

# jean-luc Gatti

## List of Publications by Year in descending order

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81  
papers

3,797  
citations

101543

36  
h-index

133252

59  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trout sperm motility. The transient movement of trout sperm is related to changes in the concentration of ATP following the activation of the flagellar movement. <i>FEBS Journal</i> , 1987, 166, 667-671.	0.2	198
2	Contribution of epididymal secretory proteins for spermatozoa maturation. <i>Microscopy Research and Technique</i> , 2003, 61, 7-17.	2.2	178
3	Identification, Proteomic Profiling, and Origin of Ram Epididymal Fluid Exosome-Like Vesicles1. <i>Biology of Reproduction</i> , 2005, 72, 1452-1465.	2.7	165
4	Post-testicular sperm environment and fertility. <i>Animal Reproduction Science</i> , 2004, 82-83, 321-339.	1.5	157
5	Characterization and Identification of Proteins Secreted in the Various Regions of the Adult Boar Epididymis1. <i>Biology of Reproduction</i> , 1996, 55, 956-974.	2.7	155
6	Role of the ionic environment and internal pH on sperm activity. <i>Human Reproduction</i> , 1998, 13, 20-30.	0.9	131
7	Epididymal cell secretory activities and the role of proteins in boar sperm maturation. <i>Theriogenology</i> , 2005, 63, 319-341.	2.1	126
8	Identification of luminal and secreted proteins in bull epididymis. <i>Journal of Proteomics</i> , 2011, 74, 59-78.	2.4	110
9	Extensive inter- and intraspecific venom variation in closely related parasites targeting the same host: The case of <i>Leptopilina</i> parasitoids of <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 601-611.	2.7	100
10	Mammalian epididymal proteome. <i>Molecular and Cellular Endocrinology</i> , 2009, 306, 45-50.	3.2	98
11	Insights into function and evolution of parasitoid wasp venoms. <i>Current Opinion in Insect Science</i> , 2014, 6, 52-60.	4.4	96
12	The contribution of proteomics to understanding epididymal maturation of mammalian spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 197-210.	2.1	86
13	Effects of extracellular environment on the osmotic signal transduction involved in activation of motility of carp spermatozoa. <i>Reproduction</i> , 1997, 110, 315-327.	2.6	85
14	Purification and identification of sperm surface proteins and changes during epididymal maturation. <i>Proteomics</i> , 2011, 11, 1952-1964.	2.2	82
15	Comparison, Characterization, and Identification of Proteases and Protease Inhibitors in Epididymal Fluids of Domestic Mammals. Matrix Metalloproteinases Are Major Fluid Gelatinases1. <i>Biology of Reproduction</i> , 2002, 66, 1219-1229.	2.7	80
16	The Cellular Immune Response of the Pea Aphid to Foreign Intrusion and Symbiotic Challenge. <i>PLoS ONE</i> , 2012, 7, e42114.	2.5	78
17	Ionic regulation of the plasma membrane potential of rainbow trout ( <i>Salmo gairdneri</i> ) spermatozoa: Role in the initiation of sperm motility. <i>Journal of Cellular Physiology</i> , 1990, 143, 546-554.	4.1	77
18	Rapid and quantitative assessment of trout spermatozoa motility using stroboscopy. <i>Aquaculture</i> , 1985, 46, 71-75.	3.5	74

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19	The Epididymal Transcriptome and Proteome Provide Some Insights Into New Epididymal Regulations. <i>Journal of Andrology</i> , 2011, 32, 651-664.	2.0	74
20	Extracellular Superoxide Dismutase in Insects. <i>Journal of Biological Chemistry</i> , 2011, 286, 40110-40121.	3.4	73
21	Identification of the main venom protein components of <i>Aphidius ervi</i> , a parasitoid wasp of the aphid model <i>Acyrtosiphon pisum</i> . <i>BMC Genomics</i> , 2014, 15, 342.	2.8	72
22	Venom gland extract is not required for successful parasitism in the polydnavirus-associated endoparasitoid <i>Hyposoter didymator</i> (Hym. Ichneumonidae) despite the presence of numerous novel and conserved venom proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 292-307.	2.7	70
23	Ram seminal plasma proteome and its impact on liquid preservation of spermatozoa. <i>Journal of Proteomics</i> , 2014, 109, 245-260.	2.4	70
24	The motile beta/IC1 subunit of sea urchin sperm outer arm dynein does not form a rigor bond.. <i>Journal of Cell Biology</i> , 1992, 118, 1177-1188.	5.2	65
25	Compartmentalization of Prion Isoforms Within the Reproductive Tract of the Ram1. <i>Biology of Reproduction</i> , 2004, 71, 993-1001.	2.7	65
26	External ionic conditions, internal pH and motility of ram and boar spermatozoa. <i>Reproduction</i> , 1993, 98, 439-449.	2.6	60
27	A 105- to 94-Kilodalton Protein in the Epididymal Fluids of Domestic Mammals Is Angiotensin I-Converting Enzyme (ACE); Evidence That Sperm Are the Source of This ACE1. <i>Biology of Reproduction</i> , 1999, 60, 937-945.	2.7	60
28	Variability of venom components in immune suppressive parasitoid wasps: From a phylogenetic to a population approach. <i>Journal of Insect Physiology</i> , 2013, 59, 205-212.	2.0	59
29	In vivo imaging of in situ motility of fresh and liquid stored ram spermatozoa in the ewe genital tract. <i>Reproduction</i> , 2009, 138, 45-53.	2.6	55
30	<i>Drosophila</i> Cellular Immunity Against Parasitoid Wasps: A Complex and Time-Dependent Process. <i>Frontiers in Physiology</i> , 2019, 10, 603.	2.8	54
31	The adult boar testicular and epididymal transcriptomes. <i>BMC Genomics</i> , 2009, 10, 369.	2.8	52
32	Prion Protein Is Secreted in Soluble Forms in the Epididymal Fluid and Proteolytically Processed and Transported in Seminal Plasma1. <i>Biology of Reproduction</i> , 2002, 67, 393-400.	2.7	50
33	The Origin of Intraspecific Variation of Virulence in an Eukaryotic Immune Suppressive Parasite. <i>PLoS Pathogens</i> , 2010, 6, e1001206.	4.7	49
34	Development of RNAi in a <i>Drosophila</i> endoparasitoid wasp and demonstration of its efficiency in impairing venom protein production. <i>Journal of Insect Physiology</i> , 2014, 63, 56-61.	2.0	44
35	Outer-arm dynein from trout spermatozoa: Substructural organization. <i>Cytoskeleton</i> , 1990, 16, 266-278.	4.4	42
36	Regulators of sperm function. <i>Molecular Human Reproduction</i> , 1996, 2, 219-224.	2.8	40

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37	Hypotonic resistance of boar spermatozoa: sperm subpopulations and relationship with epididymal maturation and fertility. <i>Reproduction</i> , 2009, 137, 205-213.	2.6	37
38	Germinal Angiotensin I-Converting Enzyme Is Totally Shed from the Rodent Sperm Membrane During Epididymal Maturation1. <i>Biology of Reproduction</i> , 2002, 67, 1763-1767.	2.7	36
39	Venom Atypical Extracellular Vesicles as Interspecies Vehicles of Virulence Factors Involved in Host Specificity: The Case of a <i>Drosophila</i> Parasitoid Wasp. <i>Frontiers in Immunology</i> , 2019, 10, 1688.	4.8	33
40	The epididymal soluble prion protein forms a high-molecular-mass complex in association with hydrophobic proteins. <i>Biochemical Journal</i> , 2005, 392, 211-219.	3.7	32
41	Shedding of the Germinal Angiotensin I-Converting Enzyme (gACE) Involves a Serine Protease and Is Activated by Epididymal Fluid1. <i>Biology of Reproduction</i> , 2005, 73, 881-890.	2.7	31
42	Comparative venomics of <i>Psytalia lounsburyi</i> and <i>P. concolor</i> , two olive fruit fly parasitoids: a hypothetical role for a GH1 $\beta$ -glucosidase. <i>Scientific Reports</i> , 2016, 6, 35873.	3.3	31
43	HE1/NPC2 status in human reproductive tract and ejaculated spermatozoa: consequence of vasectomy. <i>Molecular Human Reproduction</i> , 2006, 12, 461-468.	2.8	30
44	The preferenceâ€“performance relationship as a means of classifying parasitoids according to their specialization degree. <i>Evolutionary Applications</i> , 2019, 12, 1626-1640.	3.1	29
45	Time-course analysis of <i>Drosophila suzukii</i> interaction with endoparasitoid wasps evidences a delayed encapsulation response compared to <i>D. melanogaster</i> . <i>PLoS ONE</i> , 2018, 13, e0201573.	2.5	25
46	Rapid and Differential Evolution of the Venom Composition of a Parasitoid Wasp Depending on the Host Strain. <i>Toxins</i> , 2019, 11, 629.	3.4	24
47	Biochemical Characterization of Two Ram Cauda Epididymal Maturation-Dependent Sperm Glycoproteins1. <i>Biology of Reproduction</i> , 2000, 62, 950-958.	2.7	23
48	Physiological and Enzymatic Properties of the Ram Epididymal Soluble Form of Germinal Angiotensin I-Converting Enzyme1. <i>Biology of Reproduction</i> , 2001, 65, 1332-1339.	2.7	21
49	Analysis of furin ectodomain shedding in epididymal fluid of mammals: demonstration that shedding of furin occurs in vivo. <i>Reproduction</i> , 2006, 132, 899-908.	2.6	20
50	An Epididymal Form of Cauxin, a Carboxylesterase-Like Enzyme, Is Present and Active in Mammalian Male Reproductive Fluids1. <i>Biology of Reproduction</i> , 2006, 74, 439-447.	2.7	20
51	Expression, immunolocalization and processing of fertilins ADAM-1 and ADAM-2 in the boar ( <i>sus</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc 2011, 9, 96.	3.3	19
52	Differential side-effects of <i>Bacillus thuringiensis</i> bioinsecticide on non-target <i>Drosophila</i> flies. <i>Scientific Reports</i> , 2020, 10, 16241.	3.3	19
53	Functional insights from the GC-poor genomes of two aphid parasitoids, <i>Aphidius ervi</i> and <i>Lysiphlebus fabarum</i> . <i>BMC Genomics</i> , 2020, 21, 376.	2.8	19
54	Diversity of Virus-Like Particles in Parasitoidsâ€™ Venom. , 2012, , 181-192.		17

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55	Field Monitoring of <i>Drosophila suzukii</i> and Associated Communities in South Eastern France as a Pre-Requisite for Classical Biological Control. <i>Insects</i> , 2017, 8, 124.	2.2	17
56	Variation in the Venom of Parasitic Wasps, Drift, or Selection? Insights From a Multivariate QST Analysis. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	15
57	Semen from scrapie-infected rams does not transmit prion infection to transgenic mice. <i>Reproduction</i> , 2008, 135, 415-418.	2.6	13
58	Statistical analysis of the individual variability of 1D protein profiles as a tool in ecology: an application to parasitoid venom. <i>Molecular Ecology Resources</i> , 2015, 15, 1120-1132.	4.8	13
59	Biochemical characterization and comparison of aspartylglucosaminidases secreted in venom of the parasitoid wasps <i>Asobara tabida</i> and <i>Leptopilina heterotoma</i> . <i>PLoS ONE</i> , 2017, 12, e0181940.	2.5	13
60	Transgenic Rabbits Expressing Ovine PrP Are Susceptible to Scrapie. <i>PLoS Pathogens</i> , 2015, 11, e1005077.	4.7	12
61	One- and two-dimensional SDS-PAGE zymography with quenched fluorogenic substrates provides identification of biological fluid proteases by direct mass spectrometry. <i>Analytical Biochemistry</i> , 2008, 375, 382-384.	2.4	11
62	<i>Bacillus thuringiensis</i> Bioinsecticides Induce Developmental Defects in Non-Target <i>Drosophila melanogaster</i> Larvae. <i>Insects</i> , 2020, 11, 697.	2.2	11
63	Parasitoid wasp venom vesicles (venosomes) enter <i>Drosophila melanogaster</i> lamellocytes through a flotillin/lipid raft-dependent endocytic pathway. <i>Virulence</i> , 2020, 11, 1512-1521.	4.4	11
64	A PCR-based method for estimating parasitism rates in the olive fly parasitoids <i>Psytalia concolor</i> and <i>P. lounsburyi</i> (Hymenoptera: Braconidae). <i>Biological Control</i> , 2013, 67, 44-50.	3.0	10
65	Hosting certain facultative symbionts modulates the phenoloxidase activity and immune response of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2021, 28, 1780-1799.	3.0	9
66	[18] Purification and characterization of <i>Salmo gairdneri</i> outer arm dynein. <i>Methods in Enzymology</i> , 1991, 196, 201-222.	1.0	8
67	The Venom of the Ectoparasitoid Wasp <i>Pachycrepoideus vindemiae</i> (Hymenoptera: Pteromalidae) Induces Apoptosis of <i>Drosophila melanogaster</i> Hemocytes. <i>Insects</i> , 2020, 11, 363.	2.2	7
68	Impact of Temperature on the Immune Interaction between a Parasitoid Wasp and <i>Drosophila</i> Host Species. <i>Insects</i> , 2021, 12, 647.	2.2	7
69	Aphid infestation differently affects the defences of nitrate-fed and nitrogen-fixing <i>Medicago truncatula</i> and alters symbiotic nitrogen fixation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201493.	2.6	5
70	Proteo-Transcriptomic Analyses Reveal a Large Expansion of Metalloprotease-Like Proteins in Atypical Venom Vesicles of the Wasp <i>Meteorus pulchricornis</i> (Braconidae). <i>Toxins</i> , 2021, 13, 502.	3.4	5
71	An increased risk of parasitism mediated by the facultative symbiont <i>Regiella insecticola</i> . <i>Journal of Pest Science</i> , 2020, 93, 737-745.	3.7	4
72	Chapter 9 Isolation of Fish Sperm Flagella. <i>Methods in Cell Biology</i> , 1995, 47, 47-53.	1.1	3

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73	Immunological cross-reaction between sperm dynein heavy chains from different species. <i>Reproduction, Nutrition, Development</i> , 1996, 36, 213-220.	1.9	3
74	Proteomics of purified lamellocytes from <i>Drosophila melanogaster</i> HopT identifies new membrane proteins and networks involved in their functions. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 134, 103584.	2.7	3
75	Characterisation of boar sperm dynein heavy chains by UV vanadate dependent photocleavage. <i>Biology of the Cell</i> , 1994, 82, 203-210.	2.0	2
76	Expression of Genes Coding for a Complete BMP Signalling System in the Reproductive Tract of Ram.. <i>Biology of Reproduction</i> , 2008, 78, 296-296.	2.7	1
77	Mass Spectrometry Analysis of Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Outer Arm Dynein (OAD) Components. Expression and Localization of their mRNA During the Spermatogenesis Stages.. <i>Biology of Reproduction</i> , 2008, 78, 145-145.	2.7	1
78	Parasitic success and venom composition evolve upon specialization of parasitoid wasps to different host species. , 0, 1, .		1
79	Amount of venom that <i>Leptopilina</i> species inject into <i>Drosophila melanogaster</i> larvae in relation to parasitic success. <i>Journal of Insect Physiology</i> , 2021, 135, 104320.	2.0	0
80	The Adult Boar Testicular and Epididymal Transcriptome.. <i>Biology of Reproduction</i> , 2008, 78, 175-176.	2.7	0
81	Motility Update. , 1999, , 3-24.		0