

# MÃ³nica Beatriz Betancor

## List of Publications by Year in descending order

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52  
papers

1,886  
citations

257357

24  
h-index

265120

42  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Omega-3 Long-Chain Polyunsaturated Fatty Acids, EPA and DHA: Bridging the Gap between Supply and Demand. <i>Nutrients</i> , 2019, 11, 89.	1.7	351
2	Evaluation of a high-EPA oil from transgenic <i>Camelina sativa</i> in feeds for Atlantic salmon ( <i>Salmo salar</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1-12.	1.7	128
3	Replacement of Marine Fish Oil with <i>de novo</i> Omega-3 Oils from Transgenic <i>Camelina sativa</i> in Feeds for Gilthead Sea Bream ( <i>Sparus aurata</i> L.). <i>Lipids</i> , 2016, 51, 1171-1191.	0.7	89
4	Enhanced intestinal epithelial barrier health status on European sea bass ( <i>Dicentrarchus labrax</i> ) fed mannan oligosaccharides. <i>Fish and Shellfish Immunology</i> , 2013, 34, 1485-1495.	1.6	70
5	An oil containing EPA and DHA from transgenic <i>Camelina sativa</i> to replace marine fish oil in feeds for Atlantic salmon ( <i>Salmo salar</i> L.): Effects on intestinal transcriptome, histology, tissue fatty acid profiles and plasma biochemistry. <i>PLoS ONE</i> , 2017, 12, e0175415.	1.1	66
6	Nutritional Evaluation of an EPA-DHA Oil from Transgenic <i>Camelina sativa</i> in Feeds for Post-Smolt Atlantic Salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , 2016, 11, e0159934.	1.1	66
7	Biosynthesis of long-chain polyunsaturated fatty acids in the African catfish <i>Clarias gariepinus</i> : Molecular cloning and functional characterisation of fatty acyl desaturase ( <i>fads2</i> ) and elongase ( <i>elovl2</i> ) cDNAs. <i>Aquaculture</i> , 2016, 462, 70-79.	1.7	65
8	Influence of dietary docosahexaenoic acid in combination with other long-chain polyunsaturated fatty acids on expression of biosynthesis genes and phospholipid fatty acid compositions in tissues of post-smolt Atlantic salmon ( <i>Salmo salar</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 172-173, 74-89.	0.7	62
9	Effects of dietary limonene and thymol on the growth and nutritional physiology of Nile tilapia ( <i>Oreochromis niloticus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 81	1.7	61
10	Selenium inclusion decreases oxidative stress indicators and muscle injuries in sea bass larvae fed high-DHA microdiets. <i>British Journal of Nutrition</i> , 2012, 108, 2115-2128.	1.2	56
11	Oil from transgenic <i>Camelina sativa</i> containing over 25 % n-3 long-chain PUFA as the major lipid source in feed for Atlantic salmon ( <i>Salmo salar</i> ). <i>British Journal of Nutrition</i> , 2018, 119, 1378-1392.	1.2	49
12	A comparative analysis of the response of the hepatic transcriptome to dietary docosahexaenoic acid in Atlantic salmon ( <i>Salmo salar</i> ) post-smolts. <i>BMC Genomics</i> , 2015, 16, 684.	1.2	44
13	The compositional and metabolic responses of gilthead seabream ( <i>Sparus aurata</i> ) to a gradient of dietary fish oil and associated n-3 long-chain PUFA content. <i>British Journal of Nutrition</i> , 2017, 118, 1010-1022.	1.2	43
14	Fish oil replacement by different microalgal products in microdiets for early weaning of gilthead sea bream ( <i>Sparus aurata</i> , L.). <i>Aquaculture Research</i> , 2013, 44, 819-828.	0.9	42
15	Daily Rhythms in Expression of Genes of Hepatic Lipid Metabolism in Atlantic Salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , 2014, 9, e106739.	1.1	40
16	Selenium levels in early weaning diets for gilthead seabream larvae. <i>Aquaculture</i> , 2014, 426-427, 256-263.	1.7	40
17	Vitamin C Enhances Vitamin E Status and Reduces Oxidative Stress Indicators in Sea Bass Larvae Fed High DHA Microdiets. <i>Lipids</i> , 2012, 47, 1193-1207.	0.7	39
18	Agriculture can help aquaculture become greener. <i>Nature Food</i> , 2020, 1, 680-683.	6.2	33

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19	Dietary DHA/EPA ratio affects growth, tissue fatty acid profiles and expression of genes involved in lipid metabolism in mud crab <i>Scylla paramamosain</i> supplied with appropriate n-3 LC-PUFA at two lipid levels. <i>Aquaculture</i> , 2021, 532, 736028.	1.7	33
20	Modulation of the Expression of Components of the Stress Response by Dietary Arachidonic Acid in European Sea Bass ( <i>Dicentrarchus labrax</i> ) Larvae. <i>Lipids</i> , 2015, 50, 1029-1041.	0.7	28
21	Functional diversification of teleost Fads2 fatty acyl desaturases occurs independently of the trophic level. <i>Scientific Reports</i> , 2019, 9, 11199.	1.6	28
22	Potential of three new krill products for seabream larval production. <i>Aquaculture Research</i> , 2012, 43, 395-406.	0.9	27
23	DHA but not EPA, enhances sound induced escape behavior and Mauthner cells activity in <i>Sparus aurata</i> . <i>Physiology and Behavior</i> , 2014, 124, 65-71.	1.0	25
24	Effects of supplementation of decapod zoea to <i>Artemia</i> basal diet on fatty acid composition and digestive gland histology in common octopus ( <i>Octopus vulgaris</i> ) paralarvae. <i>Aquaculture Research</i> , 2017, 48, 633-645.	0.9	25
25	Effects of thermal stress on the expression of glucocorticoid receptor complex linked genes in Senegalese sole ( <i>Solea senegalensis</i> ): Acute and adaptive stress responses. <i>General and Comparative Endocrinology</i> , 2017, 252, 173-185.	0.8	25
26	Modulation of selenium tissue distribution and selenoprotein expression in Atlantic salmon ( <i>Salmo salar</i> L.) fed diets with graded levels of plant ingredients. <i>British Journal of Nutrition</i> , 2016, 115, 1325-1338.	1.2	24
27	A Transgenic <i>Camelina sativa</i> Seed Oil Effectively Replaces Fish Oil as a Dietary Source of Eicosapentaenoic Acid in Mice. <i>Journal of Nutrition</i> , 2016, 146, 227-235.	1.3	23
28	Increased Mauthner cell activity and escaping behaviour in seabream fed long-chain PUFA. <i>British Journal of Nutrition</i> , 2012, 107, 295-301.	1.2	22
29	Molecular and functional characterisation of a putative <i>elovl4</i> gene and its expression in response to dietary fatty acid profile in Atlantic bluefin tuna ( <i>Thunnus thynnus</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 240, 110372.	0.7	22
30	Lipid metabolism-related gene expression pattern of Atlantic bluefin tuna ( <i>Thunnus thynnus</i> L.) larvae fed on live prey. <i>Fish Physiology and Biochemistry</i> , 2017, 43, 493-516.	0.9	21
31	Assessment of a land-locked Atlantic salmon ( <i>Salmo salar</i> L.) population as a potential genetic resource with a focus on long-chain polyunsaturated fatty acid biosynthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 227-238.	1.2	20
32	Roles of selenoprotein antioxidant protection in zebrafish, <i>Danio rerio</i> , subjected to dietary oxidative stress. <i>Fish Physiology and Biochemistry</i> , 2015, 41, 705-720.	0.9	19
33	Effect of increasing docosahexaenoic acid content in weaning diets on survival, growth and skeletal anomalies of longfin yellowtail ( <i>Seriola rivoliana</i> , Valenciennes 1833). <i>Aquaculture Research</i> , 2018, 49, 1200-1209.	0.9	19
34	Effect of dietary oil from <i>Camelina sativa</i> on the growth performance, fillet fatty acid profile and gut microbiome of gilthead Sea bream ( <i>Sparus aurata</i> ). <i>PeerJ</i> , 2020, 8, e10430.	0.9	19
35	Endogenous production of n-3 long-chain PUFA from first feeding and the influence of dietary linoleic acid and the $\pm$ -linolenic:linoleic ratio in Atlantic salmon ( <i>Salmo salar</i> ). <i>British Journal of Nutrition</i> , 2019, 122, 1091-1102.	1.2	16
36	Molecular aspects of lipid metabolism, digestibility and antioxidant status of Atlantic bluefin tuna (T.)	1.7	12

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37	Encapsulated Fish Oil Products Available in the UK Meet Regulatory Guidelines With Respect to EPAâ€™s DHA Contents and Oxidative Status. <i>European Journal of Lipid Science and Technology</i> , 2018, 120,1.0 1800105.		12
38	Central and peripheral clocks in Atlantic bluefin tuna ( <i>Thunnus thynnus</i> , L.): Daily rhythmicity of hepatic lipid metabolism and digestive genes. <i>Aquaculture</i> , 2020, 523, 735220.	1.7	12
39	Performance, feed utilization, and hepatic metabolic response of weaned juvenile Atlantic bluefin tuna ( <i>Thunnus thynnus</i> L.): effects of dietary lipid level and source. <i>Fish Physiology and Biochemistry</i> , 2019, 45, 697-718.	0.9	11
40	Tolerance and dose-response assessment of subchronic dietary ethoxyquin exposure in Atlantic salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , 2019, 14, e0211128.	1.1	10
41	Evaluation of different feeding protocols for larvae of Atlantic bluefin tuna ( <i>Thunnus thynnus</i> L.). <i>Aquaculture</i> , 2019, 505, 523-538.	1.7	10
42	The effects of combined phytochemicals on growth and nutritional physiology of Nile tilapia <i>Oreochromis niloticus</i> . <i>Aquaculture</i> , 2020, 519, 734867.	1.7	10
43	Development of a C18 Supercritical Fluid Chromatography-Tandem Mass Spectrometry Methodology for the Analysis of Very-Long-Chain Polyunsaturated Fatty Acid Lipid Matrices and Its Application to Fish Oil Substitutes Derived from Genetically Modified Oilseeds in the Aquaculture Sector. <i>ACS Omega</i> , 2020, 5, 22289-22298.	1.6	8
44	Dietary DHA and ARA level and ratio affect the occurrence of skeletal anomalies in pikeperch larvae ( <i>Sander lucioperca</i> ) through a regulation of immunity and stress related gene expression. <i>Aquaculture</i> , 2021, 544, 737060.	1.7	8
45	Effects of dietary fatty acids on mitochondrial phospholipid compositions, oxidative status and mitochondrial gene expression of zebrafish at different ages. <i>Fish Physiology and Biochemistry</i> , 2015, 41, 1187-1204.	0.9	6
46	Physiological pathways involved in nutritional muscle dystrophy and healing in European sea bass ( <i>Dicentrarchus labrax</i> ) larvae. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 164, 399-409.	0.8	4
47	Taurine metabolism and effects of inclusion levels in rotifer ( <i>Brachionus rotundiformis</i> ), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 353-363.	1.7	4
48	A comparison of the use of different swab materials for optimal diagnosis of amoebic gill disease (AGD) in Atlantic salmon ( <i>Salmo salar</i> L.). <i>Journal of Fish Diseases</i> , 2020, 43, 1463-1472.	0.9	4
49	The nutritional and cardiovascular health benefits of rapeseed oil-fed farmed salmon in humans are not decreased compared with those of traditionally farmed salmon: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 2063-2075.	1.8	4
50	Influence of Dietary Lipids and Environmental Salinity on the n-3 Long-Chain Polyunsaturated Fatty Acids Biosynthesis Capacity of the Marine Teleost <i>Solea senegalensis</i> . <i>Marine Drugs</i> , 2021, 19, 254.	2.2	4
51	Daily rhythms in the morphometric parameters of hepatocytes and intestine of the European sea bass ( <i>Dicentrarchus labrax</i> ): influence of feeding time and hepatic zonation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 503-515.	0.7	3
52	The effect of fish stocking density and dietary supplementation of vitamin C and micronutrients (Mn, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0.9 1	0.9	1