

# Maximiliano Tourmente

## List of Publications by Year in descending order

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33  
papers

1,082  
citations

430754

18  
h-index

414303

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm competition and the evolution of sperm design in mammals. <i>BMC Evolutionary Biology</i> , 2011, 11, 12.	3.2	164
2	Differences in ATP Generation Via Glycolysis and Oxidative Phosphorylation and Relationships with Sperm Motility in Mouse Species. <i>Journal of Biological Chemistry</i> , 2015, 290, 20613-20626.	1.6	114
3	Sperm Competition, Sperm Numbers and Sperm Quality in Muroid Rodents. <i>PLoS ONE</i> , 2011, 6, e18173.	1.1	106
4	Sperm competition differentially affects swimming velocity and size of spermatozoa from closely related muroid rodents: head first. <i>Reproduction</i> , 2011, 142, 819-830.	1.1	70
5	POSTCOPULATORY SEXUAL SELECTION INCREASES ATP CONTENT IN RODENT SPERMATOZOA. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 1838-1846.	1.1	50
6	SPERM COMPETITION AND REPRODUCTIVE MODE INFLUENCE SPERM DIMENSIONS AND STRUCTURE AMONG SNAKES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2513-2524.	1.1	46
7	Evolution of Protamine Genes and Changes in Sperm Head Phenotype in Rodents1. <i>Biology of Reproduction</i> , 2014, 90, 67.	1.2	41
8	Why mammalian lineages respond differently to sexual selection: metabolic rate constrains the evolution of sperm size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3135-3141.	1.2	40
9	Mass-Specific Metabolic Rate and Sperm Competition Determine Sperm Size in Marsupial Mammals. <i>PLoS ONE</i> , 2011, 6, e21244.	1.1	36
10	Performance of Rodent Spermatozoa Over Time Is Enhanced by Increased ATP Concentrations: The Role of Sperm Competition1. <i>Biology of Reproduction</i> , 2015, 93, 64.	1.2	35
11	Postcopulatory Sexual Selection Results in Spermatozoa with More Uniform Head and Flagellum Sizes in Rodents. <i>PLoS ONE</i> , 2014, 9, e108148.	1.1	29
12	Sexual Selection of Protamine 1 in Mammals. <i>Molecular Biology and Evolution</i> , 2016, 33, 174-184.	3.5	28
13	Faster and more efficient swimming: energy consumption of murine spermatozoa under sperm competition. <i>Biology of Reproduction</i> , 2019, 100, 420-428.	1.2	27
14	Unraveling the Sperm Bauplan: Relationships Between Sperm Head Morphology and Sperm Function in Rodents. <i>Biology of Reproduction</i> , 2016, 95, 25-25.	1.2	26
15	Metabolic Rate Limits the Effect of Sperm Competition on Mammalian Spermatogenesis. <i>PLoS ONE</i> , 2013, 8, e76510.	1.1	26
16	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.	0.9	24
17	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.	0.6	21
18	Sperm Parameters Associated with Reproductive Ecology in Two Snake Species. <i>Herpetologica</i> , 2011, 67, 58-70.	0.2	21

#	ARTICLE	IF	CITATIONS
19	Selective constraints on protamine 2 in primates and rodents. <i>BMC Evolutionary Biology</i> , 2016, 16, 21.	3.2	20
20	Is the hook of muroid rodent's sperm related to sperm train formation?. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1168-1177.	0.8	20
21	Transgenerational effects on development following microplastic exposure in <i>Drosophila melanogaster</i> . <i>PeerJ</i> , 2021, 9, e11369.	0.9	20
22	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.	0.4	18
23	Mass-Specific Metabolic Rate Influences Sperm Performance through Energy Production in Mammals. <i>PLoS ONE</i> , 2015, 10, e0138185.	1.1	18
24	mtDNA polymorphism and metabolic inhibition affect sperm performance in conplastic mice. <i>Reproduction</i> , 2017, 154, 341-354.	1.1	17
25	Energy Metabolism and Hyperactivation of Spermatozoa from Three Mouse Species under Capacitating Conditions. <i>Cells</i> , 2022, 11, 220.	1.8	17
26	A cost for high levels of sperm competition in rodents: increased sperm DNA fragmentation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152708.	1.2	15
27	No evidence of tradeoffs in the evolution of sperm numbers and sperm size in mammals. <i>Journal of Evolutionary Biology</i> , 2015, 28, 1816-1827.	0.8	12
28	Structural evolution of CatSper1 in rodents is influenced by sperm competition, with effects on sperm swimming velocity. <i>BMC Evolutionary Biology</i> , 2014, 14, 106.	3.2	10
29	Is male reproductive senescence minimized in <i>Mus</i> species with high levels of sperm competition?. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 463-470.	0.7	3
30	Complex interactions between sperm viability and female fertility. <i>Scientific Reports</i> , 2019, 9, 15366.	1.6	3
31	Effect of Motility Factors D-Penicillamine, Hypotaurine and Epinephrine on the Performance of Spermatozoa from Five Hamster Species. <i>Biology</i> , 2022, 11, 526.	1.3	3
32	Sexual selection towards a protamine expression ratio optimum in two rodent groups?. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2124-2131.	1.1	2
33	Mass-specific metabolic rate influences sperm performance through energy production in mammals. <i>Reproduction Abstracts</i> , 0, , .	0.0	0