

# Marc Llavanera

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

103  
citations

6  
h-index

8  
g-index

24  
ext. papers

192  
ext. citations

5.4  
avg, IF

2.74  
L-index

#	Paper	IF	Citations
20	Aldose Reductase B1 in Pig Sperm Is Related to Their Function and Fertilizing Ability.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 773249	5.7	
19	Sperm DNA damage compromises embryo development, but not oocyte fertilisation in pigs.. <i>Biological Research</i> , <b>2022</b> , 55, 15	7.6	0
18	Sperm chromatin condensation as an in vivo fertility biomarker in bulls: a flow cytometry approach. <i>Journal of Animal Science and Biotechnology</i> , <b>2021</b> , 12, 115	6	1
17	Direct but Not Indirect Methods Correlate the Percentages of Sperm With Altered Chromatin to the Intensity of Chromatin Damage. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 719319	3.1	2
16	Aldose Reductase B1 in Pig Seminal Plasma: Identification, Localization in Reproductive Tissues, and Relationship With Quality and Sperm Preservation. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 683199	5.7	2
15	HVCN1 but Not Potassium Channels Are Related to Mammalian Sperm Cryotolerance. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
14	Deactivation of the JNK Pathway by GSTP1 Is Essential to Maintain Sperm Functionality. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 627140	5.7	1
13	Aquaporins Are Essential to Maintain Motility and Membrane Lipid Architecture During Mammalian Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 656438	5.7	2
12	The Presence of Seminal Plasma during Liquid Storage of Pig Spermatozoa at 17 °C Modulates Their Ability to Elicit In Vitro Capacitation and Trigger Acrosomal Exocytosis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
11	Glutathione S-Transferases Play a Crucial Role in Mitochondrial Function, Plasma Membrane Stability and Oxidative Regulation of Mammalian Sperm. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	9
10	HVCN1 Channels Are Relevant for the Maintenance of Sperm Motility During In Vitro Capacitation of Pig Spermatozoa. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
9	The triple role of glutathione S-transferases in mammalian male fertility. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 2331-2342	10.3	12
8	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. <i>Cells</i> , <b>2020</b> , 9,	7.9	2
7	Irradiating frozen-thawed stallion sperm with red-light increases their resilience to withstand post-thaw incubation at 38°C. <i>Theriogenology</i> , <b>2020</b> , 157, 85-95	2.8	4
6	Medium-term effects of the diluted pig semen irradiation with red LED light on the integrity of nucleoprotein structure and resilience to withstand thermal stress. <i>Theriogenology</i> , <b>2020</b> , 157, 388-398	2.8	2
5	Exploring Seminal Plasma GSTM3 as a Quality and In Vivo Fertility Biomarker in Pigs-Relationship with Sperm Morphology. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
4	GSTM3, but not IZUMO1, is a cryotolerance marker of boar sperm. <i>Journal of Animal Science and Biotechnology</i> , <b>2019</b> , 10, 61	6	13

3	Aquaglyceroporins but not orthodox aquaporins are involved in the cryotolerance of pig spermatozoa. <i>Journal of Animal Science and Biotechnology</i> , <b>2019</b> , 10, 77	6	13
2	Elucidating the Role of K Channels during In Vitro Capacitation of Boar Spermatozoa: Do SLO1 Channels Play a Crucial Role?. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
1	Effect of AQP Inhibition on Boar Sperm Cryotolerance Depends on the Intrinsic Freezability of the Ejaculate. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6