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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	2,792 citations	33 h-index	50 g-index
81 ext. papers	3,151 ext. citations	3.8 avg, IF	4.43 L-index

#	Paper	IF	Citations
79	Isolation and characterization of gomesin, an 18-residue cysteine-rich defense peptide from the spider <i>Acanthoscurria gomesiana</i> hemocytes with sequence similarities to horseshoe crab antimicrobial peptides of the tachyplesin family. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33464-70	5.4	173
78	The lysozyme locus in <i>Drosophila melanogaster</i> : an expanded gene family adapted for expression in the digestive tract. <i>Molecular Genetics and Genomics</i> , 1994 , 242, 152-62		145
77	Antimicrobial activity of a bovine hemoglobin fragment in the tick <i>Boophilus microplus</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 25330-4	5.4	138
76	Cysteine-rich antimicrobial peptides of the cattle tick <i>Boophilus microplus</i> : isolation, structural characterization and tissue expression profile. <i>Developmental and Comparative Immunology</i> , 2004 , 28, 191-200	3.2	95
75	The solution structure of gomesin, an antimicrobial cysteine-rich peptide from the spider. <i>FEBS Journal</i> , 2002 , 269, 1190-8		86
74	Ixodidin, a novel antimicrobial peptide from the hemocytes of the cattle tick <i>Boophilus microplus</i> with inhibitory activity against serine proteinases. <i>Peptides</i> , 2006 , 27, 667-74	3.8	84
73	Structure-activity relationship studies of gomesin: importance of the disulfide bridges for conformation, bioactivities, and serum stability. <i>Biopolymers</i> , 2006 , 84, 205-18	2.2	79
72	Acanthoscurrin: a novel glycine-rich antimicrobial peptide constitutively expressed in the hemocytes of the spider <i>Acanthoscurria gomesiana</i> . <i>Developmental and Comparative Immunology</i> , 2003 , 27, 781-91	3.2	78
71	HeLp, a heme lipoprotein from the hemolymph of the cattle tick, <i>Boophilus microplus</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 36584-9	5.4	75
70	The lysozyme locus in <i>Drosophila melanogaster</i> : different genes are expressed in midgut and salivary glands. <i>Molecular Genetics and Genomics</i> , 1992 , 232, 335-43		71
69	Effective topical treatment of subcutaneous murine B16F10-Nex2 melanoma by the antimicrobial peptide gomesin. <i>Neoplasia</i> , 2008 , 10, 61-8	6.4	70
68	Factor Xa activation of factor V is of paramount importance in initiating the coagulation system: lessons from a tick salivary protein. <i>Circulation</i> , 2013 , 128, 254-66	16.7	66
67	ABC transporter efflux pumps: a defense mechanism against ivermectin in <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> . <i>International Journal for Parasitology</i> , 2011 , 41, 1323-33	4.3	65
66	Structure and mode of action of microplusin, a copper II-chelating antimicrobial peptide from the cattle tick <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> . <i>Journal of Biological Chemistry</i> , 2009 , 284, 34735-46	5.4	63
65	Production of reactive oxygen species by hemocytes from the cattle tick <i>Boophilus microplus</i> . <i>Experimental Parasitology</i> , 2001 , 99, 66-72	2.1	61
64	Identification and characterization of <i>Ixodes scapularis</i> antigens that elicit tick immunity using yeast surface display. <i>PLoS ONE</i> , 2011 , 6, e15926	3.7	59
63	Biological and structural characterization of new linear gomesin analogues with improved therapeutic indices. <i>Biopolymers</i> , 2007 , 88, 386-400	2.2	52

62	Modulation of the tick gut milieu by a secreted tick protein favors <i>Borrelia burgdorferi</i> colonization. <i>Nature Communications</i> , 2017 , 8, 184	17.4	51
61	Effect of the antimicrobial peptide gomesin against different life stages of <i>Plasmodium</i> spp. <i>Experimental Parasitology</i> , 2007 , 116, 346-53	2.1	50
60	Differential expression of genes in salivary glands of male <i>Rhipicephalus (Boophilus) microplus</i> in response to infection with <i>Anaplasma marginale</i> . <i>BMC Genomics</i> , 2010 , 11, 186	4.5	49
59	Lipopolysaccharide interaction with hemolin, an insect member of the Ig-superfamily. <i>FEBS Letters</i> , 1997 , 408, 127-30	3.8	49
58	A lysozyme in the salivary glands of the malaria vector <i>Anopheles darlingi</i> . <i>Insect Molecular Biology</i> , 1998 , 7, 257-64	3.4	47
57	Cellular and molecular characterization of an embryonic cell line (BME26) from the tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 568-80	4.5	46
56	Gene discovery in <i>Boophilus microplus</i> , the cattle tick: the transcriptomes of ovaries, salivary glands, and hemocytes. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1026, 242-6	6.5	45
55	Peptide gomesin triggers cell death through L-type channel calcium influx, MAPK/ERK, PKC and PI3K signaling and generation of reactive oxygen species. <i>Chemico-Biological Interactions</i> , 2010 , 186, 135-43	5	42
54	Isolation and biochemical characterization of peptides presenting antimicrobial activity from the skin of <i>Phyllomedusa hypochondrialis</i> . <i>Peptides</i> , 2006 , 27, 3092-9	3.8	41
53	Functional genomics and evolution of tick- <i>Anaplasma</i> interactions and vaccine development. <i>Veterinary Parasitology</i> , 2010 , 167, 175-86	2.8	40
52	Characterization and partial purification of a lectin from the hemolymph of the white shrimp <i>Litopenaeus schmitti</i> . <i>Developmental and Comparative Immunology</i> , 2002 , 26, 715-21	3.2	40
51	Vitellogenin and vitellin of <i>Musca domestica</i> Quantification and synthesis by fat bodies and ovaries. <i>Insect Biochemistry</i> , 1985 , 15, 77-84		39
50	Antimicrobial activity in the tick <i>Rhipicephalus (Boophilus) microplus</i> eggs: Cellular localization and temporal expression of microplusin during oogenesis and embryogenesis. <i>Developmental and Comparative Immunology</i> , 2009 , 33, 913-9	3.2	34
49	Gomesin, a peptide produced by the spider <i>Acanthoscurria gomesiana</i> , is a potent anticryptococcal agent that acts in synergism with fluconazole. <i>FEMS Microbiology Letters</i> , 2007 , 274, 279-86	2.9	34
48	The micelle-bound structure of an antimicrobial peptide derived from the alpha-chain of bovine hemoglobin isolated from the tick <i>Boophilus microplus</i> . <i>Biochemistry</i> , 2005 , 44, 6440-51	3.2	34
47	Cathepsin B and acid phosphatase activities during <i>Musca domestica</i> embryogenesis. <i>Insect Biochemistry and Molecular Biology</i> , 1993 , 23, 217-223	4.5	34
46	Characterization of proteinases from the midgut of <i>Rhipicephalus (Boophilus) microplus</i> involved in the generation of antimicrobial peptides. <i>Parasites and Vectors</i> , 2010 , 3, 63	4	31
45	The role of hemocytes in the immunity of the spider <i>Acanthoscurria gomesiana</i> . <i>Developmental and Comparative Immunology</i> , 2008 , 32, 716-25	3.2	30

44	Exploring the immune signalling pathway-related genes of the cattle tick <i>Rhipicephalus microplus</i> : From molecular characterization to transcriptional profile upon microbial challenge. <i>Developmental and Comparative Immunology</i> , 2016 , 59, 1-14	3.2	28
43	Conformational and functional studies of gomesin analogues by CD, EPR and fluorescence spectroscopies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 52-8	3.8	28
42	Chemical synthesis, structure-activity relationship, and properties of shepherdin I: a fungicidal peptide enriched in glycine-glycine-histidine motifs. <i>Amino Acids</i> , 2014 , 46, 2573-86	3.5	27
41	Therapeutic use of a cationic antimicrobial peptide from the spider <i>Acanthoscurria gomesiana</i> in the control of experimental candidiasis. <i>BMC Microbiology</i> , 2012 , 12, 28	4.5	25
40	Natural blood feeding and temperature shift modulate the global transcriptional profile of <i>Rickettsia rickettsii</i> infecting its tick vector. <i>PLoS ONE</i> , 2013 , 8, e77388	3.7	24
39	Purification and partial characterization of the plasma clotting protein from the pink shrimp <i>Farfantepenaeus paulensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 142, 302-7	2.3	23
38	Truncation of amidated fragment 33-61 of bovine alpha-hemoglobin: effects on the structure and anticandidal activity. <i>Biopolymers</i> , 2007 , 88, 413-26	2.2	22
37	Structural and biological characterization of one antibacterial acylpolyamine isolated from the hemocytes of the spider <i>Acanthoscurria gomesiana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007 , 352, 953-9	3.4	22
36	In vitro establishment of ivermectin-resistant <i>Rhipicephalus microplus</i> cell line and the contribution of ABC transporters on the resistance mechanism. <i>Veterinary Parasitology</i> , 2014 , 204, 316-22	2.8	21
35	Discovery of immune-related genes expressed in hemocytes of the tarantula spider <i>Acanthoscurria gomesiana</i> . <i>Developmental and Comparative Immunology</i> , 2006 , 30, 545-56	3.2	21
34	Effects of microplusin, a copper-chelating antimicrobial peptide, against <i>Cryptococcus neoformans</i> . <i>FEMS Microbiology Letters</i> , 2011 , 324, 64-72	2.9	20
33	Alpha2-macroglobulin from an Atlantic shrimp: biochemical characterization, sub-cellular localization and gene expression upon fungal challenge. <i>Fish and Shellfish Immunology</i> , 2011 , 31, 938-43	4.3	19
32	Effects of the antimicrobial peptide gomesin on the global gene expression profile, virulence and biofilm formation of <i>Xylella fastidiosa</i> . <i>FEMS Microbiology Letters</i> , 2010 , 306, 152-9	2.9	18
31	Molecular cloning, expression analysis and cellular localization of gomesin, an anti-microbial peptide from hemocytes of the spider <i>Acanthoscurria gomesiana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 1011-6	4.5	18
30	Purification and characterization of Hb 98-114: a novel hemoglobin-derived antimicrobial peptide from the midgut of <i>Rhipicephalus (Boophilus) microplus</i> . <i>Peptides</i> , 2012 , 37, 120-7	3.8	17
29	BYC, an atypical aspartic endopeptidase from <i>Rhipicephalus (Boophilus) microplus</i> eggs. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 149, 599-607	2.3	17
28	Virulence genes of <i>Rickettsia rickettsii</i> are differentially modulated by either temperature upshift or blood-feeding in tick midgut and salivary glands. <i>Parasites and Vectors</i> , 2016 , 9, 331	4	16
27	Exogenous insulin stimulates glycogen accumulation in <i>Rhipicephalus (Boophilus) microplus</i> embryo cell line BME26 via PI3K/AKT pathway. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009 , 153, 185-90	2.3	16

26	Ecdysteroid titers and changes in chromosomal activity in the salivary glands of <i>Rhynchosciara americana</i> . <i>Chromosoma</i> , 1984 , 90, 26-38	2.8	16
25	Vitellogenin and vitellin of <i>Rhynchosciara americana</i> : Further characterization and time of synthesis. <i>Insect Biochemistry</i> , 1983 , 13, 323-332		16
24	The Distinct Transcriptional Response of the Midgut of and Ticks to Correlates to Their Differences in Susceptibility to Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 129	5.9	15
23	Propagation of a Brazilian isolate of <i>Anaplasma marginale</i> with appendage in a tick cell line (BME26) derived from <i>Rhipicephalus (Boophilus) microplus</i> . <i>Veterinary Parasitology</i> , 2009 , 161, 150-3	2.8	15
22	Bioactive Natural Peptides. <i>Studies in Natural Products Chemistry</i> , 2008 , 35, 597-691	1.5	14
21	Induction of a gloverin-like antimicrobial polypeptide in the sugarcane borer <i>Diatraea saccharalis</i> challenged by septic injury. <i>Brazilian Journal of Medical and Biological Research</i> , 2010 , 43, 431-6	2.8	13
20	Differential effects of alpha-helical and beta-hairpin antimicrobial peptides against <i>Acanthamoeba castellanii</i> . <i>Parasitology</i> , 2009 , 136, 813-21	2.7	12
19	The transcription factor Relish controls <i>Anaplasma marginale</i> infection in the bovine tick <i>Rhipicephalus microplus</i> . <i>Developmental and Comparative Immunology</i> , 2017 , 74, 32-39	3.2	11
18	Immune-related redox metabolism of embryonic cells of the tick <i>Rhipicephalus microplus</i> (BME26) in response to infection with <i>Anaplasma marginale</i> . <i>Parasites and Vectors</i> , 2017 , 10, 613	4	11
17	Knockdown of the <i>Rhipicephalus microplus</i> cytochrome c oxidase subunit III gene is associated with a failure of <i>Anaplasma marginale</i> transmission. <i>PLoS ONE</i> , 2014 , 9, e98614	3.7	11
16	The Transcriptome of the Salivary Glands of Reveals the Antimicrobial Peptide Microplusin as an Important Factor for the Tick Protection Against Infection. <i>Frontiers in Physiology</i> , 2019 , 10, 529	4.6	10
15	Synthesis and properties of cyclic gomesin and analogues. <i>Journal of Peptide Science</i> , 2012 , 18, 588-98	2.1	10
14	Comparative analysis of the midgut microbiota of two natural tick vectors of <i>Rickettsia rickettsii</i> . <i>Developmental and Comparative Immunology</i> , 2020 , 106, 103606	3.2	10
13	Longipin: An Amyloid Antimicrobial Peptide from the Harvestman <i>Acutisoma longipes</i> (Arachnida: Opiliones) with Preferential Affinity for Anionic Vesicles. <i>PLoS ONE</i> , 2016 , 11, e0167953	3.7	10
12	Low temperature affects cattle tick reproduction but does not lead to transovarial transmission of <i>Anaplasma marginale</i> . <i>Veterinary Parasitology</i> , 2015 , 214, 322-6	2.8	9
11	Tick Immune System: What Is Known, the Interconnections, the Gaps, and the Challenges. <i>Frontiers in Immunology</i> , 2021 , 12, 628054	8.4	8
10	The spider acylpolyamine Mygalin is a potent modulator of innate immune responses. <i>Cellular Immunology</i> , 2012 , 275, 5-11	4.4	7
9	Structure-activity relationship of Trp-containing analogs of the antimicrobial peptide gomesin. <i>Journal of Peptide Science</i> , 2014 , 20, 421-8	2.1	5

8	Nonvitellogenic female protein in <i>Musca domestica</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1989 , 11, 245-255	2.3	3
7	(1)H, (15)N and (13)C assignments of the Rhipicephalus (Boophilus) microplus anti-microbial peptide microplusin. <i>Biomolecular NMR Assignments</i> , 2009 , 3, 187-9	0.7	2
6	The C-Terminal Fragment of Acanthoscurrin is a Difficult Sequence 2006 , 86-87		2
5	Comparative structural studies of vitellogenin and vitellin of <i>Rhynchosciara americana</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1985 , 80, 895-900		1
4	A tick cell line as a powerful tool to screen the antimicrobial susceptibility of the tick-borne pathogen <i>Anaplasma marginale</i> . <i>Experimental Parasitology</i> , 2020 , 217, 107958	2.1	1
3	Interaction of membrane mimetic vesicles with the antimicrobial peptide gomesin and its analogues. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 549-50	3.6	1
2	Biological and Structural Characterization of a New Linear Gomesin Analog 2006 , 273-274		
1	Time of synthesis of <i>Musca domestica</i> vitellogenin during the first gonotrophic cycle. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987 , 86, 697-700		