Jaume Fernandez-Borras

List of Publications by Year
in descending order

54 papers	1,838 citations	218677 26 h-index	276875 41 g-index
55 all docs	55 docs citations	55 times ranked	1476 citing authors

#	Article	IF	Citations
1	Interaction between the Effects of Sustained Swimming Activity and Dietary Macronutrient Proportions on the Redox Status of Gilthead Sea Bream Juveniles (Sparus aurata L.). Antioxidants, 2022, 11, 319.	5.1	3
2	Mitochondrial Adaptation to Diet and Swimming Activity in Gilthead Seabream: Improved Nutritional Efficiency. Frontiers in Physiology, 2021, 12, 678985.	2.8	6
3	Diet and Exercise Modulate GH-IGFs Axis, Proteolytic Markers and Myogenic Regulatory Factors in Juveniles of Gilthead Sea Bream (Sparus aurata). Animals, 2021, 11, 2182.	2.3	7
4	Recombinant Bovine Growth Hormone-Induced Metabolic Remodelling Enhances Growth of Gilthead Sea-Bream (Sparus aurata): Insights from Stable Isotopes Composition and Proteomics. International Journal of Molecular Sciences, 2021, 22, 13107.	4.1	2
5	Evaluating mucus exudation dynamics through isotopic enrichment and turnover of skin mucus fractions in a marine fish model. , 2020, 8, coaa095.		4
6	Proteomic characterization of primary cultured myocytes in a fish model at different myogenesis stages. Scientific Reports, 2019, 9, 14126.	3.3	13
7	Sustained swimming enhances white muscle capillarisation and growth by hyperplasia in gilthead sea bream (Sparus aurata) fingerlings. Aquaculture, 2019, 501, 397-403.	3.5	14
8	A long-term growth hormone treatment stimulates growth and lipolysis in gilthead sea bream juveniles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 232, 67-78.	1.8	18
9	Using stable isotope analysis to study skin mucus exudation and renewal in fish. Journal of Experimental Biology, 2019, 222, .	1.7	11
10	Recombinant bovine growth hormone (rBGH) enhances somatic growth by regulating the GH-IGF axis in fingerlings of gilthead sea bream (Sparus aurata). General and Comparative Endocrinology, 2018, 257, 192-202.	1.8	36
11	Ghrelin and Its Receptors in Gilthead Sea Bream: Nutritional Regulation. Frontiers in Endocrinology, 2018, 9, 399.	3.5	17
12	Redox Challenge in a Cultured Temperate Marine Species During Low Temperature and Temperature Recovery. Frontiers in Physiology, 2018, 9, 923.	2.8	24
13	Cold-induced growth arrest in gilthead sea bream Sparus aurata: metabolic reorganisation and recovery. Aquaculture Environment Interactions, 2018, 10, 511-528.	1.8	14
14	Understanding fish muscle growth regulation to optimize aquaculture production. Aquaculture, 2017, 467, 28-40.	3.5	102
15	Moderate and sustained exercise modulates muscle proteolytic and myogenic markers in gilthead sea bream (<i>Sparus aurata</i>). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R643-R653.	1.8	22
16	Effects of sustained exercise on GH-IGFs axis in gilthead sea bream (<i>Sparus aurata</i>). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R313-R322.	1.8	32
17	Seasonal, ontogenetic and sexual changes in lipid metabolism of the small-spotted catshark (Scyliorhinus canicula) in deep-sea free-living conditions. Journal of Experimental Marine Biology and Ecology, 2016, 483, 59-63.	1.5	20
18	Growth-promoting effects of sustained swimming in fingerlings of gilthead sea bream (Sparus aurata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 185, 859-868.	1.5	43

#	Article	IF	Citations
19	Generic skills needs for graduate employment in the aquaculture, fisheries and related sectors in Europe. Aquaculture International, 2015, 23, 767-786.	2.2	8
20	Diets labelled with 13C-starch and 15N-protein reveal daily rhythms of nutrient use in gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 179, 95-103.	1.8	11
21	Effects of variable protein and lipid proportion in gilthead sea bream (<i>Sparus aurata</i>) diets on fillet structure and quality. Aquaculture Nutrition, 2013, 19, 368-381.	2.7	15
22	Effects of sustained swimming on the red and white muscle transcriptome of rainbow trout (Oncorhynchus mykiss) fed a carbohydrate-rich diet. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 510-521.	1.8	43
23	Insulin, IGF-I, and muscle MAPK pathway responses after sustained exercise and their contribution to growth and lipid metabolism regulation in gilthead sea bream. Domestic Animal Endocrinology, 2013, 45, 145-153.	1.6	25
24	Transcriptomic and Proteomic Response of Skeletal Muscle to Swimming-Induced Exercise in Fish. , 2013, , 237-256.		2
25	Naturally Occurring Stable Isotopes Reflect Changes in Protein Turnover and Growth in Gilthead Sea Bream (Sparus aurata) Juveniles under Different Dietary Protein Levels. Journal of Agricultural and Food Chemistry, 2013, 61, 8924-8933.	5.2	20
26	Tracing metabolic routes of dietary carbohydrate and protein in rainbow trout (<i>Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 gelatinisation of starches and sustained swimming. British Journal of Nutrition, 2012, 107, 834-844.	2.3	67
27	Beneficial effects of sustained activity on the use of dietary protein and carbohydrate traced with stable isotopes 15N and 13C in gilthead sea bream (Sparus aurata). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 183, 223-34.	1.5	23
28	New Insights into Fish Swimming: A Proteomic and Isotopic Approach in Gilthead Sea Bream. Journal of Proteome Research, 2012, 11, 3533-3547.	3.7	40
29	Stable Isotope Analysis Combined with Metabolic Indices Discriminates between Gilthead Sea Bream (<i>Sparus aurata</i>) Fingerlings Produced in Various Hatcheries. Journal of Agricultural and Food Chemistry, 2011, 59, 10261-10270.	5.2	7
30	Sustained swimming improves muscle growth and cellularity in gilthead sea bream. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 209-217.	1.5	91
31	Low-temperature challenges to gilthead sea bream culture: review of cold-induced alterations and â€˜Winter Syndromeâ€™. Reviews in Fish Biology and Fisheries, 2010, 20, 539-556.	4.9	116
32	Energy reserves and metabolic status affect the acclimation of gilthead sea bream (Sparus aurata) to cold. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 319-326.	1.8	38
33	Gilthead sea bream liver proteome altered at low temperatures by oxidative stress. Proteomics, 2010, 10, 963-975.	2.2	126
34	Natural abundance of¹⁵N and¹³C in fish tissues and the use of stable isotopes as dietary protein tracers in rainbow trout and gilthead sea bream. Aquaculture Nutrition, 2009, 15, 9-18.	2.7	32
35	Alterations in lipid metabolism and use of energy depots of gilthead sea bream (Sparus aurata) at low temperatures. Aquaculture, 2007, 262, 470-480.	3.5	66
36	Metabolic rate and tissue reserves in gilthead sea bream (<i>Sparus aurata</i>) under thermal fluctuations and fasting and their capacity for recovery. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 1034-1042.	1.4	33

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37	Effects of the protein/carbohydrate ratio of extruded diets on protein synthesis, protein growth and body composition in juvenile brown trout (Salmo trutta). Aquaculture International, 2006, 14, 337-353.	2.2	11
38	Cold-induced alterations on proximate composition and fatty acid profiles of several tissues in gilthead sea bream (Sparus aurata). Aquaculture, 2005, 249, 477-486.	3.5	71
39	Effects of low temperatures and fasting on hematology and plasma composition of gilthead sea bream (Sparus aurata). Fish Physiology and Biochemistry, 2003, 29, 105-115.	2.3	84
40	Oxygen consumption and feeding rates of gilthead sea bream (Sparus aurata) reveal lack of acclimation to cold. Fish Physiology and Biochemistry, 2003, 29, 313-321.	2.3	50
41	Functional alterations associated with â€œwinter syndromeâ€•in gilthead sea bream (Sparus aurata). Aquaculture, 2003, 223, 15-27.	3.5	74
42	Fate of plasma glucose in tissues of brown trout in vivo: effects of fasting and glucose loading. Fish Physiology and Biochemistry, 2001, 24, 247-258.	2.3	45
43	The effects of a temperature rise on oxygen consumption and energy budget in gilthead sea bream. Aquaculture International, 1997, 5, 415-426.	2.2	39
44	Plasma glucose kinetics and tissue uptake in brown trout in vivo: effect of an intravascular glucose load. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1996, 165, 534-541.	1.5	67
45	Variations in tissue reserves, plasma metabolites and pancreatic hormones during fasting in immature carp (Cyprinus carpio). Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 103, 357-363.	0.6	33
46	The effects of starvation and refeeding on plasma amino acid levels in carp, Cyprinus carpio L., 1758. Journal of Fish Biology, 1991, 38, 587-598.	1.6	30
47	Annual and daily variations of plasma cortisol in sea bass, Dicentrarchus labrax L.. Aquaculture, 1990, 91, 171-178.	3.5	45
48	Effect of bonito insulin injection on plasma immunoreactive glucagon levels and carbohydrate and lipid metabolism of sea bass (Dicentrarchus labrax). Comparative Biochemistry and Physiology A, Comparative Physiology, 1989, 94, 33-36.	0.6	14
49	Annual cycle of plasma lipids in sea bass, Dicentrarchus labrax L.: Effects of environmental conditions and reproductive cycle. Comparative Biochemistry and Physiology A, Comparative Physiology, 1989, 93, 407-412.	0.6	17
50	Seasonal variations of insulin and some metabolites in dogfish plasma, Scyliorhinus canicula, L. General and Comparative Endocrinology, 1988, 70, 1-8.	1.8	18
51	Amino acid levels in whole blood and plasma of Scyliorhinus canicula. Comparative Biochemistry and Physiology A, Comparative Physiology, 1987, 87, 57-61.	0.6	5
52	Annual cycle of plasma insulin and glucose of sea bass.Dicentrarchus labrax, L.. Fish Physiology and Biochemistry, 1987, 4, 137-141.	2.3	32
53	Plasma glucagon levels in different species of fish. General and Comparative Endocrinology, 1986, 63, 328-333.	1.8	40
54	Annual variations of some carbohydrate and lipid parameters in the fish Spicara chryselis during captivity. Comparative Biochemistry and Physiology A, Comparative Physiology, 1980, 67, 383-389.	0.6	10