

# Mnica Beatriz Betancor

## 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.

52  
papers

1,297  
citations

20  
h-index

35  
g-index

54  
ext. papers

1,616  
ext. citations

3.6  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
52	Influence of Dietary Lipids and Environmental Salinity on the n-3 Long-Chain Polyunsaturated Fatty Acids Biosynthesis Capacity of the Marine Teleost. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	1
51	The effect of fish stocking density and dietary supplementation of vitamin C and micronutrients (Mn, Zn and Se) on the development of systemic granulomatosis in juvenile meagre ( <i>Argyrosomus regius</i> ). <i>Aquaculture Research</i> , <b>2021</b> , 52, 5703	1.9	0
50	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> , <b>2021</b> , 532, 736028	4.4	13
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> , <b>2021</b> , 60, 2063-2075	5.2	2
48	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> , <b>2021</b> , 191, 503-515	2.2	1
47	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> , <b>2021</b> , 544, 737060	4.4	1
46	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> , <b>2020</b> , 523, 735220	4.4	5
45	Effect of dietary oil from on the growth performance, fillet fatty acid profile and gut microbiome of gilthead Sea bream (). <i>PeerJ</i> , <b>2020</b> , 8, e10430	3.1	7
44	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> , <b>2020</b> , 240, 110372	2.3	15
43	The effects of combined phytogenics on growth and nutritional physiology of Nile tilapia <i>Oreochromis niloticus</i> . <i>Aquaculture</i> , <b>2020</b> , 519, 734867	4.4	6
42	Agriculture can help aquaculture become greener. <i>Nature Food</i> , <b>2020</b> , 1, 680-683	14.4	7
41	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> , <b>2020</b> , 43, 1463-1472	2.6	2
40	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> , <b>2020</b> , 5, 22289-22298	3.9	5
39	Tolerance and dose-response assessment of subchronic dietary ethoxyquin exposure in Atlantic salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , <b>2019</b> , 14, e0211128	3.7	4
38	Taurine metabolism and effects of inclusion levels in rotifer ( <i>Brachionus rotundiformis</i> , Tschugunoff, 1921) on Atlantic bluefin tuna ( <i>Thunnus thynnus</i> , L.) larvae. <i>Aquaculture</i> , <b>2019</b> , 510, 353-363	4.4	2
37	Evaluation of different feeding protocols for larvae of Atlantic bluefin tuna ( <i>Thunnus thynnus</i> L.). <i>Aquaculture</i> , <b>2019</b> , 505, 523-538	4.4	7
36	Functional diversification of teleost <i>Fads2</i> fatty acyl desaturases occurs independently of the trophic level. <i>Scientific Reports</i> , <b>2019</b> , 9, 11199	4.9	20

35	Endogenous production of -3 long-chain PUFA from first feeding and the influence of dietary linoleic acid and the -linolenic:linoleic ratio in Atlantic salmon (). <i>British Journal of Nutrition</i> , <b>2019</b> , 122, 1091-1102	3.6	9
34	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> , <b>2019</b> , 45, 697-718	2.7	5
33	Omega-3 Long-Chain Polyunsaturated Fatty Acids, EPA and DHA: Bridging the Gap between Supply and Demand. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	209
32	Effects of dietary limonene and thymol on the growth and nutritional physiology of Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquaculture</i> , <b>2018</b> , 488, 217-226	4.4	32
31	Encapsulated Fish Oil Products Available in the UK Meet Regulatory Guidelines With Respect to EPA + DHA Contents and Oxidative Status. <i>European Journal of Lipid Science and Technology</i> , <b>2018</b> , 120, 1800105	3	7
30	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> , <b>2018</b> , 49, 1200-1209	1.9	13
29	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> , <b>2018</b> , 119, 1378-1392	3.6	33
28	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> , <b>2017</b> , 48, 633-645	1.9	20
27	Molecular aspects of lipid metabolism, digestibility and antioxidant status of Atlantic bluefin tuna ( <i>T. thynnus</i> L.) larvae during first feeding. <i>Aquaculture</i> , <b>2017</b> , 479, 357-369	4.4	9
26	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> , <b>2017</b> , 12, e0175415	3.7	50
25	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> , <b>2017</b> , 118, 1010-1022	3.6	37
24	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> , <b>2017</b> , 252, 173-185	3	18
23	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> , <b>2017</b> , 43, 493-516	2.7	16
22	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> , <b>2016</b> , 1861, 227-38	5	14
21	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> , <b>2016</b> , 11, e0159934	3.7	47
20	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> , <b>2016</b> , 115, 1325-38	3.6	19
19	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> , <b>2016</b> , 462, 70-79	4.4	57
18	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> , <b>2016</b> , 146, 227-35	4.1	17

17	Replacement of Marine Fish Oil with de novo Omega-3 Oils from Transgenic Camelina sativa in Feeds for Gilthead Sea Bream ( <i>Sparus aurata</i> L.). <i>Lipids</i> , <b>2016</b> , 51, 1171-1191	1.6	69
16	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> , <b>2015</b> , 41, 1187-204	2.7	6
15	Roles of selenoprotein antioxidant protection in zebrafish, <i>Danio rerio</i> , subjected to dietary oxidative stress. <i>Fish Physiology and Biochemistry</i> , <b>2015</b> , 41, 705-20	2.7	16
14	Evaluation of a high-EPA oil from transgenic in feeds for Atlantic salmon (L.): Effects on tissue fatty acid composition, histology and gene expression. <i>Aquaculture</i> , <b>2015</b> , 444, 1-12	4.4	106
13	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> , <b>2015</b> , 50, 1029-41	1.6	20
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> , <b>2015</b> , 16, 684	4.5	28
11	DHA but not EPA, enhances sound induced escape behavior and Mauthner cells activity in <i>Sparus aurata</i> . <i>Physiology and Behavior</i> , <b>2014</b> , 124, 65-71	3.5	20
10	Selenium levels in early weaning diets for gilthead seabream larvae. <i>Aquaculture</i> , <b>2014</b> , 426-427, 256-263	4.4	30
9	Daily rhythms in expression of genes of hepatic lipid metabolism in Atlantic salmon ( <i>Salmo salar</i> L.). <i>PLoS ONE</i> , <b>2014</b> , 9, e106739	3.7	34
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> , <b>2014</b> , 172-173, 74-89	2.3	52
7	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> , <b>2013</b> , 44, 819-828	1.9	29
6	Enhanced intestinal epithelial barrier health status on European sea bass ( <i>Dicentrarchus labrax</i> ) fed mannan oligosaccharides. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 1485-95	4.3	52
5	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> , <b>2013</b> , 164, 399-409	2.6	3
4	Potential of three new krill products for seabream larval production. <i>Aquaculture Research</i> , <b>2012</b> , 43, 395-406	1.9	20
3	Vitamin C enhances vitamin E status and reduces oxidative stress indicators in sea bass larvae fed high DHA microdiets. <i>Lipids</i> , <b>2012</b> , 47, 1193-207	1.6	30
2	Selenium inclusion decreases oxidative stress indicators and muscle injuries in sea bass larvae fed high-DHA microdiets. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 2115-28	3.6	47
1	Increased Mauthner cell activity and escaping behaviour in seabream fed long-chain PUFA. <i>British Journal of Nutrition</i> , <b>2012</b> , 107, 295-301	3.6	18