

Laurence Besseau

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.

37
papers

1,424
citations

21
h-index

37
g-index

43
ext. papers

1,629
ext. citations

4.7
avg. IF

4.05
L-index

#	Paper	IF	Citations
37	Transient Receptor Potential-Vanilloid (TRPV1-TRPV4) Channels in the Atlantic Salmon, . A Focus on the Pineal Gland and Melatonin Production.. <i>Frontiers in Physiology</i> , 2021 , 12, 784416	4.6	1
36	Dietary taurine improves vision in different age gilthead sea bream (<i>Sparus aurata</i>) larvae potentially contributing to increased prey hunting success and growth. <i>Aquaculture</i> , 2021 , 533, 736129	4.4	3
35	A star is born again: Methods for larval rearing of an emerging model organism, the False clownfish <i>Amphiprion ocellaris</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2021 , 336, 376-385	1.8	5
34	Pituitary Hormones mRNA Abundance in the Mediterranean Sea Bass : Seasonal Rhythms, Effects of Melatonin and Water Salinity.. <i>Frontiers in Physiology</i> , 2021 , 12, 774975	4.6	
33	Anemonefish, a model for Eco-Evo-Devo. <i>EvoDevo</i> , 2020 , 11, 20	3.2	8
32	Effects of a temperature rise on melatonin and thyroid hormones during smoltification of Atlantic salmon, <i>Salmo salar</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020 , 190, 731-748	2.2	3
31	Developmental and comparative transcriptomic identification of iridophore contribution to white barring in clownfish. <i>Pigment Cell and Melanoma Research</i> , 2019 , 32, 391-402	4.5	26
30	The effect of dietary DHA and taurine on rotifer capture success, growth, survival and vision in the larvae of Atlantic bluefin tuna (<i>Thunnus thynnus</i>). <i>Aquaculture</i> , 2018 , 482, 137-145	4.4	18
29	In the Heat of the Night: Thermo-TRPV Channels in the Salmonid Pineal Photoreceptors and Modulation of Melatonin Secretion. <i>Endocrinology</i> , 2015 , 156, 4629-38	4.8	15
28	Subfunctionalization of arylalkylamine N-acetyltransferases in the sea bass <i>Dicentrarchus labrax</i> : two-ones for one two. <i>Journal of Pineal Research</i> , 2015 , 59, 354-64	10.4	26
27	Generation and characterization of the sea bass <i>Dicentrarchus labrax</i> brain and liver transcriptomes. <i>Gene</i> , 2014 , 544, 56-66	3.8	22
26	Drastic neofunctionalization associated with evolution of the timezyme AANAT 500 Mya. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 314-9	11.5	46
25	The timing of Timezyme diversification in vertebrates. <i>PLoS ONE</i> , 2014 , 9, e112380	3.7	21
24	Unique arylalkylamine N-acetyltransferase-2 polymorphism in salmonids and profound variations in thermal stability and catalytic efficiency conferred by two residues. <i>Journal of Experimental Biology</i> , 2013 , 216, 1938-48	3	15
23	Somatotropic axis genes are expressed before pituitary onset during zebrafish and sea bass development. <i>General and Comparative Endocrinology</i> , 2013 , 194, 133-41	3	15
22	Functional diversity of Teleost arylalkylamine N-acetyltransferase-2: is the timezyme evolution driven by habitat temperature?. <i>Molecular Ecology</i> , 2012 , 21, 5027-41	5.7	12
21	Evolution of AANAT: expansion of the gene family in the cephalochordate amphioxus. <i>BMC Evolutionary Biology</i> , 2010 , 10, 154	3	23

20	Melatonin receptors in a pleuronectiform species, <i>Solea senegalensis</i> : Cloning, tissue expression, day-night and seasonal variations. <i>General and Comparative Endocrinology</i> , 2010 , 167, 202-14	3	32
19	Melatonin receptors in the brain of the European sea bass: An in situ hybridization and autoradiographic study. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3495-511	3.4	36
18	The Pineal Organ of Fish 2010 , 9-33		1
17	Structural and functional evolution of the pineal melatonin system in vertebrates. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1163, 101-11	6.5	101
16	Cloning and retinal expression of melatonin receptors in the European sea bass, <i>Dicentrarchus labrax</i> . <i>General and Comparative Endocrinology</i> , 2008 , 157, 186-95	3	50
15	Melatonin effects on the hypothalamo-pituitary axis in fish. <i>Trends in Endocrinology and Metabolism</i> , 2007 , 18, 81-8	8.8	195
14	Starting the zebrafish pineal circadian clock with a single photic transition. <i>Endocrinology</i> , 2006 , 147, 2273-9	4.8	50
13	Molecular and Cellular Regulation of Pineal Organ Responses. <i>Fish Physiology</i> , 2006 , 25, 243-306	2	17
12	Melatonin pathway: breaking the W igh-at-night W ule in trout retina. <i>Experimental Eye Research</i> , 2006 , 82, 620-7	3.7	61
11	Retinal, pineal and diencephalic expression of frog arylalkylamine N-acetyltransferase-1. <i>Molecular and Cellular Endocrinology</i> , 2006 , 252, 11-8	4.4	16
10	Melatonin modulates secretion of growth hormone and prolactin by trout pituitary glands and cells in culture. <i>Endocrinology</i> , 2003 , 144, 4648-58	4.8	88
9	Liquid crystalline assemblies of collagen in bone and in vitro systems. <i>Journal of Biomechanics</i> , 2003 , 36, 1571-9	2.9	105
8	Cytoskeleton and mitosis in the dinoflagellate <i>Cryptothecodinium cohnii</i> : immunolocalization of P72, an HSP70-related protein. <i>European Journal of Protistology</i> , 2002 , 38, 155-170	3.6	2
7	Production of ordered collagen matrices for three-dimensional cell culture. <i>Biomaterials</i> , 2002 , 23, 27-36	5.6	83
6	Structural aspects of fish skin collagen which forms ordered arrays via liquid crystalline states. <i>Biomaterials</i> , 2000 , 21, 899-906	15.6	123
5	Banded patterns in liquid crystalline phases of type I collagen: relationship with crimp morphology in connective tissue architecture. <i>Connective Tissue Research</i> , 1998 , 37, 183-93	3.3	31
4	Plasticity of gonad development in hermaphroditic sparids: ovotestis ontogeny in a protandric species, <i>Lithognathus mormyrus</i> . <i>Environmental Biology of Fishes</i> , 1995 , 43, 255-267	1.6	14
3	Stabilization of fluid cholesteric phases of collagen to ordered gelled matrices. <i>Journal of Molecular Biology</i> , 1995 , 251, 197-202	6.5	79

- 2 Resorption of unemitted gametes in *Lithognathus mormyrus* (Sparidae, Teleostei): a possible synergic action of somatic and immune cells. *Cell and Tissue Research*, **1994**, 276, 123-32 4-2 34
- 1 Optimization of Collagen Liquid Crystalline Assemblies: Influence of Sonic Fragmentation. *Journal of Structural Biology*, **1994**, 113, 99-106 3-4 23