

# Sylvain Milla

## List of Publications by Year in descending order

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56  
papers

1,627  
citations

331670

21  
h-index

302126

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple corticosteroid receptors in fish: From old ideas to new concepts. <i>General and Comparative Endocrinology</i> , 2006, 147, 17-23.	1.8	199
2	The effects of estrogenic and androgenic endocrine disruptors on the immune system of fish: a review. <i>Ecotoxicology</i> , 2011, 20, 305-319.	2.4	185
3	Spleen immune status is affected after acute handling stress but not regulated by cortisol in Eurasian perch, <i>Perca fluviatilis</i> . <i>Fish and Shellfish Immunology</i> , 2010, 28, 931-941.	3.6	108
4	Photothermal control of the reproductive cycle in temperate fishes. <i>Reviews in Aquaculture</i> , 2010, 2, 209-222.	9.0	95
5	Hydration of rainbow trout oocyte during meiotic maturation and in vitro regulation by 17,20 $\beta$ -dihydroxy-4-pregnen-3-one and cortisol. <i>Journal of Experimental Biology</i> , 2006, 209, 1147-1156.	1.7	72
6	Physiological and proteomic responses to single and repeated hypoxia in juvenile Eurasian perch under domestication – Clues to physiological acclimation and humoral immune modulations. <i>Fish and Shellfish Immunology</i> , 2012, 33, 1112-1122.	3.6	65
7	Di-(2-ethylhexyl)-phthalate disrupts pituitary and testicular hormonal functions to reduce sperm quality in mature goldfish. <i>Aquatic Toxicology</i> , 2015, 163, 16-26.	4.0	58
8	In vivo effects of <i>Escherichia coli</i> lipopolysaccharide on regulation of immune response and protein expression in striped catfish ( <i>Pangasianodon hypophthalmus</i> ). <i>Fish and Shellfish Immunology</i> , 2013, 34, 339-347.	3.6	54
9	Evidence that elevated water temperature affects the reproductive physiology of the European bullhead <i>Cottus gobio</i> . <i>Fish Physiology and Biochemistry</i> , 2012, 38, 389-399.	2.3	49
10	Plasma 11-deoxycorticosterone (DOC) and mineralocorticoid receptor testicular expression during rainbow trout <i>Oncorhynchus mykiss</i> spermiation: implication with 17 $\alpha$ , 20 $\beta$ -dihydroxyprogesterone on the milt fluidity?. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 19.	3.3	45
11	Physiological and proteomic evidences that domestication process differentially modulates the immune status of juvenile Eurasian perch ( <i>Perca fluviatilis</i> ) under chronic confinement stress. <i>Fish and Shellfish Immunology</i> , 2011, 31, 1113-1121.	3.6	41
12	Implication of the mineralocorticoid axis in rainbow trout osmoregulation during salinity acclimation. <i>Journal of Endocrinology</i> , 2011, 209, 221-235.	2.6	41
13	Acute toxicity and sublethal effects of gallic and pelargonic acids on the zebrafish <i>Danio rerio</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 5020-5029.	5.3	36
14	How domestication alters fish phenotypes. <i>Reviews in Aquaculture</i> , 2021, 13, 388-405.	9.0	36
15	Time of response to hormonal treatment but not the type of a spawning agent affects the reproductive effectiveness in domesticated pikeperch, <i>Sander lucioperca</i> . <i>Aquaculture</i> , 2019, 503, 527-536.	3.5	30
16	Effects of hCG and salmon gonadoliblerine analogue on spermiation in the Eurasian perch ( <i>Perca</i> )	2.1	28
17	Anti-androgen vinclozolin impairs sperm quality and steroidogenesis in goldfish. <i>Aquatic Toxicology</i> , 2012, 122-123, 181-187.	4.0	27
18	First evidence of the possible implication of the 11-deoxycorticosterone (DOC) in immune activity of Eurasian perch ( <i>Perca fluviatilis</i> , L.): Comparison with cortisol. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 165, 149-158.	1.8	26

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19	Arachidonic Acid Induces Production of 17,20 $\beta$ -Dihydroxy $\alpha$ -Pregnen $\alpha$ -3-one (DHP) via a Putative PGE2 Receptor in Fish Follicles from the Eurasian Perch. <i>Lipids</i> , 2011, 46, 179-187.	1.7	23
20	Alternations in neuroendocrine and endocrine regulation of reproduction in male goldfish ( <i>Carassius auratus</i> ) following an acute and chronic exposure to vinclozolin, in vivo. <i>Aquatic Toxicology</i> , 2014, 155, 73-83.	4.0	23
21	How does a domestication process modulate oogenesis and reproduction performance in Eurasian perch?. <i>Aquaculture</i> , 2017, 473, 206-214.	3.5	23
22	Effects of probiotic bacteria on growth parameters and immune defence in Eurasian perch <i>Perca fluviatilis</i> L. larvae under intensive culture conditions. <i>Aquaculture Research</i> , 2011, 42, 693-703.	1.8	22
23	Influence of short-term exposure to low levels of 17 $\beta$ -ethynylestradiol on expression of genes involved in immunity and on immune parameters in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2014, 157, 57-69.	4.0	20
24	Effects of low dose endosulfan exposure on brain neurotransmitter levels in the African clawed frog <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2015, 120, 357-364.	8.2	19
25	Positive welfare effects of physical enrichments from the nature-, functions- and feeling- based approaches in farmed rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2022, 550, 737825.	3.5	19
26	Partial and total fish meal replacement by agricultural products in the diets improve sperm quality in African catfish ( <i>Clarias gariepinus</i> ). <i>Theriogenology</i> , 2012, 77, 184-194.	2.1	18
27	In vivo response of some immune and endocrine variables to LPS in Eurasian perch ( <i>Perca fluviatilis</i> , L.) and modulation of this response by two corticosteroids, cortisol and 11-deoxycorticosterone. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2014, 167, 25-34.	1.8	18
28	Expression of gene, protein and immunohistochemical localization of the estrogen receptor isoform ER $\alpha$ 1 in male rainbow trout lymphoid organs; indication of the role of estrogens in the regulation of immune mechanisms. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 174, 53-61.	1.6	18
29	Genetic characterization and relatedness of wild and farmed Eurasian perch ( <i>Perca fluviatilis</i> ): Possible implications for aquaculture practices. <i>Aquaculture Reports</i> , 2016, 3, 136-146.	1.7	18
30	Ovarian steroidogenesis inhibition by constant photothermal conditions is caused by a lack of gonadotropin stimulation in Eurasian perch. <i>General and Comparative Endocrinology</i> , 2009, 163, 242-250.	1.8	17
31	Continuous lighting inhibits the onset of reproductive cycle in pikeperch males and females. <i>Fish Physiology and Biochemistry</i> , 2015, 41, 345-356.	2.3	17
32	The trenbolone acetate affects the immune system in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2015, 163, 109-120.	4.0	16
33	The effects of GnRH $\alpha$ with and without dopamine antagonist on reproductive hormone levels and ovum viability in tench <i>Tinca tinca</i> . <i>Aquaculture</i> , 2016, 465, 158-163.	3.5	16
34	Seasonal simulated photoperiods influence melatonin release and immune markers of pike perch <i>Sander lucioperca</i> . <i>Scientific Reports</i> , 2020, 10, 2650.	3.3	15
35	Cortisol is responsible for positive and negative effects in the ovarian maturation induced by the exposure to acute stressors in Nile tilapia, <i>Oreochromis niloticus</i> . <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1619-1626.	2.3	14
36	A novel approach for induced out-of-season spawning of Eurasian perch, <i>Perca fluviatilis</i> . <i>Aquaculture</i> , 2019, 512, 734300.	3.5	13

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37	Corticosteroids deeply depress the in vitro steroidogenic capacity of Eurasian perch ovary at the end of the reproductive cycle. <i>General and Comparative Endocrinology</i> , 2017, 245, 44-54.	1.8	10
38	Design, production and purification of a novel recombinant gonadotropin-releasing hormone associated peptide as a spawning inducing agent for fish. <i>Protein Expression and Purification</i> , 2020, 166, 105510.	1.3	9
39	Maturation Inducing Hormones in teleosts: Are progestogens always the first to be nominated?. <i>Aquaculture</i> , 2022, 546, 737315.	3.5	9
40	Patterns of genetic structure of Eurasian perch ( <i>Perca fluviatilis</i> L.) in Lake Geneva at the end of the spawning season. <i>Journal of Great Lakes Research</i> , 2015, 41, 846-852.	1.9	8
41	The effect of GnRH $\alpha$ with or without dopamine inhibitor on reproductive hormone levels and sperm quality in tench <i>Tinca tinca</i> . <i>Aquaculture</i> , 2017, 470, 91-94.	3.5	7
42	Spawning induction in Sterlet sturgeon ( <i>Acipenser ruthenus</i> ) with recombinant GnRH: Analysis of hormone profiles and spawning indices. <i>Aquaculture</i> , 2021, 533, 736108.	3.5	7
43	In vitro follicle culture shows that progestagens are the maturation-inducing hormones (MIH) and possible regulators of the ovulation-mediating hormone PGE <sub>2</sub> in female Eurasian perch <i>Perca fluviatilis</i> . <i>Fish Physiology and Biochemistry</i> , 2021, 47, 881-894.	2.3	7
44	Influence of waterborne gallic and pelargonic acid exposures on biochemical and reproductive parameters in the zebrafish ( <i>Danio rerio</i> ). <i>Environmental Toxicology</i> , 2017, 32, 227-240.	4.0	6
45	Constant long photoperiod inhibits the onset of the reproductive cycle in roach females and males. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 89-102.	2.3	6
46	Effects of partial or total fish meal replacement by agricultural by-product diets on gonad maturation, sex steroids and vitellogenin dynamics of African catfish ( <i>Clarias gariepinus</i> ). <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1287-1298.	2.3	5
47	Effects of mechanical perturbation at various times during incubation on egg survival, hatching and malformation rates in the rainbow trout <i>Oncorhynchus mykiss</i> , and the influence of post-ovulatory oocyte ageing. <i>Aquaculture Research</i> , 2011, 42, 1061-1065.	1.8	4
48	Sublethal effect assessment of a low-power and dual-frequency anti-cyanobacterial ultrasound device on the common carp ( <i>Cyprinus carpio</i> ): a field study. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5669-5678.	5.3	4
49	Physiological and proteomic responses to corticosteroid treatments in Eurasian perch, <i>Perca fluviatilis</i> : Investigation of immune-related parameters. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 25, 86-98.	1.0	3
50	Is the use of recombinant cGnRH may be a future alternative to control the fish spawning? Let us go with the goldfish example. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 951-960.	2.3	3
51	Spawning Performance and Sex Steroid Levels in Female Pikeperch <i>Sander lucioperca</i> Treated with Poly(lactic-co-glycolic acid) Microparticles. <i>Animals</i> , 2022, 12, 208.	2.3	3
52	Does constant photoperiod inhibit the onset of the reproductive cycle in northern pike ( <i>Esox lucius</i> ) males?. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 301-310.	2.3	2
53	The effects of recombinant GnRH with dopamine antagonist on reproduction performance, sex steroid levels, and stress response in female koi carp ( <i>Cyprinus carpio</i> ). <i>Aquaculture Reports</i> , 2022, 22, 101001.	1.7	2
54	Duration of chilling phase, but not thermal condition, influence the gonad maturation of male and female domesticated pikeperch ( <i>Sander lucioperca</i> ). <i>Aquaculture, Fish and Fisheries</i> , 2021, 1, 51-59.	1.0	1

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55	The effect of two different experimental rearing temperatures on the quality and the large-scale cryopreservation of Eurasian perch ( <i>Perca fluviatilis</i> ) sperm. <i>Theriogenology</i> , 2022, 185, 127-133.	2.1	1
56	First identification of dopamine receptors in pikeperch, <i>Sander lucioperca</i> , during the pre-ovulatory period. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 36, 100747.	1.0	0