

Laurence Besseau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6997481/publications.pdf>

Version: 2024-02-01

39
papers

1,771
citations

304368

22
h-index

315357

38
g-index

43
all docs

43
docs citations

43
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin effects on the hypothalamo-pituitary axis in fish. Trends in Endocrinology and Metabolism, 2007, 18, 81-88.	3.1	229
2	Structural aspects of fish skin collagen which forms ordered arrays via liquid crystalline states. Biomaterials, 2000, 21, 899-906.	5.7	137
3	Liquid crystalline assemblies of collagen in bone and in vitro systems. Journal of Biomechanics, 2003, 36, 1571-1579.	0.9	129
4	Structural and Functional Evolution of the Pineal Melatonin System in Vertebrates. Annals of the New York Academy of Sciences, 2009, 1163, 101-111.	1.8	123
5	Melatonin Modulates Secretion of Growth Hormone and Prolactin by Trout Pituitary Glands and Cells in Culture. Endocrinology, 2003, 144, 4648-4658.	1.4	96
6	Production of ordered collagen matrices for three-dimensional cell culture. Biomaterials, 2002, 23, 27-36.	5.7	93
7	Stabilization of Fluid Cholesteric Phases of Collagen to Ordered Gelated Matrices. Journal of Molecular Biology, 1995, 251, 197-202.	2.0	92
8	Melatonin pathway: breaking the "high-at-night" rule in trout retina. Experimental Eye Research, 2006, 82, 620-627.	1.2	69
9	Cloning and retinal expression of melatonin receptors in the European sea bass, <i>Dicentrarchus labrax</i> . General and Comparative Endocrinology, 2008, 157, 186-195.	0.8	64
10	Drastic neofunctionalization associated with evolution of the timezyme AANAT 500 Mya. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 314-319.	3.3	64
11	Starting the Zebrafish Pineal Circadian Clock with a Single Photic Transition. Endocrinology, 2006, 147, 2273-2279.	1.4	55
12	Developmental and comparative transcriptomic identification of iridophore contribution to white barring in clownfish. Pigment Cell and Melanoma Research, 2019, 32, 391-402.	1.5	47
13	Melatonin receptors in a pleuronectiform species, <i>Solea senegalensis</i> : Cloning, tissue expression, day-night and seasonal variations. General and Comparative Endocrinology, 2010, 167, 202-214.	0.8	46
14	Resorption of unemitted gametes in <i>Lithognathus mormyrus</i> (Sparidae, Teleostei): a possible synergic action of somatic and immune cells. Cell and Tissue Research, 1994, 276, 123-132.	1.5	40
15	Melatonin receptors in the brain of the European sea bass: An in situ hybridization and autoradiographic study. Journal of Comparative Neurology, 2010, 518, 3495-3511.	0.9	37
16	Subfunctionalization of arylalkylamine N-acetyltransferases in the sea bass <i>Dicentrarchus labrax</i> : two genes for one two. Journal of Pineal Research, 2015, 59, 354-364.	3.4	34
17	Optimization of Collagen Liquid Crystalline Assemblies: Influence of Sonic Fragmentation. Journal of Structural Biology, 1994, 113, 99-106.	1.3	33
18	Banded Patterns in Liquid Crystalline Phases of Type I Collagen: Relationship with Crimp Morphology in Connective Tissue Architecture. Connective Tissue Research, 1998, 37, 183-193.	1.1	33

#	ARTICLE	IF	CITATIONS
19	Anemonefish, a model for Eco-Evo-Devo. <i>EvoDevo</i> , 2020, 11, 20.	1.3	33
20	Generation and characterization of the sea bass <i>Dicentrarchus labrax</i> brain and liver transcriptomes. <i>Gene</i> , 2014, 544, 56-66.	1.0	32
21	The Timing of Timezyme Diversification in Vertebrates. <i>PLoS ONE</i> , 2014, 9, e112380.	1.1	26
22	In the Heat of the Night: Thermo-TRPV Channels in the Salmonid Pineal Photoreceptors and Modulation of Melatonin Secretion. <i>Endocrinology</i> , 2015, 156, 4629-4638.	1.4	25
23	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.	1.7	25
24	Evolution of AANAT: expansion of the gene family in the cephalochordate amphioxus. <i>BMC Evolutionary Biology</i> , 2010, 10, 154.	3.2	24
25	Somatotropic axis genes are expressed before pituitary onset during zebrafish and sea bass development. <i>General and Comparative Endocrinology</i> , 2013, 194, 133-141.	0.8	23
26	Molecular and Cellular Regulation of Pineal Organ Responses. <i>Fish Physiology</i> , 2006, 25, 243-306.	0.2	21
27	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.	0.4	17
28	Retinal, pineal and diencephalic expression of frog arylalkylamine N-acetyltransferase-1. <i>Molecular and Cellular Endocrinology</i> , 2006, 252, 11-18.	1.6	17
29	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.	0.8	16
30	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.	0.6	15
31	Functional diversity of Teleost arylalkylamine N-acetyltransferase: is the timezyme evolution driven by habitat temperature?. <i>Molecular Ecology</i> , 2012, 21, 5027-5041.	2.0	13
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.	0.7	10
33	Transient Receptor Potential-Vanilloid (TRPV1-TRPV4) Channels in the Atlantic Salmon, <i>Salmo salar</i> . A Focus on the Pineal Gland and Melatonin Production. <i>Frontiers in Physiology</i> , 2021, 12, 784416.	1.3	9
34	Cytoskeleton and mitosis in the dinoflagellate <i>Cryptocodinium cohnii</i> : immunolocalization of P72, an HSP70-related protein. <i>European Journal of Protistology</i> , 2002, 38, 155-170.	0.5	8
35	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.	1.7	5
36	Anemonefishes. , 2021, , 443-464.		2

#	ARTICLE	IF	CITATIONS
37	The Pineal Organ of Fish. , 2010, , 9-33.		1
38	Pituitary Hormones mRNA Abundance in the Mediterranean Sea Bass <i>Dicentrarchus labrax</i> : Seasonal Rhythms, Effects of Melatonin and Water Salinity. <i>Frontiers in Physiology</i> , 2021, 12, 774975.	1.3	1
39	Integration of photoperiod signals in the brainâ€“pituitaryâ€“gonadal (BPG) axis in <i>Solea senegalensis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, S13.	0.8	0