

# David Sanchez Peñaranda

## List of Publications by Year in descending order

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67  
papers

1,594  
citations

257450

24  
h-index

345221

36  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Fishmeal Replacement in Diets for Gilthead Sea Bream ( <i>Sparus aurata</i> ) on the Gastrointestinal Microbiota Determined by Pyrosequencing the 16S rRNA Gene. PLoS ONE, 2015, 10, e0136389.	2.5	153
2	Physio-Chemical Characteristics of Seminal Plasma and Development of Media and Methods for the Cryopreservation of European eel Sperm. Fish Physiology and Biochemistry, 2004, 30, 283-293.	2.3	59
3	Effects of hCG as spermiation inducer on European eel semen quality. Theriogenology, 2006, 66, 1012-1020.	2.1	58
4	Cryopreservation of European eel ( <i>Anguilla anguilla</i> ) spermatozoa: Effect of dilution ratio, foetal bovine serum supplementation, and cryoprotectants. Cryobiology, 2006, 53, 51-57.	0.7	55
5	Standardization of European eel ( <i>Anguilla anguilla</i> ) sperm motility evaluation by CASA software. Theriogenology, 2013, 79, 1034-1040.	2.1	54
6	Study of the effects of thermal regime and alternative hormonal treatments on the reproductive performance of European eel males ( <i>Anguilla anguilla</i> ) during induced sexual maturation. Aquaculture, 2012, 354-355, 7-16.	3.5	53
7	Influence of temperature regime on endocrine parameters and vitellogenesis during experimental maturation of European eel ( <i>Anguilla anguilla</i> ) females. General and Comparative Endocrinology, 2011, 174, 51-59.	1.8	52
8	European Eel Sperm Diluent for Short-term Storage. Reproduction in Domestic Animals, 2010, 45, 407-415.	1.4	51
9	Effect of different methods for the induction of spermiation on semen quality in European eel. Aquaculture Research, 2005, 36, 1480-1487.	1.8	48
10	Molecular and physiological study of the artificial maturation process in European eel males: From brain to testis. General and Comparative Endocrinology, 2010, 166, 160-171.	1.8	45
11	Effect of Sperm Cryopreservation on the European Eel Sperm Viability and Spermatozoa Morphology. Reproduction in Domestic Animals, 2007, 42, 162-166.	1.4	42
12	De novo European eel transcriptome provides insights into the evolutionary history of duplicated genes in teleost lineages. PLoS ONE, 2019, 14, e0218085.	2.5	41
13	The use of agricultural substrates to improve methane yield in anaerobic co-digestion with pig slurry: Effect of substrate type and inclusion level. Waste Management, 2014, 34, 196-203.	7.4	40
14	Improvement of European eel sperm cryopreservation method by preventing spermatozoa movement activation caused by cryoprotectants. Cryobiology, 2009, 59, 119-126.	0.7	36
15	Molecular characterization of three GnRH receptor paralogs in the European eel, <i>Anguilla anguilla</i> : Tissue-distribution and changes in transcript abundance during artificially induced sexual development. Molecular and Cellular Endocrinology, 2013, 369, 1-14.	3.2	35
16	Development of sperm vitrification protocols for freshwater fish (Eurasian perch, <i>Perca fluviatilis</i> ) and marine fish (European eel, <i>Anguilla anguilla</i> ). General and Comparative Endocrinology, 2017, 245, 102-107.	1.8	33
17	Temperature modulates the progression of vitellogenesis in the European eel. Aquaculture, 2014, 434, 38-47.	3.5	32
18	Using specific recombinant gonadotropins to induce spermatogenesis and spermiation in the European eel ( <i>Anguilla anguilla</i> ). Theriogenology, 2018, 107, 6-20.	2.1	31

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19	Morphometry characterisation of European eel spermatozoa with computer-assisted spermatozoa analysis and scanning electron microscopy. <i>Theriogenology</i> , 2006, 65, 1302-1310.	2.1	30
20	Subpopulation pattern of eel spermatozoa is affected by post-activation time, hormonal treatment and the thermal regimen. <i>Reproduction, Fertility and Development</i> , 2015, 27, 529.	0.4	30
21	Relationship between sperm quality parameters and the fatty acid composition of the muscle, liver and testis of European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2015, 181, 79-86.	1.8	30
22	Effect of the probiotic <i>Lactobacillus rhamnosus</i> on the expression of genes involved in European eel spermatogenesis. <i>Theriogenology</i> , 2015, 84, 1321-1331.	2.1	29
23	Evaluation of different diluents for short-term storage of European eel sperm under air-limited conditions. <i>Journal of Applied Ichthyology</i> , 2010, 26, 659-664.	0.7	25
24	Rabbit morula vitrification reduces early foetal growth and increases losses throughout gestation. <i>Cryobiology</i> , 2013, 67, 321-326.	0.7	25
25	Vitrification alters rabbit foetal placenta at transcriptomic and proteomic level. <i>Reproduction</i> , 2014, 147, 789-801.	2.6	25
26	Effects of pH, Sodium Bicarbonate, Cryoprotectants and Foetal Bovine Serum on the Cryopreservation of European Eel Sperm. <i>Reproduction in Domestic Animals</i> , 2008, 43, 99-105.	1.4	23
27	Effects of Slow Freezing Procedure on Late Blastocyst Gene Expression and Survival Rate in Rabbit1. <i>Biology of Reproduction</i> , 2012, 87, 91.	2.7	22
28	The Regulation of Aromatase and Androgen Receptor Expression During Gonad Development in Male and Female European Eel. <i>Reproduction in Domestic Animals</i> , 2014, 49, 512-521.	1.4	22
29	Effect of thermal regime on fatty acid dynamics in male European eels ( <i>Anguilla anguilla</i> ) during hormonally-induced spermatogenesis. <i>Aquaculture</i> , 2014, 430, 86-97.	3.5	22
30	Exploring correlations between sex steroids and fatty acids and their potential roles in the induced maturation of the male European eel. <i>Aquaculture</i> , 2015, 435, 328-335.	3.5	20
31	Role of calcium on the initiation of sperm motility in the European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 191, 98-106.	1.8	20
32	Nuclear and membrane progesterin receptors in the European eel: Characterization and expression in vivo through spermatogenesis. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 207, 79-92.	1.8	20
33	mRNA Expression in Rabbit Blastocyst and Endometrial Tissue of Candidate Gene Involved in Gestational Losses. <i>Reproduction in Domestic Animals</i> , 2012, 47, 281-287.	1.4	18
34	Temperature modulates testis steroidogenesis in European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 197, 58-67.	1.8	18
35	Effects of extenders and cryoprotectant combinations on motility and morphometry of sea bass ( <i>Dicentrarchus labrax</i> ) spermatozoa. <i>Journal of Applied Ichthyology</i> , 2008, 24, 450-455.	0.7	17
36	Intracellular changes in Ca <sup>2+</sup> , K <sup>+</sup> and pH after sperm motility activation in the European eel ( <i>Anguilla</i> )	3.5	17

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37	The expression of nuclear and membrane estrogen receptors in the European eel throughout spermatogenesis. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 203, 91-99.	1.8	17
38	Sodium affects the sperm motility in the European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 198, 51-58.	1.8	16
39	Long-term and transgenerational phenotypic, transcriptional and metabolic effects in rabbit males born following vitrified embryo transfer. <i>Scientific Reports</i> , 2020, 10, 11313.	3.3	16
40	Effect of Embryonic Genotype on Reference Gene Selection for RT-qPCR Normalization. <i>Reproduction in Domestic Animals</i> , 2012, 47, 629-634.	1.4	15
41	Differential mRNA Expression in Rabbit <i>In vivo</i> Pre-implantatory Embryos. <i>Reproduction in Domestic Animals</i> , 2011, 46, 567-572.	1.4	14
42	Comparison of two techniques for the morphometry study on gilthead seabream ( <i>Sparus aurata</i> ) spermatozoa and evaluation of changes induced by cryopreservation. <i>Theriogenology</i> , 2012, 77, 1078-1087.	2.1	14
43	Role of potassium and pH on the initiation of sperm motility in the European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 203, 210-219.	1.8	14
44	Impact of high dietary plant protein with or without marine ingredients in gut mucosa proteome of gilthead seabream ( <i>Sparus aurata</i> , L.). <i>Journal of Proteomics</i> , 2020, 216, 103672.	2.4	14
45	Long-Term Phenotypic and Proteomic Changes Following Vitrified Embryo Transfer in the Rabbit Model. <i>Animals</i> , 2020, 10, 1043.	2.3	11
46	Variations in the gene expression of zona pellucida proteins, zpb and zpc, in female European eel ( <i>Anguilla anguilla</i> ) during induced sexual maturation. <i>General and Comparative Endocrinology</i> , 2012, 178, 338-346.	1.8	10
47	Does vitrification alter the methylation pattern of OCT4 promoter in rabbit late blastocyst?. <i>Cryobiology</i> , 2014, 69, 178-180.	0.7	10
48	Cold seawater induces early sexual developmental stages in the BPG axis of European eel males. <i>BMC Genomics</i> , 2019, 20, 597.	2.8	10
49	Estimation of Phosphorus and Nitrogen Waste in Rainbow Trout ( <i>Oncorhynchus mykiss</i> , Walbaum,) Tj ETQq1 1 0.784314 rgBT /Over 2.3 10	2.3	10
50	Morphometric characterization of sharpshout sea bream ( <i>Diplodus puntazzo</i> ) and gilthead sea bream ( <i>Sparus aurata</i> ) spermatozoa using computer-assisted spermatozoa analysis (ASMA). <i>Journal of Applied Ichthyology</i> , 2008, 24, 382-385.	0.7	9
51	Parthenogenic blastocysts cultured under in vivo conditions exhibit proliferation and differentiation expression genes similar to those of normal embryos. <i>Animal Reproduction Science</i> , 2011, 127, 222-228.	1.5	9
52	Successful Inclusion of High Vegetable Protein Sources in Feed for Rainbow Trout without Decrement in Intestinal Health. <i>Animals</i> , 2021, 11, 3577.	2.3	9
53	Protein profile study in European eel ( <i>Anguilla anguilla</i> ) seminal plasma and its correlation with sperm quality. <i>Journal of Applied Ichthyology</i> , 2010, 26, 746-752.	0.7	8
54	Transcriptome Profiling of Rabbit Parthenogenetic Blastocysts Developed under In Vivo Conditions. <i>PLoS ONE</i> , 2012, 7, e51271.	2.5	8

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55	Testing cryopreserved European eel sperm for hybridization ( <i>A. japonica</i> – <i>A. anguilla</i> ). <i>Theriogenology</i> , 2018, 113, 153-158.	2.1	8
56	Variations in fatty acids composition in different tissues of the European eel ( <i>Anguilla anguilla</i> L.) males during induced sexual maturation. <i>Journal of Applied Ichthyology</i> , 2010, 26, 763-774.	0.7	7
57	Maternal Exposure to High Temperatures Disrupts OCT4 mRNA Expression of Rabbit Preimplantation Embryos and Endometrial Tissue. <i>Reproduction in Domestic Animals</i> , 2013, 48, 429-434.	1.4	7
58	Identification of the major proteins present in the seminal plasma of European eel, and how hormonal treatment affects their evolution. Correlation with sperm quality. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 201, 37-45.	1.8	5
59	Early Embryo Exposure to Assisted Reproductive Manipulation Induced Subtle Changes in Liver Epigenetics with No Apparent Negative Health Consequences in Rabbit. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9716.	4.1	5
60	Upregulation of Insulin-Like Growth Factor I and Uteroglobin in <i>In Vivo</i> -Developed Parthenogenetic Embryos. <i>Reproduction in Domestic Animals</i> , 2013, 48, 126-130.	1.4	3
61	Effect of Embryo Vitrification on the Steroid Biosynthesis of Liver Tissue in Rabbit Offspring. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8642.	4.1	3
62	Effect of Exposure to Heatwave During Blastocyst Formation on Reproductive Performance of Female Rabbits. <i>Reproduction in Domestic Animals</i> , 2014, 49, 629-635.	1.4	2
63	Transcript levels of the soluble sperm factor protein phospholipase C zeta 1 (PLCζ1) increase through induced spermatogenesis in European eel. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2015, 187, 168-176.	1.8	2
64	Feed restriction regime in a rabbit line selected for growth rate alters oocyte maturation manifested by alteration in <i>MSY2</i> gene expression. <i>Reproduction in Domestic Animals</i> , 2017, 52, 976-984.	1.4	2
65	Handling and Treatment of Male European Eels ( <i>Anguilla anguilla</i> ) for Hormonal Maturation and Sperm Cryopreservation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	2
66	The Importance Of The Embryo Vitrification Device On The Adult Phenotype And Lactation Performance Of The Resultant Females. <i>Cryobiology</i> , 2019, 91, 183.	0.7	0
67	Flipped classroom and ICTs as the tools to reach key competences. , 0, , .		0