

Laura Cecilia Giojalas

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,172
citations

331670

21
h-index

223800

46
g-index

53
all docs

53
docs citations

53
times ranked

1712
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm guidance in mammals "an unpaved road to the egg. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 276-285.	37.0	428
2	Thermotaxis of mammalian sperm cells: A potential navigation mechanism in the female genital tract. <i>Nature Medicine</i> , 2003, 9, 149-150.	30.7	213
3	Progesterone at the picomolar range is a chemoattractant for mammalian spermatozoa. <i>Fertility and Sterility</i> , 2006, 86, 745-749.	1.0	168
4	Molecular Mechanism for Human Sperm Chemotaxis Mediated by Progesterone. <i>PLoS ONE</i> , 2009, 4, e8211.	2.5	131
5	Human sperm chemotaxis: both the oocyte and its surrounding cumulus cells secrete sperm chemoattractants. <i>Human Reproduction</i> , 2005, 20, 761-767.	0.9	126
6	Progesterone from the Cumulus Cells Is the Sperm Chemoattractant Secreted by the Rabbit Oocyte Cumulus Complex. <i>PLoS ONE</i> , 2008, 3, e3040.	2.5	111
7	Ca ²⁺ signalling in the control of motility and guidance in mammalian sperm. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5623.	3.0	108
8	Chemotaxis of Capacitated Rabbit Spermatozoa to Follicular Fluid Revealed by a Novel Directionality-Based Assay1. <i>Biology of Reproduction</i> , 2002, 67, 1565-1571.	2.7	97
9	CRISP1 as a novel CatSper regulator that modulates sperm motility and orientation during fertilization. <i>Journal of Cell Biology</i> , 2015, 210, 1213-1224.	5.2	76
10	SPERM COMPETITION AND REPRODUCTIVE MODE INFLUENCE SPERM DIMENSIONS AND STRUCTURE AMONG SNAKES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2513-2524.	2.3	46
11	Picomolar gradients of progesterone select functional human sperm even in subfertile samples. <i>Molecular Human Reproduction</i> , 2013, 19, 559-569.	2.8	46
12	Lack of species-specificity in mammalian sperm chemotaxis. <i>Developmental Biology</i> , 2003, 255, 423-427.	2.0	40
13	Timing of sperm capacitation appears to be programmed according to egg availability in the female genital tract. <i>Fertility and Sterility</i> , 2004, 82, 247-249.	1.0	38
14	An intact acrosome is required for the chemotactic response to progesterone in mouse spermatozoa. <i>Molecular Reproduction and Development</i> , 2017, 84, 310-315.	2.0	33
15	Human sperm pattern of movement during chemotactic re-orientation towards a progesterone source. <i>Asian Journal of Andrology</i> , 2011, 13, 769-773.	1.6	33
16	Extracellular vesicles from oviductal isthmus and ampulla stimulate the induced acrosome reaction and signaling events associated with capacitation in bovine spermatozoa. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 2877-2888.	2.6	31
17	Variability in sperm form and function in the context of sperm competition risk in two Tupinambis lizards. <i>Ecology and Evolution</i> , 2014, 4, 4080-4092.	1.9	29
18	Semi-automatized segmentation method using image-based flow cytometry to study sperm physiology: the case of capacitation-induced tyrosine phosphorylation. <i>Molecular Human Reproduction</i> , 2018, 24, 64-73.	2.8	29

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19	Sperm Sexing Mediated by Magnetic Nanoparticles in Donkeys, a Preliminary In Vitro Study. <i>Journal of Equine Veterinary Science</i> , 2018, 65, 123-127.	0.9	26
20	Sperm motility parameters to evaluate the seminal quality of <i>Boa constrictor occidentalis</i> , a threatened snake species. <i>Research in Veterinary Science</i> , 2007, 82, 93-98.	1.9	24
21	Human sperm chemotaxis depends on critical levels of reactive oxygen species. <i>Fertility and Sterility</i> , 2010, 93, 150-153.	1.0	22
22	Effects of the Synthetic Estrogen 17 β -Ethinylestradiol on Aromatase Expression, Reproductive Behavior and Sperm Quality in the Fish <i>Jenynsia multidentata</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 579-584.	2.7	22
23	Versatile Action of Picomolar Gradients of Progesterone on Different Sperm Subpopulations. <i>PLoS ONE</i> , 2014, 9, e91181.	2.5	22
24	The ultrastructure of the spermatozoa of <i>Boa constrictor occidentalis</i> , with considerations on its mating system and sperm competition theories. <i>Acta Zoologica</i> , 2006, 87, 25-32.	0.8	21
25	Sperm Parameters Associated with Reproductive Ecology in Two Snake Species. <i>Herpetologica</i> , 2011, 67, 58-70.	0.4	21
26	Impairments in aromatase expression, reproductive behavior, and sperm quality of male fish exposed to 17 β -estradiol. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 935-940.	4.3	20
27	Sperm ultrastructure of <i>Bothrops alternatus</i> and <i>Bothrops diporus</i> (Viperidae, Serpentes), and its possible relation to the reproductive features of the species. <i>Zoomorphology</i> , 2008, 127, 241-248.	0.8	18
28	Sperm Membrane Functionality in the Dog Assessed by Flow Cytometry. <i>Reproduction in Domestic Animals</i> , 2012, 47, 39-43.	1.4	18
29	Sperm chemorepulsion, a supplementary mechanism to regulate fertilization. <i>Human Reproduction</i> , 2017, 32, 1560-1573.	0.9	18
30	Chemotactic response of frozen-thawed bovine spermatozoa towards follicular fluid. <i>Animal Reproduction Science</i> , 2008, 108, 236-246.	1.5	17
31	Progesterone sperm chemoattraction may be modulated by its corticosteroid-binding globulin carrier protein. <i>Fertility and Sterility</i> , 2010, 93, 2450-2452.	1.0	16
32	Improved bovine in vitro embryo production with sexed and unsexed sperm selected by chemotaxis. <i>Theriogenology</i> , 2018, 122, 1-8.	2.1	15
33	Changes in male <i>Triatoma infestans</i> reproductive efficiency caused by a suboptimal temperature. <i>Journal of Insect Physiology</i> , 1993, 39, 297-302.	2.0	12
34	Temperature effect upon blood consumption in <i>Triatoma infestans</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 1992, 87, 473-476.	1.6	12
35	Assessment of Sperm Function Parameters and DNA Fragmentation in Ejaculated Alpaca Sperm (<i>Lama</i>)	1.1	11
36	Getting to and away from the egg, an interplay between several sperm transport mechanisms and a complex oviduct physiology. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110954.	3.2	11

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37	Relationship between pre- and post-copulatory traits in <i>Salvator rufescens</i> (Squamata: Teiidae). <i>Biological Journal of the Linnean Society</i> , 2016, 119, 932-942.	1.6	9
38	Involvement of fibroblast growth factor 2 (FGF2) and its receptors in the regulation of mouse sperm physiology. <i>Reproduction</i> , 2018, 156, 163-172.	2.6	9
39	Continuous behavioural "switching"™ in human spermatozoa and its regulation by Ca ²⁺ -mobilising stimuli. <i>Molecular Human Reproduction</i> , 2019, 25, 423-432.	2.8	9
40	Determination of human sperm calcium uptake mediated by progesterone may be useful for evaluating unexplained sterility. <i>Fertility and Sterility</i> , 2004, 82, 738-740.	1.0	6
41	Hitting the wall: Human sperm velocity recovery under ultra-confined conditions. <i>Biomicrofluidics</i> , 2020, 14, 024108.	2.4	6
42	Correlation between response to progesterone and other functional parameters in human spermatozoa. <i>Fertility and Sterility</i> , 1998, 69, 107-111.	1.0	5
43	Type of Rectal Contents and Infectivity of Domiciliary Populations of <i>Triatoma infestans</i> (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Over	1.8	4
44	Comparative sperm ultrastructure of two tegu lizards (genus <i>Salvator</i>) and its relation to sperm competition. <i>Zoologischer Anzeiger</i> , 2017, 267, 63-68.	0.9	4
45	Sperm physiology varies according to ultradian and infradian rhythms. <i>Scientific Reports</i> , 2019, 9, 5988.	3.3	4
46	Chemotactic selection of frozen-thawed stallion sperm improves sperm quality and heterologous binding to oocytes. <i>Animal Reproduction Science</i> , 2020, 221, 106582.	1.5	4
47	Ultrastructural variations in the spermiogenesis of <i>Triatoma infestans</i> induced by temperature changes. <i>Journal of Morphology</i> , 1993, 216, 17-27.	1.2	2
48	Behavioural switching during oscillations of intracellular Ca ²⁺ concentration in free-swimming human sperm. <i>Reproduction and Fertility</i> , 2021, 2, L5-L7.	1.8	1
49	Understanding new molecular and cell biology findings based on progressive scientific practices and interconnected activities in undergraduate students. <i>Biochemistry and Molecular Biology Education</i> , 2021, 49, 198-209.	1.2	0
50	Infertility treatment, a matter of a lovely sperm?. <i>Asian Journal of Andrology</i> , 2013, 15, 719-720.	1.6	0
51	10.1063/1.5143194.1., 2020, , .		0
52	Spermatozoa characterization in the one-sided livebearing <i>Jenynsia multidentata</i> (Cyprinodontiformes: Anablepidae). <i>Revista De Biología Tropical</i> , 2014, 62, 997-1006.	0.4	0