

Rafael Henrique NÃ³brega

List of Publications by Year in descending order

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62
papers

3,106
citations

304743

22
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168389

53
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76
all docs

76
docs citations

76
times ranked

2751
citing authors

#	ARTICLE	IF	CITATIONS
1	Spermatogenesis in fish. <i>General and Comparative Endocrinology</i> , 2010, 165, 390-411.	1.8	943
2	Histological and Stereological Evaluation of Zebrafish (<i>Danio rerio</i>) Spermatogenesis with an Emphasis on Spermatogonial Generations1. <i>Biology of Reproduction</i> , 2009, 81, 177-187.	2.7	220
3	Spermatogonial Stem Cell Niche and Spermatogonial Stem Cell Transplantation in Zebrafish. <i>PLoS ONE</i> , 2010, 5, e12808.	2.5	138
4	Studies in Zebrafish Reveal Unusual Cellular Expression Patterns of Gonadotropin Receptor Messenger Ribonucleic Acids in the Testis and Unexpected Functional Differentiation of the Gonadotropins. <i>Endocrinology</i> , 2010, 151, 2349-2360.	2.8	129
5	Proteolytically Activated, Recombinant Anti-MÄ¼llerian Hormone Inhibits Androgen Secretion, Proliferation, and Differentiation of Spermatogonia in Adult Zebrafish Testis Organ Cultures. <i>Endocrinology</i> , 2011, 152, 3527-3540.	2.8	125
6	Fsh Stimulates Spermatogonial Proliferation and Differentiation in Zebrafish via Igf3. <i>Endocrinology</i> , 2015, 156, 3804-3817.	2.8	124
7	Gastroprotective effect of limonene in rats: Influence on oxidative stress, inflammation and gene expression. <i>Phytomedicine</i> , 2019, 53, 37-42.	5.3	105
8	An overview of functional and stereological evaluation of spermatogenesis and germ cell transplantation in fish. <i>Fish Physiology and Biochemistry</i> , 2009, 35, 197-206.	2.3	80
9	Thyroid Hormone Stimulates the Proliferation of Sertoli Cells and Single Type A Spermatogonia in Adult Zebrafish (<i>Danio rerio</i>) Testis. <i>Endocrinology</i> , 2013, 154, 4365-4376.	2.8	74
10	Glycoprotein Hormone Receptor Knockdown Leads to Reduced Reproductive Success in Male <i>Aedes aegypti</i> . <i>Frontiers in Physiology</i> , 2019, 10, 266.	2.8	74
11	Intersex, Hermaphroditism, and Gonadal Plasticity in Vertebrates: Evolution of the MÄ¼llerian Duct and <i>Amh/Amhr2</i> Signaling. <i>Annual Review of Animal Biosciences</i> , 2019, 7, 149-172.	7.4	69
12	Activity of the ovarian germinal epithelium in the freshwater catfish, <i>Pimelodus maculatus</i> (Teleostei: Ostariophysi: Siluriformes): Germline cysts, follicle formation and oocyte development. <i>Journal of Morphology</i> , 2011, 272, 1290-1306.	1.2	60
13	Antagonistic regulation of spermatogonial differentiation in zebrafish (<i>Danio rerio</i>) by Igf3 and <i>Amh</i> . <i>Molecular and Cellular Endocrinology</i> , 2017, 454, 112-124.	3.2	55
14	Lupeol, a Dietary Triterpene, Enhances Wound Healing in Streptozotocin-Induced Hyperglycemic Rats with Modulatory Effects on Inflammation, Oxidative Stress, and Angiogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-20.	4.0	50
15	Multiple endpoints of polylactic acid biomicroplastic toxicity in adult zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2021, 277, 130279.	8.2	50
16	Thyroid hormone actions on male reproductive system of teleost fish. <i>General and Comparative Endocrinology</i> , 2018, 265, 230-236.	1.8	46
17	<i>Cyp17a1</i> and <i>Cyp19a1</i> in the zebrafish testis are differentially affected by oestradiol. <i>Journal of Endocrinology</i> , 2013, 216, 375-388.	2.6	43
18	From Inflammation to Cutaneous Repair: Topical Application of Lupeol Improves Skin Wound Healing in Rats by Modulating the Cytokine Levels, NF-Ä¼B, Ki-67, Growth Factor Expression, and Distribution of Collagen Fibers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4952.	4.1	41

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19	RADSex: A computational workflow to study sex determination using restriction site-associated DNA sequencing data. <i>Molecular Ecology Resources</i> , 2021, 21, 1715-1731.	4.8	40
20	Characterization of GnRH/GnRH elements in the olfacto-retinal system and ovary during zebrafish ovarian maturation. <i>Molecular and Cellular Endocrinology</i> , 2017, 450, 1-13.	3.2	34
21	Estrogen-induced inhibition of spermatogenesis in zebrafish is largely reversed by androgen. <i>Journal of Molecular Endocrinology</i> , 2018, 60, 273-284.	2.5	33
22	Cell junctions in fish seminiferous epithelium. <i>Fish Physiology and Biochemistry</i> , 2009, 35, 207-217.	2.3	28
23	Sertoli cell structure and function in anamniote vertebrates. , 2015, , 385-407.		28
24	Duration of spermatogenesis and identification of spermatogonial stem cell markers in a Neotropical catfish, <i>Jundiá</i> (<i>Rhamdia quelen</i>). <i>General and Comparative Endocrinology</i> , 2019, 273, 249-259.	1.8	26
25	Cortisol Directly Stimulates Spermatogonial Differentiation, Meiosis, and Spermiogenesis in Zebrafish (<i>Danio rerio</i>) Testicular Explants. <i>Biomolecules</i> , 2020, 10, 429.	4.0	26
26	Spermatogonial Stem Cells in Fish: Characterization, Isolation, Enrichment, and Recent Advances of In Vitro Culture Systems. <i>Biomolecules</i> , 2020, 10, 644.	4.0	26
27	The genome of the arapaima (<i>Arapaima gigas</i>) provides insights into gigantism, fast growth and chromosomal sex determination system. <i>Scientific Reports</i> , 2019, 9, 5293.	3.3	25
28	Toxicological insights of Spike fragments SARS-CoV-2 by exposure environment: A threat to aquatic health?. <i>Journal of Hazardous Materials</i> , 2021, 419, 126463.	12.4	24
29	Skin Wound Healing Potential and Mechanisms of the Hydroalcoholic Extract of Leaves and Oleoresin of <i>Copaifera langsdorffii</i> Desf. Kuntze in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-16.	1.2	23
30	Role of GnRH Isoforms in Paracrine/Autocrine Control of Zebrafish (<i>Danio rerio</i>) Spermatogenesis. <i>Endocrinology</i> , 2020, 161, .	2.8	23
31	Morphofunctional changes in Leydig cells throughout the continuous spermatogenesis of the freshwater teleost fish, <i>Serrasalmus spilopleura</i> (Characiformes, Characidae): an ultrastructural and enzyme study. <i>Cell and Tissue Research</i> , 2007, 329, 339-349.	2.9	21
32	Testis structure, spermatogonial niche and Sertoli cell efficiency in Neotropical fish. <i>General and Comparative Endocrinology</i> , 2019, 273, 218-226.	1.8	21
33	Paracrine/autocrine control of spermatogenesis by gonadotropin-inhibitory hormone. <i>Molecular and Cellular Endocrinology</i> , 2019, 492, 110440.	3.2	20
34	Toxicity of spike fragments SARS-CoV-2 S protein for zebrafish: A tool to study its hazardous for human health?. <i>Science of the Total Environment</i> , 2022, 813, 152345.	8.0	19
35	Immunohistochemical study of pituitary cells in wild and captive <i>Salminus hilarii</i> (Characiformes: Tj ETQq1 1 0.784314 rgBT /Overlock 18	1.2	18
36	Acrocomia aculeata oil: Beneficial effects on cyclophosphamide-induced reproductive toxicity in male rats. <i>Andrologia</i> , 2018, 50, e13028.	2.1	17

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37	Environmental impacts of COVID-19 treatment: Toxicological evaluation of azithromycin and hydroxychloroquine in adult zebrafish. <i>Science of the Total Environment</i> , 2021, 790, 148129.	8.0	17
38	The Use of Menthol in Skin Wound Healingâ€™Anti-Inflammatory Potential, Antioxidant Defense System Stimulation and Increased Epithelialization. <i>Pharmaceutics</i> , 2021, 13, 1902.	4.5	17
39	Characterization of vasa homolog in a neotropical catfish, JundiÃ¡ (<i>Rhamdia quelen</i>): Molecular cloning and expression analysis during embryonic and larval development. <i>Gene</i> , 2018, 654, 116-126.	2.2	15
40	Effects of GnRH and the dual regulatory actions of GnIH in the pituitary explants and brain slices of <i>Astyanax altiparanae</i> males. <i>General and Comparative Endocrinology</i> , 2019, 273, 209-217.	1.8	14
41	Environmentally-induced sex reversal in fish with chromosomal vs. polygenic sex determination. <i>Environmental Research</i> , 2022, 213, 113549.	7.5	14
42	Cystic proliferation of germline stem cells is necessary to reproductive success and normal mating behavior in medaka. <i>ELife</i> , 2021, 10, .	6.0	13
43	Effects of 17Î²-estradiol on early gonadal development and expression of genes implicated in sexual differentiation of a South American teleost, <i>Astyanax altiparanae</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 248-249, 110467.	1.6	12
44	Interaction between thyroid hormones and gonadotropin inhibitory hormone in ex vivo culture of zebrafish testis: An approach to study multifactorial control of spermatogenesis. <i>Molecular and Cellular Endocrinology</i> , 2021, 532, 111331.	3.2	11
45	Shedding light on the impacts of gestational exposure to polystyrene nanoplastics on the reproductive performance of <i>Poecilia reticulata</i> female and on the biochemical response of embryos. <i>Journal of Hazardous Materials</i> , 2022, 427, 127873.	12.4	10
46	Characterization of undifferentiated spermatogonia and the spermatogonial niche in the lambari fish <i>Astyanax altiparanae</i> . <i>Theriogenology</i> , 2017, 96, 97-102.	2.1	9
47	Characterization of gonadotropic cells during continuous and seasonal spermatogenesis of two freshwater fish species: a histochemical and immunohistochemical study. <i>Fish Physiology and Biochemistry</i> , 2017, 43, 51-63.	2.3	8
48	A duplicated copy of <i>id2b</i> is an unusual sex-determining candidate gene on the Y chromosome of arapaima (<i>Arapaima gigas</i>). <i>Scientific Reports</i> , 2021, 11, 21544.	3.3	8
49	THE REPRODUCTIVE ORGANS AND PROCESSES <i>Anatomy and Histology of Fish Testis</i> . , 2011, , 616-626.		7
50	The influence of increased water temperature on the duration of spermatogenesis in a neotropical fish, <i>Astyanax altiparanae</i> (Characiformes, Characidae). <i>Fish Physiology and Biochemistry</i> , 2021, 47, 747-755.	2.3	7
51	Effects of gonadotropin-inhibitory hormone on early and late stages of spermatogenesis in ex-vivo culture of zebrafish testis. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111087.	3.2	7
52	Can carbon nanofibers affect anurofauna? Study involving neotropical <i>Physalaemus cuvieri</i> (Fitzinger, 1826) tadpoles. <i>Aquatic Toxicology</i> , 2021, 233, 105795.	4.0	7
53	Gdnf Acts as a Germ Cell-Derived Growth Factor and Regulates the Zebrafish Germ Stem Cell Niche in Autocrine- and Paracrine-Dependent Manners. <i>Cells</i> , 2022, 11, 1295.	4.1	7
54	THE REPRODUCTIVE ORGANS AND PROCESSES <i>Regulation of Spermatogenesis</i> . , 2011, , 627-634.		5

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55	Reproductive cycle of the tetra <i>Astyanax bimaculatus</i> (Characiformes: Characidae) collected in Amazonian streams. <i>Zygote</i> , 2020, 28, 37-44.	1.1	5
56	Molecular characterization and expression analysis of anti-Müllerian hormone in common carp (<i>Cyprinus carpio</i>) adult testes. <i>Gene Expression Patterns</i> , 2021, 40, 119169.	0.8	4
57	Thyroid Hormones Deficiency Impairs Male Germ Cell Development: A Cross Talk Between Hypothalamic-Pituitary-Thyroid, and Gonadal Axes in Zebrafish. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	4
58	What do environmental advertisers Say and how does the public understand them? Contributions to education for sustainability. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100160.	6.1	3
59	Cartoon as support material in education for biodiversity conservation: The feasibility of using the Tom and Jerry show, Mickey Mouse Clubhouse and Masha and the Bear series in elementary school. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100123.	6.1	2
60	Cylindrospermopsin Disrupts Estrous Cycle and Increases Spermatogenesis in Mice. <i>Reproductive Sciences</i> , 2022, 29, 2876-2884.	2.5	2
61	Reproductive biology of the Amazonian amphibian fish the splash tetra <i>Copella arnoldi</i> with emphasis to histological characterization. <i>Acta Zoologica</i> , 0, , .	0.8	1
62	Endocrinology of neotropical vertebrates. <i>General and Comparative Endocrinology</i> , 2019, 273, 1-2.	1.8	0