

Riccardo Pierantoni

List of Publications by Year in descending order

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117
papers

3,578
citations

109137

35
h-index

182168

51
g-index

119
all docs

119
docs citations

119
times ranked

2333
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuro-toxic and Reproductive Effects of BPA. <i>Current Neuropharmacology</i> , 2019, 17, 1109-1132.	1.4	141
2	Bisphenol A in Reproduction: Epigenetic Effects. <i>Current Medicinal Chemistry</i> , 2018, 25, 748-770.	1.2	117
3	Pre-natal exposure of mice to bisphenol A elicits an endometriosis-like phenotype in female offspring. <i>General and Comparative Endocrinology</i> , 2010, 168, 318-325.	0.8	107
4	Impact of Dietary Fats on Brain Functions. <i>Current Neuropharmacology</i> , 2018, 16, 1059-1085.	1.4	95
5	Endocannabinoid System in Frog and Rodent Testis: Type-1 Cannabinoid Receptor and Fatty Acid Amide Hydrolase Activity in Male Germ Cells1. <i>Biology of Reproduction</i> , 2006, 75, 82-89.	1.2	94
6	Evolutionary Aspects of Cellular Communication in the Vertebrate Hypothalamo-Hypophysio-Gonadal Axis. <i>International Review of Cytology</i> , 2002, 218, 69-143e.	6.2	90
7	Cannabinoid Receptor 1 Influences Chromatin Remodeling in Mouse Spermatids by Affecting Content of Transition Protein 2 mRNA and Histone Displacement. <i>Endocrinology</i> , 2010, 151, 5017-5029.	1.4	85
8	A Gradient of 2-Arachidonoylglycerol Regulates Mouse Epididymal Sperm Cell Start-Up1. <i>Biology of Reproduction</i> , 2010, 82, 451-458.	1.2	77
9	Immunoreactive GnRH in Hypothalamic and Extrahypothalamic Areas. <i>International Review of Cytology</i> , 1991, 127, 1-55.	6.2	75
10	Endocannabinoid control of sperm motility: The role of epididymus. <i>General and Comparative Endocrinology</i> , 2007, 153, 320-322.	0.8	74
11	Global Gene Expression Profiling Of Human Pleural Mesotheliomas: Identification of Matrix Metalloproteinase 14 (MMP-14) as Potential Tumour Target. <i>PLoS ONE</i> , 2009, 4, e7016.	1.1	73
12	The role of endocannabinoids in gonadal function and fertility along the evolutionary axis. <i>Molecular and Cellular Endocrinology</i> , 2012, 355, 1-14.	1.6	71
13	Mitochondrial Reactive Oxygen Species (ROS) Production Alters Sperm Quality. <i>Antioxidants</i> , 2021, 10, 92.	2.2	70
14	Chronic exposure to low dose of bisphenol A impacts on the first round of spermatogenesis via SIRT1 modulation. <i>Scientific Reports</i> , 2018, 8, 2961.	1.6	61
15	<i>In Vivo</i> and <i>In Vitro</i> Stimulatory Effect of a Gonadotropin-Releasing Hormone Analog (HOE) Tj ETQq1 1,0,784314,rgBT /Ome	1.4	59
16	Expression of Type-1 Cannabinoid Receptor During Rat Postnatal Testicular Development: Possible Involvement in Adult Leydig Cell Differentiation1. <i>Biology of Reproduction</i> , 2008, 79, 758-765.	1.2	58
17	Intratesticular feedback mechanisms in the regulation of steroid profiles in the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1989, 75, 335-342.	0.8	53
18	17 β -estradiol effects on mast cell number and spermatogonial mitotic index in the testis of the frog, <i>Rana esculenta</i> . , 1997, 278, 93-100.		53

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19	Intra-Testicular Signals Regulate Germ Cell Progression and Production of Qualitatively Mature Spermatozoa in Vertebrates. <i>Frontiers in Endocrinology</i> , 2014, 5, 69.	1.5	51
20	c-fos Activity in <i>Rana esculenta</i> Testis: Seasonal and Estradiol-Induced Changes*. <i>Endocrinology</i> , 1999, 140, 3238-3244.	1.4	50
21	Molecular forms of immunoreactive gonadotropin-releasing hormone in hypothalamus and testis of the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1989, 75, 343-348.	0.8	49
22	Cytoplasmic and Nuclear Fos Protein Forms Regulate Resumption of Spermatogenesis in the Frog, <i>Rana esculenta</i> . <i>Endocrinology</i> , 2002, 143, 163-170.	1.4	47
23	The endocannabinoid system in vertebrate male reproduction: A comparative overview. <i>Molecular and Cellular Endocrinology</i> , 2008, 286, S24-S30.	1.6	47
24	Interplay between the Endocannabinoid System and GnRH-I in the Forebrain of the Anuran Amphibian <i>Rana esculenta</i> . <i>Endocrinology</i> , 2008, 149, 2149-2158.	1.4	47
25	Low 17beta-Estradiol Levels in Cnr1 Knock-Out Mice Affect Spermatid Chromatin Remodeling by Interfering with Chromatin Reorganization. <i>Biology of Reproduction</i> , 2013, 88, 152-152.	1.2	47
26	Kisspeptins, Estrogens and Male Fertility. <i>Current Medicinal Chemistry</i> , 2016, 23, 4070-4091.	1.2	47
27	The Epigenetics of the Endocannabinoid System. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1113.	1.8	46
28	A Gonadotropin-Releasing Hormone (GnRH) Antagonist Decreases Androgen Production and Spermatogonial Multiplication in Frog (<i>Rana esculenta</i>): Indirect Evidence for the Existence of GnRH or GnRH-Like Material Receptors in the Hypophysis and Testis*. <i>Endocrinology</i> , 1988, 122, 62-67.	1.4	43
29	Estrogens and Spermiogenesis: New Insights from Type 1 Cannabinoid Receptor Knockout Mice. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-12.	0.6	43
30	Endocannabinoids are Involved in Male Vertebrate Reproduction: Regulatory Mechanisms at Central and Gonadal Level. <i>Frontiers in Endocrinology</i> , 2014, 5, 54.	1.5	43
31	Seasonal plasma sex steroid levels in the female <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1984, 53, 126-134.	0.8	42
32	Localization of GnRH molecular forms in the brain, pituitary, and testis of the frog, <i>Rana esculenta</i> . <i>The Journal of Experimental Zoology</i> , 1996, 274, 33-40.	1.4	39
33	Characterization of gonadotropin-releasing hormone (GnRH) binding sites in the pituitary and testis of the frog, <i>Rana esculenta</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 923-932.	1.0	38
34	The Endocannabinoid System: An Ancient Signaling Involved in the Control of Male Fertility. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 112-124.	1.8	38
35	The contribution of lower vertebrate animal models in human reproduction research. <i>General and Comparative Endocrinology</i> , 2011, 171, 17-27.	0.8	37
36	Histone Post-Translational Modifications and CircRNAs in Mouse and Human Spermatozoa: Potential Epigenetic Marks to Assess Human Sperm Quality. <i>Journal of Clinical Medicine</i> , 2020, 9, 640.	1.0	37

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37	Type-1 cannabinoid receptor expression in the frog, <i>Rana esculenta</i> , tissues: A possible involvement in the regulation of testicular activity. <i>Molecular Reproduction and Development</i> , 2006, 73, 551-558.	1.0	36
38	Kisspeptin Receptor, GPR54, as a Candidate for the Regulation of Testicular Activity in the Frog <i>Rana esculenta</i> . <i>Biology of Reproduction</i> , 2013, 88, 73.	1.2	36
39	Expression Patterns of Circular RNAs in High Quality and Poor Quality Human Spermatozoa. <i>Frontiers in Endocrinology</i> , 2019, 10, 435.	1.5	36
40	Testicular Gonadotropin-releasing Hormone Activity, Progression of Spermatogenesis, and Sperm Transport in Vertebrates. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 279-291.	1.8	34
41	CircRNA Role and circRNA-Dependent Network (ceRNET) in Asthenozoospermia. <i>Frontiers in Endocrinology</i> , 2020, 11, 395.	1.5	33
42	Morphological and hormonal changes in the frog, <i>Rana esculenta</i> , testis after administration of ethane dimethane sulfonate. <i>General and Comparative Endocrinology</i> , 1990, 79, 335-345.	0.8	32
43	Two GnRHs fluctuate in correlation with androgen levels in the male frog <i>Rana esculenta</i> . <i>The Journal of Experimental Zoology</i> , 1993, 266, 277-283.	1.4	32
44	Kisspeptin drives germ cell progression in the anuran amphibian <i>Pelophylax esculentus</i> : A study carried out in ex vivo testes. <i>General and Comparative Endocrinology</i> , 2015, 211, 81-91.	0.8	32
45	Anandamide regulates the expression of GnRH1, GnRH2, and GnRH-Rs in frog testis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E475-E487.	1.8	31
46	CircNAPEPLD is expressed in human and murine spermatozoa and physically interacts with oocyte miRNAs. <i>RNA Biology</i> , 2019, 16, 1237-1248.	1.5	31
47	Molecular Chaperones, Cochaperones, and Ubiquitination/Deubiquitination System: Involvement in the Production of High Quality Spermatozoa. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	30
48	Chapter 14 CB1 Activity in Male Reproduction: Mammalian and Nonmammalian Animal Models. <i>Vitamins and Hormones</i> , 2009, 81, 367-387.	0.7	29
49	Cannabinoids and Reproduction: A Lasting and Intriguing History. <i>Pharmaceuticals</i> , 2010, 3, 3275-3323.	1.7	28
50	Nuclear size as estrogen-responsive chromatin quality parameter of mouse spermatozoa. <i>General and Comparative Endocrinology</i> , 2013, 193, 201-209.	0.8	27
51	Localization and characterization of gonadotropin-releasing hormones in the brain, gonads, and plasma of a dipnoi (lungfish, <i>Protopterus annectens</i>). <i>Regulatory Peptides</i> , 1995, 57, 163-174.	1.9	26
52	Expression Analysis of <i>Gnrh1</i> and <i>Gnrhr1</i> in Spermatogenic Cells of Rat. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-8.	0.6	26
53	Kisspeptin regulates steroidogenesis and spermiation in anuran amphibian. <i>Reproduction</i> , 2017, 154, 403-414.	1.1	26
54	Estrogen regulation of the male reproductive tract in the frog, <i>Rana esculenta</i> : A role in Fra-1 activation in peritubular myoid cells and in sperm release. <i>General and Comparative Endocrinology</i> , 2008, 155, 838-846.	0.8	25

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55	Intratesticular control of spermatogenesis in the frog, <i>Rana esculenta</i> . <i>The Journal of Experimental Zoology</i> , 1992, 264, 113-118.	1.4	24
56	Mouse Sperm Cell-Specific DnaJ First Homologue: An Evolutionarily Conserved Protein for Spermiogenesis. <i>Biology of Reproduction</i> , 2002, 66, 1328-1335.	1.2	24
57	Cytoplasmic Versus Nuclear Localization of Fos-Related Proteins in the Frog, <i>Rana esculenta</i> , Testis: In Vivo and Direct In Vitro Effect of a Gonadotropin-Releasing Hormone Agonist. <i>Biology of Reproduction</i> , 2003, 68, 954-960.	1.2	24
58	Bisphenol A induces hypothalamic down-regulation of the the cannabinoid receptor 1 and anorexigenic effects in male mice. <i>Pharmacological Research</i> , 2016, 113, 376-383.	3.1	24
59	Changes in Proto-oncogene Activity in the Testis of the Frog, <i>Rana esculenta</i> , during the Annual Reproductive Cycle. <i>General and Comparative Endocrinology</i> , 1995, 99, 127-136.	0.8	23
60	Anandamide modulates the expression of GnRH-II and GnRHRs in frog, <i>Rana esculenta</i> , diencephalon. <i>General and Comparative Endocrinology</i> , 2011, 173, 389-395.	0.8	23
61	Gonadotropin-releasing hormone in elasmobranch (electric ray, <i>Torpedo marmorata</i>) brain and plasma: Chromatographic and immunological evidence for chicken GnRH II and novel molecular forms. <i>Peptides</i> , 1992, 13, 27-35.	1.2	22
62	Cytoplasmic and Nuclear Fos Protein Forms Regulate Resumption of Spermatogenesis in the Frog, <i>Rana esculenta</i> . , 0, .		22
63	Seasonal fluctuations of estrogen-binding activity in the testis of the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1989, 75, 157-161.	0.8	21
64	Sites of action of local estradiol feedback mechanism in the frog (<i>Rana esculenta</i>) testis. <i>General and Comparative Endocrinology</i> , 1991, 81, 492-499.	0.8	21
65	Non-mammalian vertebrate models and the endocannabinoid system: Relationships with gonadotropin-releasing hormone. <i>Molecular and Cellular Endocrinology</i> , 2008, 286, S46-S51.	1.6	21
66	Ethane 1,2-dimethane Sulfonate Effects on the Testis of the Lizard, <i>Podarcis s. sicula</i> Raf: Morphological and Hormonal Changes. <i>General and Comparative Endocrinology</i> , 1995, 97, 273-282.	0.8	20
67	Regulation of Ovarian Steroidogenesis. , 1987, , 117-144.		19
68	Cloning of type 1 cannabinoid receptor in <i>Rana esculenta</i> reveals differences between genomic sequence and cDNA. <i>FEBS Journal</i> , 2007, 274, 2909-2920.	2.2	19
69	Effects of Neuroendocrine CB1 Activity on Adult Leydig Cells. <i>Frontiers in Endocrinology</i> , 2016, 7, 47.	1.5	19
70	Anandamide acts via kisspeptin in the regulation of testicular activity of the frog, <i>Pelophylax esculentus</i> . <i>Molecular and Cellular Endocrinology</i> , 2016, 420, 75-84.	1.6	19
71	FUS driven circNOT6L biogenesis in mouse and human spermatozoa supports zygote development. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 1.	2.4	19
72	Intratesticular signals for progression of germ cell stages in vertebrates. <i>General and Comparative Endocrinology</i> , 2003, 134, 220-228.	0.8	17

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73	Kisspeptins, new local modulators of male reproduction: A comparative overview. <i>General and Comparative Endocrinology</i> , 2020, 299, 113618.	0.8	17
74	Seasonal plasma and intraovarian sex steroid profiles, and influence of temperature on gonadotropin stimulation of in vitro estradiol-17 β and progesterone production, in <i>Rana esculenta</i> (Amphibia: Anura). <i>General and Comparative Endocrinology</i> , 1987, 67, 163-168.	0.8	16
75	Effects of gonadotropin-releasing hormone variants on plasma and testicular androgen levels in intact and hypophysectomized male frogs, <i>Rana esculenta</i> . <i>The Journal of Experimental Zoology</i> , 1992, 261, 34-39.	1.4	16
76	c-fos- and c-jun-like mRNA Expression in Frog (<i>Rana esculenta</i>) Testis during the Annual Reproductive Cycle. <i>General and Comparative Endocrinology</i> , 1997, 106, 23-29.	0.8	16
77	Testicular Activity of Mos in the Frog, <i>Rana esculenta</i> : A New Role in Spermatogonial Proliferation ¹ . <i>Biology of Reproduction</i> , 2004, 70, 1782-1789.	1.2	16
78	Relationship between estradiol-17 β seasonal profile and annual vitellogenin content of liver, fat body, plasma, and ovary in the frog (<i>Rana esculenta</i>). <i>General and Comparative Endocrinology</i> , 1988, 69, 328-334.	0.8	15
79	Morpho-functional aspects of the hypothalamus-pituitary-gonadal axis of elasmobranch fishes. <i>Environmental Biology of Fishes</i> , 1993, 38, 187-196.	0.4	15
80	Effect of temperature and darkness on testosterone concentration in the testes of intact frogs (<i>Rana</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tt Endocrinology</i> , 1985, 58, 128-130.	0.8	14
81	Fra1 Activity in the Frog, <i>Rana esculenta</i> , Testis: A New Potential Role in Sperm Transport ¹ . <i>Biology of Reproduction</i> , 2005, 72, 1101-1108.	1.2	14
82	Modulators of Hypothalamic-Pituitary-Gonadal Axis for the Control of Spermatogenesis and Sperm Quality in Vertebrates. <i>Frontiers in Endocrinology</i> , 2014, 5, 135.	1.5	13
83	Hypothalamus-pituitary axis: An obligatory target for endocannabinoids to inhibit steroidogenesis in frog testis. <i>General and Comparative Endocrinology</i> , 2014, 205, 88-93.	0.8	13
84	Regulation of the testicular activity in the marine teleost fish, <i>Gobius paganellus</i> . <i>General and Comparative Endocrinology</i> , 1990, 80, 1-8.	0.8	12
85	Analysis of Endocannabinoid System in Rat Testis During the First Spermatogenetic Wave. <i>Frontiers in Endocrinology</i> , 2018, 9, 269.	1.5	12
86	LINCKing the Nuclear Envelope to Sperm Architecture. <i>Genes</i> , 2021, 12, 658.	1.0	12
87	Detection of c-mos related products in the dogfish (<i>Scyliorhinus canicula</i>) testis. <i>Molecular and Cellular Endocrinology</i> , 1995, 109, 127-132.	1.6	11
88	The Cannabinoid Receptor CB1 Stabilizes Sperm Chromatin Condensation Status During Epididymal Transit by Promoting Disulphide Bond Formation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3117.	1.8	11
89	Multi-Systemic Alterations by Chronic Exposure to a Low Dose of Bisphenol A in Drinking Water: Effects on Inflammation and NAD ⁺ -Dependent Deacetylase Sirtuin1 in Lactating and Weaned Rats. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9666.	1.8	11
90	Reproductive biology of elasmobranchs with emphasis on endocrines. <i>The Journal of Experimental Zoology</i> , 1989, 252, 53-61.	1.4	10

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91	Seasonal fluctuations of androgen-binding activity in the testis of the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1992, 88, 335-340.	0.8	10
92	Proto-oncogene Activity in the Testis of the Lizard, <i>Podarcis s. sicula</i> , during the Annual Reproductive Cycle. <i>General and Comparative Endocrinology</i> , 1997, 108, 173-181.	0.8	10
93	Effects of multiple injections of ethane 1,2-dimethane sulphonate (EDS) on the frog, <i>Rana esculenta</i> , testicular activity. <i>The Journal of Experimental Zoology</i> , 2000, 287, 384-393.	1.4	10
94	Differential Expression of Kisspeptin System and Kisspeptin Receptor Trafficking during Spermatozoa Transit in the Epididymis. <i>Genes</i> , 2022, 13, 295.	1.0	9
95	Indirect evidence for a physiological role exerted by a "Testicular gonadotropin-releasing hormone" in the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 1990, 79, 147-153.	0.8	8
96	Regeneration of the Testicular Interstitial Compartment after Ethane Dimethane Sulfonate Treatment in the Hypophysectomized Frog <i>Rana esculenta</i> : Independence of Pituitary Control. <i>General and Comparative Endocrinology</i> , 1994, 95, 84-91.	0.8	8
97	Endocannabinoids and Endovanilloids: A Possible Balance in the Regulation of the Testicular GnRH Signalling. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-9.	0.6	8
98	Kisspeptin Receptor on the Sperm Surface Reflects Epididymal Maturation in the Dog. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10120.	1.8	8
99	Induction of S-phase entry by a gonadotropin releasing hormone agonist (buserelin) in the frog, <i>Rana esculenta</i> , primary spermatogonia. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996, 113, 99-102.	0.5	7
100	Detection of msj-1 gene expression in the frog, <i>Rana esculenta</i> testis, brain, and spinal cord. <i>Molecular Reproduction and Development</i> , 2004, 68, 149-158.	1.0	7
101	CRISP2, CATSPER1 and PATE1 Expression in Human Asthenozoospermic Semen. <i>Cells</i> , 2021, 10, 1956.	1.8	7
102	In vitro GnRH _a (HOE766) effects on ovarian steroid output in non mammalian vertebrates. <i>Bollettino Di Zoologia</i> , 1986, 53, 381-383.	0.3	6
103	Dopamine regulation of testicular activity in intact and hypophysectomized frogs, <i>Rana esculenta</i> . <i>Experientia</i> , 1993, 49, 65-67.	1.2	6
104	Fra-1 Activity in the Frog, <i>Rana esculenta</i> , Testis. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 264-268.	1.8	6
105	UBPy/MSJ-1 system during male germ cell progression in the frog, <i>Rana esculenta</i> . <i>General and Comparative Endocrinology</i> , 2007, 153, 275-279.	0.8	6
106	Chicken GnRH-II and salmon GnRH effects on plasma and testicular androgen concentrations in the male frog, <i>Rana esculenta</i> , during the annual reproductive cycle. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1995, 112, 79-86.	0.5	5
107	Endocannabinoids and Kisspeptins: Two Modulators in Fight for the Regulation of GnRH Activity. , 0, , .		5
108	Ankrd31 in Sperm and Epididymal Integrity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 741975.	1.8	4

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109	Seasonal plasma profiles of testosterone and androstenedione in the Gentile di Puglia ram in southern Italy. <i>Journal of Endocrinological Investigation</i> , 1985, 8, 263-264.	1.8	2
110	Neuroendocrine and Local Control of the Frog Testis. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 260-264.	1.8	2
111	Plasma sex hormone profile in Gentile di Puglia ewes during the estrus cycle. <i>Journal of Endocrinological Investigation</i> , 1986, 9, 83-85.	1.8	1
112	Temporal pattern of labeling of liver, blood, fat body and testis lipids in <i>Rana esculenta</i> . <i>Bollettino Di Zoologia</i> , 1990, 57, 125-130.	0.3	1
113	Effects of cyproterone acetate on testicular and plasma androgen levels in the frog, <i>Rana esculenta</i> . <i>Rendiconti Lincei</i> , 1991, 2, 403-407.	1.0	1
114	Detection of c-Myc, c-Fos, and c-Jun-Like Products in the Lizard (<i>Podarcis s. sicula</i>) Testis. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 561-563.	1.8	1
115	KISS1R and ANKRD31 Cooperate to Enhance Leydig Cell Gene Expression via the Cytoskeletal-Nucleoskeletal Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	1
116	Effects of photoperiod on plasma steroid hormone levels in the Gentile di Puglia ram. <i>Rendiconti Lincei</i> , 1991, 2, 409-414.	1.0	0
117	Editorial. <i>Molecular and Cellular Endocrinology</i> , 2008, 286, S1-S2.	1.6	0