

Michalis Kotsyfakis

List of Publications by Year in descending order

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85
papers

3,583
citations

117625

34
h-index

149698

56
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88
all docs

88
docs citations

88
times ranked

2757
citing authors

#	ARTICLE	IF	CITATIONS
1	Serpins in Tick Physiology and Tick-Host Interaction. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	3.9	13
2	Quantitative proteomics analysis reveals core and variable tick salivary proteins at the tick-vertebrate host interface. <i>Molecular Ecology</i> , 2022, 31, 4162-4175.	3.9	4
3	Emerging roles of non-coding RNAs in vector-borne infections. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	6
4	Tick salivary gland transcriptomics and proteomics. <i>Parasite Immunology</i> , 2021, 43, e12807.	1.5	17
5	Long Non-Coding RNAs and Their Potential Roles in the Vector-Host-Pathogen Triad. <i>Life</i> , 2021, 11, 56.	2.4	24
6	Insights into the Role of Tick Salivary Protease Inhibitors during Ectoparasite-Host Crosstalk. <i>International Journal of Molecular Sciences</i> , 2021, 22, 892.	4.1	13
7	Comparison of the hemolysis machinery in two evolutionarily distant blood-feeding arthropod vectors of human diseases. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009151.	3.0	2
8	Iripin-3, a New Salivary Protein Isolated From <i>Ixodes ricinus</i> Ticks, Displays Immunomodulatory and Anti-Hemostatic Properties In Vitro. <i>Frontiers in Immunology</i> , 2021, 12, 626200.	4.8	16
9	Characterization and functional analysis of cathelicidin-MH, a novel frog-derived peptide with anti-septicemic properties. <i>ELife</i> , 2021, 10, .	6.0	23
10	Citizen science initiative points at childhood BCG vaccination as a risk factor for COVID-19. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 3114-3119.	3.0	8
11	Mialostatin, a Novel Midgut Cystatin from <i>Ixodes ricinus</i> Ticks: Crystal Structure and Regulation of Host Blood Digestion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5371.	4.1	10
12	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	12.8	27
13	Structural and biochemical characterization of the novel serpin Iripin-5 from <i>Ixodes ricinus</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1183-1196.	2.3	8
14	<i>Ixodes ricinus</i> Salivary Serpin Iripin-8 Inhibits the Intrinsic Pathway of Coagulation and Complement. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9480.	4.1	13
15	Addendum: Kotyl et al. <i>Ixodes ricinus</i> Salivary Serpin Iripin-8 Inhibits the Intrinsic Pathway of Coagulation and Complement. <i>Int. J. Mol. Sci.</i> 2021, 22, 9480. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11271.	4.1	0
16	Small protease inhibitors in tick saliva and salivary glands and their role in tick-host-pathogen interactions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140336.	2.3	20
17	Tick Salivary Compounds for Targeted Immunomodulatory Therapy. <i>Frontiers in Immunology</i> , 2020, 11, 583845.	4.8	28
18	Antioxidant properties and neuroprotective effects of Esc-1GN through the regulation of MAPK and AKT signaling. <i>Life Sciences</i> , 2020, 254, 117753.	4.3	8

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19	MicroRNAs as biomarkers of harmful environmental and occupational exposures: a systematic review. <i>Biomarkers</i> , 2019, 24, 623-630.	1.9	21
20	Noncoding RNAs in Parasiteâ€“Vectorâ€“Host Interactions. <i>Trends in Parasitology</i> , 2019, 35, 715-724.	3.3	22
21	The Use of Tick Salivary Proteins as Novel Therapeutics. <i>Frontiers in Physiology</i> , 2019, 10, 812.	2.8	41
22	Message in a vesicle â€“ trans-kingdom intercommunication at the vectorâ€“host interface. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	27
23	The structure and function of Iristatin, a novel immunosuppressive tick salivary cystatin. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2003-2013.	5.4	33
24	The health impact of Saharan dust exposure. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2019, 32, 749-760.	1.3	23
25	Exosome-Mediated Pathogen Transmission by Arthropod Vectors. <i>Trends in Parasitology</i> , 2018, 34, 549-552.	3.3	25
26	Ixonnexin from Tick Saliva Promotes Fibrinolysis by Interacting with Plasminogen and Tissue-Type Plasminogen Activator, and Prevents Arterial Thrombosis. <i>Scientific Reports</i> , 2018, 8, 4806.	3.3	24
27	In silico target network analysis of de novo-discovered, tick saliva-specific microRNAs reveals important combinatorial effects in their interference with vertebrate host physiology. <i>Rna</i> , 2017, 23, 1259-1269.	3.5	36
28	Protease Inhibitors in Tick Saliva: The Role of Serpins and Cystatins in Tick-host-Pathogen Interaction. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 216.	3.9	81
29	Tick Saliva and Microbial Effector Molecules. , 2017, , 169-194.		0
30	Antiplasmodial Activity Is an Ancient and Conserved Feature of Tick Defensins. <i>Frontiers in Microbiology</i> , 2016, 7, 1682.	3.5	17
31	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, <i>Rhipicephalus microplus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004298.	3.0	30
32	The Tick Protein Sialostatin L2 Binds to Annexin A2 and Inhibits NLRC4-Mediated Inflammasome Activation. <i>Infection and Immunity</i> , 2016, 84, 1796-1805.	2.2	47
33	SALO, a novel classical pathway complement inhibitor from saliva of the sand fly <i>Lutzomyia longipalpis</i> . <i>Scientific Reports</i> , 2016, 6, 19300.	3.3	40
34	For Whom the Bell Tolls (and Nods): Spit-acular Saliva. <i>Current Tropical Medicine Reports</i> , 2016, 3, 40-50.	3.7	8
35	All For One and One For All on the Tickâ€“Host Battlefield. <i>Trends in Parasitology</i> , 2016, 32, 368-377.	3.3	88
36	Sialomes and Mialomes: A Systems-Biology View of Tick Tissues and Tickâ€“Host Interactions. <i>Trends in Parasitology</i> , 2016, 32, 242-254.	3.3	123

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37	The Prostaglandin E2-EP3 Receptor Axis Regulates Anaplasma phagocytophilum-Mediated NLRC4 Inflammasome Activation. PLoS Pathogens, 2016, 12, e1005803.	4.7	31
38	Next-generation transcriptome and proteome approaches to better understand the transmission life-cycle of the tick <i>Ixodes ricinus</i> . , 2016, , .		0
39	Tick sialostatins L and L2 differentially influence dendritic cell responses to Borrelia spirochetes. Parasites and Vectors, 2015, 8, 275.	2.5	46
40	Identification and Mechanistic Analysis of a Novel Tick-Derived Inhibitor of Thrombin. PLoS ONE, 2015, 10, e0133991.	2.5	35
41	<i>Ixodes ricinus</i> 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
42	Modulation of host immunity by tick saliva. Journal of Proteomics, 2015, 128, 58-68.	2.4	196
43	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
44	Deep Sequencing Analysis of the <i>Ixodes ricinus</i> Haemocytome. PLoS Neglected Tropical Diseases, 2015, 9, e0003754.	3.0	29
45	Tissue- and time-dependent transcription in <i>Ixodes ricinus</i> salivary glands and midguts when blood feeding on the vertebrate host. Scientific Reports, 2015, 5, 9103.	3.3	101
46	Tick salivary cystatin sialostatin L2 suppresses γ IFN responses in mouse dendritic cells. Parasite Immunology, 2015, 37, 70-78.	1.5	61
47	<i>Ixodes ricinus</i> defensins attack distantly-related pathogens. Developmental and Comparative Immunology, 2015, 53, 358-365.	2.3	32
48	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
49	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
50	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
51	A Systems Level Analysis Reveals Transcriptomic and Proteomic Complexity in <i>Ixodes Ricinus</i> Midgut and Salivary Glands During Early Attachment and Feeding. Molecular and Cellular Proteomics, 2014, 13, 2725-2735.	3.8	73
52	Desmolaris, a novel factor XIa anticoagulant from the salivary gland of the vampire bat (Desmodus Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	52
53	Effects of Aedes aegypti salivary components on dendritic cell and lymphocyte biology. Parasites and Vectors, 2013, 6, 329.	2.5	43
54	<i>De novo Ixodes ricinus</i> salivary gland transcriptome analysis using two next-generation sequencing methodologies. FASEB Journal, 2013, 27, 4745-4756.	0.5	88

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55	Tryptogalinin Is a Tick Kunitz Serine Protease Inhibitor with a Unique Intrinsic Disorder. PLoS ONE, 2013, 8, e62562.	2.5	32
56	A Nod to disease vectors: mitigation of pathogen sensing by arthropod saliva. Frontiers in Microbiology, 2013, 4, 308.	3.5	5
57	Anaplasma phagocytophilum Dihydrolipoamide Dehydrogenase 1 Affects Host-Derived Immunopathology during Microbial Colonization. Infection and Immunity, 2012, 80, 3194-3205.	2.2	29
58	<i>Anaplasma phagocytophilum</i> : deceptively simple or simply deceptive?. Future Microbiology, 2012, 7, 719-731.	2.0	31
59	Lufaxin, a Novel Factor Xa Inhibitor From the Salivary Gland of the Sand Fly <i>Lutzomyia longipalpis</i> 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
60	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
61	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
62	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
63	The role of cystatins in tick physiology and blood feeding. Ticks and Tick-borne Diseases, 2012, 3, 117-127.	2.7	72
64	Tick salivary secretion as a source of antihemostatics. Journal of Proteomics, 2012, 75, 3842-3854.	2.4	104
65	Ixodes scapularis saliva mitigates inflammatory cytokine secretion during Anaplasma phagocytophilum stimulation of immune cells. Parasites and Vectors, 2012, 5, 229.	2.5	40
66	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
67	An Epithelial Serine Protease, AgESP, Is Required for Plasmodium Invasion in the Mosquito Anopheles gambiae. PLoS ONE, 2012, 7, e35210.	2.5	20
68	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
69	A tick salivary protein targets cathepsin G and chymase and inhibits host inflammation and platelet aggregation. Blood, 2011, 117, 736-744.	1.4	122
70	Cysteine Proteases from Bloodfeeding Arthropod Ectoparasites. Advances in Experimental Medicine and Biology, 2011, 712, 177-191.	1.6	30
71	Crystal structure and functional characterization of an immunomodulatory salivary cystatin from the soft tick <i>Ornithodoros moubata</i> . Biochemical Journal, 2010, 429, 103-112.	3.7	73
72	The crystal structures of two salivary cystatins from the tick <i>Ixodes scapularis</i> and the effect of these inhibitors on the establishment of <i>Borrelia burgdorferi</i> infection in a murine model. Molecular Microbiology, 2010, 77, 456-470.	2.5	68

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73	Cyr61/CCN1 Displays High-Affinity Binding to the Somatomedin B 1â€“44 Domain of Vitronectin. PLoS ONE, 2010, 5, e9356.	2.5	12
74	The Salivary Gland Transcriptome of the Eastern Tree Hole Mosquito, <i>Ochlerotatus triseriatus</i> . Journal of Medical Entomology, 2010, 47, 376-386.	1.8	17
75	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
76	Salivary Protease Inhibitors with Non Anti-Hemostatic Functions. , 2010, , 153-164.		0
77	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
78	An insight into the salivary transcriptome and proteome of the soft tick and vector of epizootic bovine abortion, <i>Ornithodoros coriaceus</i> . Journal of Proteomics, 2008, 71, 493-512.	2.4	84
79	Cutting Edge: Immunity against a â€œSilentâ€ Salivary Antigen of the Lyme Vector <i>Ixodes scapularis</i> Impairs Its Ability to Feed. Journal of Immunology, 2008, 181, 5209-5212.	0.8	88
80	Selective human cysteine protease inhibition mediates <i>Ixodes scapularis</i> blood feeding success. FASEB Journal, 2008, 22, 793.3.	0.5	0
81	Selective Cysteine Protease Inhibition Contributes to Blood-feeding Success of the Tick <i>Ixodes scapularis</i> . Journal of Biological Chemistry, 2007, 282, 29256-29263.	3.4	95
82	Antiinflammatory and Immunosuppressive Activity of Sialostatin L, a Salivary Cystatin from the Tick <i>Ixodes scapularis</i> . Journal of Biological Chemistry, 2006, 281, 26298-26307.	3.4	193
83	<i>Plasmodium berghei</i> ookinetes bind to <i>Anopheles gambiae</i> and <i>Drosophila melanogaster</i> annexins. Molecular Microbiology, 2005, 57, 171-179.	2.5	27
84	The annexin gene family in the malaria mosquito <i>Anopheles gambiae</i> . Insect Molecular Biology, 2005, 14, 555-562.	2.0	7
85	The mitochondrial genome of the Mediterranean fruit fly, <i>Ceratitis capitata</i> . Insect Molecular Biology, 2000, 9, 139-144.	2.0	118