	3.0	2
81	Tick Saliva and Microbial Effector Molecules. , 2017, , 169-194.		0
82	Addendum: KotÃ¡l et al. Ixodes ricinus Salivary Serpin Iripin-8 Inhibits the Intrinsic Pathway of Coagulation and Complement. Int. J. Mol. Sci. 2021, 22, 9480. International Journal of Molecular Sciences, 2021, 22, 11271.	4.1	0
83	Selective human cysteine protease inhibition mediates Ixodes scapularis blood feeding success. FASEB Journal, 2008, 22, 793.3.	0.5	0
84	Salivary Protease Inhibitors with Non Anti-Hemostatic Functions. , 2010, , 153-164.		0
85	Next-generation transcriptome and proteome approaches to better understand the transmission life-cycle of the tickIxodes ricinus. , 2016, , .		0