David Mazurais

List of Publications by Year
in descending order

74	3,274	147801	161849
papers	citations	31 h-index	54 g-index

76	76	76	3741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of the impact of polyethylene microbeads ingestion in European sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387 Td (	2.5	289
2	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. Frontiers in Marine Science, 2018, 5, .	2.5	178
3	Dietary probiotic live yeast modulates antioxidant enzyme activities and gene expression of sea bass (Dicentrarchus labrax) larvae. Aquaculture, 2010, 300, 142-147.	3.5	162
4	Effects of the total replacement of fish-based diet with plant-based diet on the hepatic transcriptome of two European sea bass (Dicentrarchus labrax) half-sibfamilies showing different growth rates with the plant-based diet. BMC Genomics, 2011, 12, 522.	2.8	140
5	Cell Type-specific Localization of Human Cardiac S1P Receptors. Journal of Histochemistry and Cytochemistry, 2002, 50, 661-669.	2.5	114
6	Overview of vitamin D and C requirements in fish and their influence on the skeletal system. Aquaculture, 2011, 315, 49-60.	3.5	109
7	High or low dietary carbohydrate:protein ratios during first-feeding affect glucose metabolism and intestinal microbiota in juvenile rainbow trout. Journal of Experimental Biology, 2014, 217, 3396-3406.	1.7	107
8	Optimal levels of dietary vitamin A for reduced deformity incidence during development of European sea bass larvae (Dicentrarchus labrax) depend on malformation type. Aquaculture, 2009, 294, 262-270.	3.5	91
9	Central melatonin receptors in the rainbow trout: Comparative distribution of ligand binding and gene expression. , 1999, 409, 313-324.		83
10	De novo assembly, characterization and functional annotation of Senegalese sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (microarray. BMC Genomics, 2014, 15, 952.	2.8	83
11	Characterization of neuropeptide Y expression in the brain of a perciform fish, the sea bass (Dicentrarchus labrax). Journal of Chemical Neuroanatomy, 2000, 19, 197-210.	2.1	80
12	Gene Expression Patterns During the Larval Development of European Sea Bass (Dicentrarchus Labrax) by Microarray Analysis. Marine Biotechnology, 2008, 10, 416-428.	2.4	76
13	Temperature effects on gene expression and morphological development of European eel, Anguilla anguilla larvae. PLoS ONE, 2017, 12, e0182726.	2.5	70
14	Regulation of FADS2 expression and activity in European sea bass (Dicentrarchus labrax, L.) fed a vegetable diet. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 156, 237-243.	1.6	68
15	Dietary vitamin D3 affects digestive system ontogenesis and ossification in European sea bass (Dicentrachus labrax, Linnaeus, 1758). Aquaculture, 2010, 298, 300-307.	3.5	65
16	The effects of dietary carbohydrate sources and forms on metabolic response and intestinal microbiota in sea bass juveniles, Dicentrarchus labrax. Aquaculture, 2014, 422-423, 47-53.	3.5	60
17	Human p63RhoGEF, a novel RhoA-specific guanine nucleotide exchange factor, is localized in cardiac sarcomere. Journal of Cell Science, 2002, 115, 629-640.	2.0	55
18	A moderate threonine deficiency affects gene expression profile, paracellular permeability and glucose absorption capacity in the ileum of pigletsâ˜†â˜†â˜†. Journal of Nutritional Biochemistry, 2010, 21, 914-921.	4.2	54

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19	Microarray-Based Identification of Gonad Transcripts Differentially Expressed Between Lines of Pacific Oyster Selected to Be Resistant or Susceptible to Summer Mortality. Marine Biotechnology, 2010, 12, 326-339.	2.4	53
20	Double staining protocol for developing European sea bass (Dicentrarchus labrax) larvae. Journal of Applied Ichthyology, 2010, 26, 280-285.	0.7	50
21	Distribution of glutamic acid decarboxylase mRNA in the forebrain of the rainbow trout as studied by in situ hybridization. Journal of Comparative Neurology, 1999, 410, 277-289.	1.6	49
22	Dietary vitamin mix levels influence the ossification process in European sea bass (Dicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Physiology, 2008, 294, R520-R527.	1.8	48
23	Does broodstock nutritional history affect the response of progeny to different first-feeding diets? A whole-body transcriptomic study of rainbow trout alevins. British Journal of Nutrition, 2016, 115, 2079-2092.	2.3	48
24	Comparison of the effects of the dietary addition of two lactic acid bacteria on the development and conformation of sea bass larvae, Dicentrarchus labrax, and the influence on associated microbiota. Aquaculture, 2013, 376-379, 137-145.	3.5	46
25	Transcriptomics for understanding marine fish larval development¹This review is part of a virtual symposium on current topics in aquaculture of marine fish and shellfish.. Canadian Journal of Zoology, 2011, 89, 599-611.	1.0	45
26	Chronic dietary exposure to pyrolytic and petrogenic mixtures of PAHs causes physiological disruption in zebrafish - part I: Survival and growth. Environmental Science and Pollution Research, 2014, 21, 13804-13817.	5.3	43
27	The highly variable microbiota associated to intestinal mucosa correlates with growth and hypoxia resistance of sea bass, Dicentrarchus labrax, submitted to different nutritional histories. BMC Microbiology, 2016, 16, 266.	3.3	43
28	Characteristics of fads2 gene expression and putative promoter in European sea bass (Dicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 7-13.	1.1	42
29	Dysregulation of connexins and inactivation of NFATc1 in the cardiovascular system of Nkx2?5 null mutants. Journal of Molecular and Cellular Cardiology, 2005, 38, 787-798.	1.9	40
30	Genomic organization and alternative transcripts of the human Connexin40 gene. Gene, 2003, 305, 79-90.	2.2	39
31	Coordinated gene expression during gilthead sea bream skeletogenesis and its disruption by nutritional hypervitaminosis A. BMC Developmental Biology, 2011, 11, 7.	2.1	39
32	The effects of dietary marine protein hydrolysates on the development of sea bass larvae,Dicentrarchus labrax, and associated microbiota. Aquaculture Nutrition, 2015, 21, 98-104.	2.7	37
33	Hypoxic episode during the larval period has long-term effects on European sea bass juveniles (Dicentrarchus labrax). Marine Biology, 2015, 162, 367-376.	1.5	33
34	A first insight into genotype Ã— diet interactions in European sea bass (Dicentrarchus labrax L. 1756) in the context of plant-based diet use. Aquaculture Research, 2011, 42, 583-592.	1.8	31
35	Cloning, Tissue Expression Analysis, and Functional Characterization of Two Î”6-Desaturase Variants of Sea Bass (Dicentrarchus labrax L.). Marine Biotechnology, 2011, 13, 22-31.	2.4	31
36	Metabolic response to hypoxia in European sea bass (Dicentrarchus labrax) displays developmental plasticity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 215, 1-9.	1.6	31

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37	Molecular Ontogeny of First-Feeding European Eel Larvae. Frontiers in Physiology, 2018, 9, 1477.	2.8	31
38	Imbalanced dietary ascorbic acid alters molecular pathways involved in skeletogenesis of developing European sea bass (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 159, 46-55.	1.8	29
39	The development of contemporary European sea bass larvae (Dicentrarchus labrax) is not affected by projected ocean acidification scenarios. Marine Biology, 2017, 164, 155.	1.5	29
40	Hypoxia tolerance of common sole juveniles depends on dietary regime and temperature at the larval stage: evidence for environmental conditioning. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20123022.	2.6	28
41	An IrgafosÂ® 168 story: When the ubiquity of an additive prevents studying its leaching from plastics. Science of the Total Environment, 2020, 749, 141651.	8.0	27
42	Genomic organization and spatio-temporal expression of the hemoglobin genes in European sea bass (Dicentrarchus labrax). Marine Biology, 2017, 164, 1.	1.5	26
43	Temperature induced variation in gene expression of thyroid hormone receptors and deiodinases of European eel (Anguilla anguilla) larvae. General and Comparative Endocrinology, 2018, 259, 54-65.	1.8	24
44	Fish facing global change: are early stages the lifeline?. Marine Environmental Research, 2019, 147, 159-178.	2.5	24
45	In vivo effects of the soluble fraction of light cycle oil on immune functions in the European sea bass, Dicentrarchus labrax (LinnÃ©). Ecotoxicology and Environmental Safety, 2011, 74, 1896-1904.	6.0	23
46	Identification of Hypoxia-Regulated Genes in the Liver of Common Sole (Solea solea) Fed Different Dietary Lipid Contents. Marine Biotechnology, 2014, 16, 277-288.	2.4	23
47	Salinity reduction benefits European eel larvae: Insights at the morphological and molecular level. PLoS ONE, 2018, 13, e0198294.	2.5	23
48	Effects of Melatonin on Liver Estrogen Receptor and Vitellogenin Expression in Rainbow Trout: An in Vitro and in Vivo Study. General and Comparative Endocrinology, 2000, 118, 344-353.	1.8	22
49	Dietary Cholecalciferol Regulates the Recruitment and Growth of Skeletal Muscle Fibers and the Expressions of Myogenic Regulatory Factors and the Myosin Heavy Chain in European Sea Bass Larvae2. Journal of Nutrition, 2011, 141, 2146-2151.	2.9	22
50	Nutritional programming by dietary carbohydrates in European sea bass larvae: Not always what expected at juvenile stage. Aquaculture, 2019, 501, 441-447.	3.5	22
51	Interactions between candidate probiotics and the immune and antioxidative responses of European sea bass (Dicentrarchus labrax) larvae. Journal of Fish Diseases, 2016, 39, 1421-1432.	1.9	21
52	Expression ofclock gene in the brain of rainbow trout: Comparison with the distribution of melatonin receptors. Journal of Comparative Neurology, 2000, 422, 612-620.	1.6	20
53	Exposure to chronic moderate hypoxia impacts physiological and developmental traits of European sea bass (Dicentrarchus labrax) larvae. Fish Physiology and Biochemistry, 2015, 41, 233-242.	2.3	20
54	Early exposure to chronic hypoxia induces short and long-term regulation of hemoglobin gene expression in European sea bass (Dicentrarchus labrax). Journal of Experimental Biology, 2017, 220, 3119-3126.	1.7	20

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55	Expression of human ERG K channels in the mouse heart exerts anti-arrhythmic activity. Cardiovascular Research, 2005, 65, 128-137.	3.8	19
56	An early-life hypoxia event has a long-term impact on protein digestion and growth in European sea bass juvenile. Journal of Experimental Biology, 2017, 220, 1846-1851.	1.7	18
57	Moderate hypoxia but not warming conditions at larval stage induces adverse carry-over effects on hypoxia tolerance of European sea bass (Dicentrarchus labrax) juveniles. Marine Environmental Research, 2018, 138, 28-35.	2.5	18
58	Effect of vitamin A on the skeletal morphogenesis of European sea bass, Dicentrarchus labrax (Linnaeus, 1758). Aquaculture Research, 2011, 42, 684-692.	1.8	17
59	Depletion of Essential Fatty Acids in the Food Source Affects Aerobic Capacities of the Golden Grey Mullet Liza aurata in a Warming Seawater Context. PLoS ONE, 2015, 10, e0126489.	2.5	17
60	Abundance of specific mRNA transcripts impacts hatching success in European eel, Anguilla anguilla L. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 191, 59-65.	1.8	16
61	Does the chronic chemical contamination of a European flounder population decrease its thermal tolerance?. Marine Pollution Bulletin, 2015, 95, 658-664.	5.0	15
62	Reduced n-3 highly unsaturated fatty acids dietary content expected with global change reduces the metabolic capacity of the golden grey mullet. Marine Biology, 2014, 161, 2547-2562.	1.5	13
63	Transgenerational regulation of cbln11 gene expression in the olfactory rosette of the European sea bass (Dicentrarchus labrax) exposed to ocean acidification. Marine Environmental Research, 2020, 159, 105022.	2.5	13
64	Gene expression pattern of digestive and antioxidant enzymes during the larval development of reared Atlantic bluefin tuna (ABFT),Thunnus thynnusL.. Aquaculture Research, 2015, 46, 2323-2331.	1.8	12
65	Detection of new pathways involved in the acceptance and the utilisation of a plant-based diet in isogenic lines of rainbow trout fry. PLoS ONE, 2018, 13, e0201462.	2.5	11
66	Long-term exposure to near-future ocean acidification does not affect the expression of neurogenesis- and synaptic transmission-related genes in the olfactory bulb of European sea bass (Dicentrarchus labrax). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 161-167.	1.5	10
67	Cloning of endothelin-1 (ET-1) from European sea bass (Dicentrarchus labrax) and its gene expression analysis in larvae with retinoic acid-induced malformations. Aquaculture, 2009, 287, 169-173.	3.5	6
68	Balancing between Artemia and microdiet usage for normal skeletal development in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	6
69	The extensive transgenerational transcriptomic effects of ocean acidification on the olfactory epithelium of a marine fish are associated with a better viral resistance. BMC Genomics, 2022, 23, .	2.8	6
70	In Situ Hybridization. Methods in Molecular Biology, 2007, 366, 159-180.	0.9	5
71	Effect of thermal and nutritional conditions on fatty acid metabolism and oxidative stress response in juvenile European sea bass (Dicentrarchus labrax). Marine Biology, 2020, 167, 1.	1.5	2
72	CO2 induced seawater acidification impacts survival and development of European eel embryos. PLoS ONE, 2022, 17, e0267228.	2.5	2

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73	Effects of light cycle oils on immune parameters and on the expression of related genes in the European sea bass, Dicentrarchus labrax. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 150, S102.	1.8	0
74	Effect of long-term intergenerational exposure to ocean acidification on ompa and ompb transcripts expression in European seabass (Dicentrarchus labrax). Marine Environmental Research, 2021, 170, 105438.	2.5	0