

# Diego Bucci

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,151  
citations

361413

20  
h-index

434195

31  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1203  
citing authors

#	ARTICLE	IF	CITATIONS
1	GLUTs and Mammalian Sperm Metabolism. <i>Journal of Andrology</i> , 2011, 32, 348-355.	2.0	79
2	Freezing-thawing induces alterations in histone H1-DNA binding and the breaking of protein-DNA disulfide bonds in boar sperm. <i>Theriogenology</i> , 2011, 76, 1450-1464.	2.1	76
3	Resveratrol and Epigallocatechin-3-gallate addition to thawed boar sperm improves in vitro fertilization. <i>Theriogenology</i> , 2017, 90, 88-93.	2.1	53
4	Implementing an open-access CASA software for the assessment of stallion sperm motility: Relationship with other sperm quality parameters. <i>Animal Reproduction Science</i> , 2017, 176, 11-19.	1.5	50
5	Comparative Immunolocalization of GLUTs 1, 2, 3 and 5 in Boar, Stallion and Dog Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2010, 45, 315-322.	1.4	47
6	Effect of sex sorting on CTC staining, actin cytoskeleton and tyrosine phosphorylation in bull and boar spermatozoa. <i>Theriogenology</i> , 2012, 77, 1206-1216.	2.1	47
7	Combining reduced glutathione and ascorbic acid has supplementary beneficial effects on boar sperm cryotolerance. <i>Theriogenology</i> , 2015, 83, 399-407.	2.1	47
8	Effects of Roundup and its main component, glyphosate, upon mammalian sperm function and survival. <i>Scientific Reports</i> , 2020, 10, 11026.	3.3	46
9	Sperm function and mitochondrial activity: An insight on boar sperm metabolism. <i>Theriogenology</i> , 2020, 144, 82-88.	2.1	40
10	Combined effects of resveratrol and epigallocatechin-3-gallate on post thaw boar sperm and IVF parameters. <i>Theriogenology</i> , 2018, 117, 16-25.	2.1	37
11	Overstocking dairy cows during the dry period affects dehydroepiandrosterone and cortisol secretion. <i>Journal of Dairy Science</i> , 2017, 100, 620-628.	3.4	36
12	Vitrification of pig oocytes induces changes in histone H4 acetylation and histone H3 lysine 9 methylation (H3K9). <i>Veterinary Research Communications</i> , 2012, 36, 165-171.	1.6	34
13	Pig oocyte vitrification by cryotop method: Effects on viability, spindle and chromosome configuration and in vitro fertilization. <i>Animal Reproduction Science</i> , 2011, 127, 43-49.	1.5	31
14	Effects of Resveratrol on Vitrified Porcine Oocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-7.	4.0	31
15	Effect of liquid storage on sorted boar spermatozoa. <i>Theriogenology</i> , 2010, 74, 741-748.	2.1	29
16	Alkaline phosphatase in boar sperm function. <i>Andrology</i> , 2014, 2, 100-106.	3.5	27
17	Effects of antioxidants on boar spermatozoa during sorting and storage. <i>Animal Reproduction Science</i> , 2010, 122, 58-65.	1.5	26
18	Pig oocyte vitrification by Cryotop method and the activation of the apoptotic cascade. <i>Animal Reproduction Science</i> , 2012, 135, 68-74.	1.5	26

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19	Epigallocatechinâ€“gallate (<sc>EGCG</sc>) Reduces Rotenone Effect on Stallion Spermâ€“Zona Pellucida Heterologous Binding. <i>Reproduction in Domestic Animals</i> , 2015, 50, 1011-1016.	1.4	24
20	Biological effects of polyphenol-rich extract and fractions from an oenological oak-derived tannin on inâ€“vitro swine sperm capacitation and fertilizing ability. <i>Theriogenology</i> , 2018, 108, 284-290.	2.1	23
21	Seasonal changes in ROS concentrations and sperm quality in unfrozen and frozen-thawed stallion semen. <i>Theriogenology</i> , 2020, 144, 89-97.	2.1	21
22	Characterization of alkaline phosphatase activity in seminal plasma and in fresh and frozenâ€“thawed stallion spermatozoa. <i>Theriogenology</i> , 2016, 85, 288-295.e2.	2.1	18
23	Pig sperm preincubation and gamete coincubation with glutamate enhance sperm-oocyte binding and inâ€“vitro fertilization. <i>Theriogenology</i> , 2017, 95, 149-153.	2.1	18
24	Effect of sex sorting on stallion spermatozoa: Heterologous oocyte binding, tyrosine phosphorylation and acrosome reaction assay. <i>Animal Reproduction Science</i> , 2013, 141, 68-74.	1.5	17
25	Quality and Fertilizing Ability In Vivo of Sex-Sorted Stallion Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2010, 45, 331-335.	1.4	16
26	Daidzein does affect progesterone secretion by pig cumulus cells but it does not impair oocytes IVM. <i>Theriogenology</i> , 2010, 74, 451-457.	2.1	16
27	â€“In vitroâ€“capacitation and subsequent acrosome reaction are related to changes in the expression and location of midpiece actin and mitofusin-2 in boar spermatozoa. <i>Theriogenology</i> , 2012, 77, 979-988.	2.1	14
28	Glyphosate and its formulation Roundup impair pig oocyte maturation. <i>Scientific Reports</i> , 2020, 10, 12007.	3.3	14
29	Assessment of horsesâ€™ welfare: Behavioral, hormonal, and husbandry aspects. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2021, 41, 82-90.	1.2	14
30	Encapsulation of sex sorted boar semen: Sperm membrane status and oocyte penetration parameters. <i>Theriogenology</i> , 2013, 79, 575-581.	2.1	13
31	Is Resveratrol Effective in Protecting Stallion Cooled Semen?. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 1307-1312.	0.9	13
32	Storage of sexed boar spermatozoa: Limits and perspectives. <i>Theriogenology</i> , 2016, 85, 65-73.	2.1	12
33	Validation of an electrophoretic method to detect albuminuria in cats. <i>Journal of Feline Medicine and Surgery</i> , 2017, 19, 860-868.	1.6	11
34	Effects of single layer centrifugation with Androcoll-P on boar sperm. <i>Animal Reproduction Science</i> , 2013, 138, 276-281.	1.5	10
35	Expression of Î±-gustducin and Î±-transducin, G proteins coupled with taste receptors, in boar sperm. <i>Theriogenology</i> , 2014, 82, 144-151.e1.	2.1	10
36	Sperm Encapsulation from 1985 to Date: Technology Evolution and New Challenges in Swine Reproduction. <i>Reproduction in Domestic Animals</i> , 2015, 50, 98-102.	1.4	9

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37	Effect of cushioned or single layer semen centrifugation before sex sorting on frozen stallion semen quality. <i>Theriogenology</i> , 2015, 83, 953-958.	2.1	9
38	Long-term efficacy of imepitoin in the treatment of naive dogs affected by idiopathic epilepsy. <i>Veterinary Record</i> , 2017, 181, 144-144.	0.3	9
39	The role of endogenous antioxidants in male animal fertility. <i>Research in Veterinary Science</i> , 2021, 136, 495-502.	1.9	9
40	Epigallocatechin-3-gallate (<sc>EGCG</sc>) and green tea polyphenols do not improve stallion semen parameters during cooling at 4°C. <i>Reproduction in Domestic Animals</i> , 2017, 52, 270-277.	1.4	8
41	Role of exogenous antioxidants on the performance and function of pig sperm after preservation in liquid and frozen states: A systematic review. <i>Theriogenology</i> , 2021, 173, 279-294.	2.1	8
42	Detection and Localization of GLUTs 1, 2, 3 and 5 in Donkey Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009, 45, e217-20.	1.4	7
43	Boar sperm changes after sorting and encapsulation in barium alginate membranes. <i>Theriogenology</i> , 2013, 80, 526-532.	2.1	7
44	Sex-sorted canine sperm cryopreservation: Limits and procedural considerations. <i>Theriogenology</i> , 2015, 83, 1121-1127.	2.1	7
45	A polyphenol-rich extract from an oenological oak-derived tannin influences in vitro maturation of porcine oocytes. <i>Theriogenology</i> , 2019, 129, 82-89.	2.1	7
46	Epigallocatechin-3-gallate added after thawing to frozen dog semen: Effect on sperm parameters and ability to bind to oocytes' zona pellucida. <i>Reproductive Biology</i> , 2019, 19, 83-88.	1.9	7
47	Improvement of in vitro fertilization by a tannin rich vegetal extract addition to frozen thawed boar sperm. <i>Animal Reproduction</i> , 2020, 17, .	1.0	6
48	Beta-mercaptoethanol supplementation of in vitro maturation medium does not influence nuclear and cytoplasmic maturation of equine oocytes. <i>Reproduction in Domestic Animals</i> , 2016, 51, 992-996.	1.4	5
49	Alkaline phosphatase added to capacitating medium enhances horse sperm-zona pellucida binding. <i>Theriogenology</i> , 2017, 87, 72-78.	2.1	5
50	Different approaches for assessing sperm function. <i>Animal Reproduction</i> , 2019, 16, 72-80.	1.0	4
51	Use of specific mitochondrial complex inhibitors to investigate mitochondrial involvement on horse sperm motility and ROS production. <i>Research in Veterinary Science</i> , 2022, 147, 12-19.	1.9	4
52	Sex-sorting of boar spermatozoa does not influence the localization of glucose transporters. <i>Reproductive Biology</i> , 2013, 13, 341-343.	1.9	3
53	Changes in cortisol and glucose concentrations in rabbits transported to the slaughterhouse. <i>Livestock Science</i> , 2017, 204, 47-51.	1.6	3
54	Improvement of fertilization by a tannin rich vegetal extract addition to frozen thawed boar sperm. <i>Animal Reproduction</i> , 2020, 17, e20190130.	1.0	3

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55	Impact of glyphosate and its formulation Roundup® on stallion spermatozoa. Theriogenology, 2021, 179, 197-203.	2.1	3
56	Porcine circovirus type 2 detection in <i>in vitro</i> produced porcine blastocysts after virus sperm exposure. Animal Science Journal, 2016, 87, 511-516.	1.4	1
57	Different approaches for assessing sperm function. Animal Reproduction, 2020, 16, 72-80.	1.0	1
58	Immunodetection of hexose transporters in mammalian spermatozoa. Veterinary Research Communications, 2008, 32, 119-121.	1.6	0