Sirlei Daffre

List of Publications by Year in Descending Order

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	Tick Immune System: What Is Known, the Interconnections, the Gaps, and the Challenges. *Frontiers in Immunology*, **2021**, 12, 628054	8.4	8
78	Comparative analysis of the midgut microbiota of two natural tick vectors of Rickettsia rickettsii. *Developmental and Comparative Immunology*, **2020**, 106, 103606	3.2	10
77	A tick cell line as a powerful tool to screen the antimicrobial susceptibility of the tick-borne pathogen Anaplasma marginale. *Experimental Parasitology*, **2020**, 217, 107958	2.1	1
76	The Transcriptome of the Salivary Glands of Reveals the Antimicrobial Peptide Microplusin as an Important Factor for the Tick Protection Against Infection. *Frontiers in Physiology*, **2019**, 10, 529	4.6	10
75	The transcription factor Relish controls Anaplasma marginale infection in the bovine tick Rhipicephalus microplus. *Developmental and Comparative Immunology*, **2017**, 74, 32-39	3.2	11
74	Immune-related redox metabolism of embryonic cells of the tick Rhipicephalus microplus (BME26) in response to infection with Anaplasma marginale. *Parasites and Vectors*, **2017**, 10, 613	4	11
73	Modulation of the tick gut milieu by a secreted tick protein favors Borrelia burgdorferi colonization. *Nature Communications*, **2017**, 8, 184	17.4	51
72	The Distinct Transcriptional Response of the Midgut of and Ticks to Correlates to Their Differences in Susceptibility to Infection. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 129	5.9	15
71	Virulence genes of Rickettsia rickettsii are differentially modulated by either temperature upshift or blood-feeding in tick midgut and salivary glands. *Parasites and Vectors*, **2016**, 9, 331	4	16
70	Exploring the immune signalling pathway-related genes of the cattle tick Rhipicephalus microplus: From molecular characterization to transcriptional profile upon microbial challenge. *Developmental and Comparative Immunology*, **2016**, 59, 1-14	3.2	28
69	Longipin: An Amyloid Antimicrobial Peptide from the Harvestman Acutisoma longipes (Arachnida: Opiliones) with Preferential Affinity for Anionic Vesicles. *PLoS ONE*, **2016**, 11, e0167953	3.7	10
68	Low temperature affects cattle tick reproduction but does not lead to transovarial transmission of Anaplasma marginale. *Veterinary Parasitology*, **2015**, 214, 322-6	2.8	9
67	Structure-activity relationship of Trp-containing analogs of the antimicrobial peptide gomesin. *Journal of Peptide Science*, **2014**, 20, 421-8	2.1	5
66	Chemical synthesis, structure-activity relationship, and properties of shepherin I: a fungicidal peptide enriched in glycine-glycine-histidine motifs. *Amino Acids*, **2014**, 46, 2573-86	3.5	27
65	In vitro establishment of ivermectin-resistant Rhipicephalus microplus cell line and the contribution of ABC transporters on the resistance mechanism. *Veterinary Parasitology*, **2014**, 204, 316-22	2.8	21
64	Knockdown of the Rhipicephalus microplus cytochrome c oxidase subunit III gene is associated with a failure of Anaplasma marginale transmission. *PLoS ONE*, **2014**, 9, e98614	3.7	11
63	Factor Xa activation of factor V is of paramount importance in initiating the coagulation system: lessons from a tick salivary protein. *Circulation*, **2013**, 128, 254-66	16.7	66

62	Natural blood feeding and temperature shift modulate the global transcriptional profile of Rickettsia rickettsii infecting its tick vector. *PLoS ONE*, **2013**, 8, e77388	3.7	24
61	Synthesis and properties of cyclic gomesin and analogues. *Journal of Peptide Science*, **2012**, 18, 588-98	2.1	10
60	Therapeutic use of a cationic antimicrobial peptide from the spider Acanthoscurria gomesiana in the control of experimental candidiasis. *BMC Microbiology*, **2012**, 12, 28	4.5	25
59	Purification and characterization of Hb 98-114: a novel hemoglobin-derived antimicrobial peptide from the midgut of Rhipicephalus (Boophilus) microplus. *Peptides*, **2012**, 37, 120-7	3.8	17
58	The spider acylpolyamine Mygalin is a potent modulator of innate immune responses. *Cellular Immunology*, **2012**, 275, 5-11	4.4	7
57	Alpha2-macroglobulin from an Atlantic shrimp: biochemical characterization, sub-cellular localization and gene expression upon fungal challenge. *Fish and Shellfish Immunology*, **2011**, 31, 938-43	4.3	19
56	Identification and characterization of Ixodes scapularis antigens that elicit tick immunity using yeast surface display. *PLoS ONE*, **2011**, 6, e15926	3.7	59
55	Effects of microplusin, a copper-chelating antimicrobial peptide, against Cryptococcus neoformans. *FEMS Microbiology Letters*, **2011**, 324, 64-72	2.9	20
54	ABC transporter efflux pumps: a defense mechanism against ivermectin in Rhipicephalus (Boophilus) microplus. *International Journal for Parasitology*, **2011**, 41, 1323-33	4.3	65
53	Effects of the antimicrobial peptide gomesin on the global gene expression profile, virulence and biofilm formation of Xylella fastidiosa. *FEMS Microbiology Letters*, **2010**, 306, 152-9	2.9	18
52	Induction of a gloverin-like antimicrobial polypeptide in the sugarcane borer Diatraea saccharalis challenged by septic injury. *Brazilian Journal of Medical and Biological Research*, **2010**, 43, 431-6	2.8	13
51	Characterization of proteinases from the midgut of Rhipicephalus (Boophilus) microplus involved in the generation of antimicrobial peptides. *Parasites and Vectors*, **2010**, 3, 63	4	31
50	Differential expression of genes in salivary glands of male Rhipicephalus (Boophilus)microplus in response to infection with Anaplasma marginale. *BMC Genomics*, **2010**, 11, 186	4.5	49
49	Peptide gomesin triggers cell death through L-type channel calcium influx, MAPK/ERK, PKC and PI3K signaling and generation of reactive oxygen species. *Chemico-Biological Interactions*, **2010**, 186, 135-43	5	42
48	Functional genomics and evolution of tick-Anaplasma interactions and vaccine development. *Veterinary Parasitology*, **2010**, 167, 175-86	2.8	40
47	Structure and mode of action of microplusin, a copper II-chelating antimicrobial peptide from the cattle tick Rhipicephalus (Boophilus) microplus. *Journal of Biological Chemistry*, **2009**, 284, 34735-46	5.4	63
46	(1)H, (15)N and (13)C assignments of the Rhipicephalus (Boophilus) microplus anti-microbial peptide microplusin. *Biomolecular NMR Assignments*, **2009**, 3, 187-9	0.7	2
45	Propagation of a Brazilian isolate of Anaplasma marginale with appendage in a tick cell line (BME26) derived from Rhipicephalus (Boophilus) microplus. *Veterinary Parasitology*, **2009**, 161, 150-3	2.8	15

44	Differential effects of alpha-helical and beta-hairpin antimicrobial peptides against Acanthamoeba castellanii. *Parasitology*, **2009**, 136, 813-21	2.7	12
43	Antimicrobial activity in the tick Rhipicephalus (Boophilus) microplus eggs: Cellular localization and temporal expression of microplusin during oogenesis and embryogenesis. *Developmental and Comparative Immunology*, **2009**, 33, 913-9	3.2	34
42	Exogenous insulin stimulates glycogen accumulation in Rhipicephalus (Boophilus) microplus embryo cell line BME26 via PI3K/AKT pathway. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2009**, 153, 185-90	2.3	16
41	Interaction of membrane mimetic vesicles with the antimicrobial peptide gomesin and its analogues. *Advances in Experimental Medicine and Biology*, **2009**, 611, 549-50	3.6	1
40	Effective topical treatment of subcutaneous murine B16F10-Nex2 melanoma by the antimicrobial peptide gomesin. *Neoplasia*, **2008**, 10, 61-8	6.4	70
39	Cellular and molecular characterization of an embryonic cell line (BME26) from the tick Rhipicephalus (Boophilus) microplus. *Insect Biochemistry and Molecular Biology*, **2008**, 38, 568-80	4.5	46
38	BYC, an atypical aspartic endopeptidase from Rhipicephalus (Boophilus) microplus eggs. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2008**, 149, 599-607	2.3	17
37	The role of hemocytes in the immunity of the spider Acanthoscurria gomesiana. *Developmental and Comparative Immunology*, **2008**, 32, 716-25	3.2	30
36	Bioactive Natural Peptides. *Studies in Natural Products Chemistry*, **2008**, 35, 597-691	1.5	14
35	Biological and structural characterization of new linear gomesin analogues with improved therapeutic indices. *Biopolymers*, **2007**, 88, 386-400	2.2	52
34	Truncation of amidated fragment 33-61 of bovine alpha-hemoglobin: effects on the structure and anticandidal activity. *Biopolymers*, **2007**, 88, 413-26	2.2	22
33	Gomesin, a peptide produced by the spider Acanthoscurria gomesiana, is a potent anticryptococcal agent that acts in synergism with fluconazole. *FEMS Microbiology Letters*, **2007**, 274, 279-86	2.9	34
32	Effect of the antimicrobial peptide gomesin against different life stages of Plasmodium spp. *Experimental Parasitology*, **2007**, 116, 346-53	2.1	50
31	Conformational and functional studies of gomesin analogues by CD, EPR and fluorescence spectroscopies. *Biochimica Et Biophysica Acta - Biomembranes*, **2007**, 1768, 52-8	3.8	28
30	Structural and biological characterization of one antibacterial acylpolyamine isolated from the hemocytes of the spider Acanthocurria gomesiana. *Biochemical and Biophysical Research Communications*, **2007**, 352, 953-9	3.4	22
29	Structure-activity relationship studies of gomesin: importance of the disulfide bridges for conformation, bioactivities, and serum stability. *Biopolymers*, **2006**, 84, 205-18	2.2	79
28	Discovery of immune-related genes expressed in hemocytes of the tarantula spider Acanthoscurria gomesiana. *Developmental and Comparative Immunology*, **2006**, 30, 545-56	3.2	21
27	Ixodidin, a novel antimicrobial peptide from the hemocytes of the cattle tick Boophilus microplus with inhibitory activity against serine proteinases. *Peptides*, **2006**, 27, 667-74	3.8	84

26	Isolation and biochemical characterization of peptides presenting antimicrobial activity from the skin of Phyllomedusa hypochondrialis. *Peptides*, **2006**, 27, 3092-9	3.8	41
25	Biological and Structural Characterization of a New Linear Gomesin Analog **2006**, 273-274		
24	The C-Terminal Fragment of Acanthoscurrin is a Difficult Sequence **2006**, 86-87		2
23	Purification and partial characterization of the plasma clotting protein from the pink shrimp Farfantepenaeus paulensis. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2005**, 142, 302-7	2.3	23
22	The micelle-bound structure of an antimicrobial peptide derived from the alpha-chain of bovine hemoglobin isolated from the tick Boophilus microplus. *Biochemistry*, **2005**, 44, 6440-51	3.2	34
21	Gene discovery in Boophilus microplus, the cattle tick: the transcriptomes of ovaries, salivary glands, and hemocytes. *Annals of the New York Academy of Sciences*, **2004**, 1026, 242-6	6.5	45
20	Cysteine-rich antimicrobial peptides of the cattle tick Boophilus microplus: isolation, structural characterization and tissue expression profile. *Developmental and Comparative Immunology*, **2004**, 28, 191-200	3.2	95
19	Acanthoscurrin: a novel glycine-rich antimicrobial peptide constitutively expressed in the hemocytes of the spider Acanthoscurria gomesiana. *Developmental and Comparative Immunology*, **2003**, 27, 781-91	3.2	78
18	Molecular cloning, expression analysis and cellular localization of gomesin, an anti-microbial peptide from hemocytes of the spider Acanthoscurria gomesiana. *Insect Biochemistry and Molecular Biology*, **2003**, 33, 1011-6	4.5	18
17	The solution structure of gomesin, an antimicrobial cysteine-rich peptide from the spider. *FEBS Journal*, **2002**, 269, 1190-8		86
16	Characterization and partial purification of a lectin from the hemolymph of the white shrimp Litopenaeus schmitti. *Developmental and Comparative Immunology*, **2002**, 26, 715-21	3.2	40
15	Production of reactive oxygen species by hemocytes from the cattle tick Boophilus microplus. *Experimental Parasitology*, **2001**, 99, 66-72	2.1	61
14	HeLp, a heme lipoprotein from the hemolymph of the cattle tick, Boophilus microplus. *Journal of Biological Chemistry*, **2000**, 275, 36584-9	5.4	75
13	Isolation and characterization of gomesin, an 18-residue cysteine-rich defense peptide from the spider Acanthoscurria gomesiana hemocytes with sequence similarities to horseshoe crab antimicrobial peptides of the tachyplesin family. *Journal of Biological Chemistry*, **2000**, 275, 33464-70	5.4	173
12	Antimicrobial activity of a bovine hemoglobin fragment in the tick Boophilus microplus. *Journal of Biological Chemistry*, **1999**, 274, 25330-4	5.4	138
11	A lysozyme in the salivary glands of the malaria vector Anopheles darlingi. *Insect Molecular Biology*, **1998**, 7, 257-64	3.4	47
10	Lipopolysaccharide interaction with hemolin, an insect member of the Ig-superfamily. *FEBS Letters*, **1997**, 408, 127-30	3.8	49
9	The lysozyme locus in Drosophila melanogaster: an expanded gene family adapted for expression in the digestive tract. *Molecular Genetics and Genomics*, **1994**, 242, 152-62		145

8	Cathepsin B and acid phosphatase activities during Musca domestica embryogenesis. *Insect Biochemistry and Molecular Biology*, **1993**, 23, 217-223	4.5	34
7	The lysozyme locus in Drosophila melanogaster: different genes are expressed in midgut and salivary glands. *Molecular Genetics and Genomics*, **1992**, 232, 335-43		71
6	Nonvitellogenic female protein in Musca domestica. *Archives of Insect Biochemistry and Physiology*, **1989**, 11, 245-255	2.3	3
5	Time of synthesis of Musca domestica vitellogenin during the first gonotrophic cycle. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1987**, 86, 697-700		
4	Vitellogenin and vitellin of Musca domestica Quantification and synthesis by fat bodies and ovaries. *Insect Biochemistry*, **1985**, 15, 77-84		39
3	Comparative structural studies of vitellogenin and vitellin of Rhynchosciara americana. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1985**, 80, 895-900		1
2	Ecdysteroid titers and changes in chromosomal activity in the salivary glands of Rhynchosciara americana. *Chromosoma*, **1984**, 90, 26-38	2.8	16
1	Vitellogenin and vitellin of Rhynchosciara americana: Further characterization and time of synthesis. *Insect Biochemistry*, **1983**, 13, 323-332		16