

# Marie-Laure Begout

## List of Publications by Year in descending order

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92  
papers

2,515  
citations

147566

31  
h-index

253896

43  
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94  
all docs

94  
docs citations

94  
times ranked

2708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coping styles in farmed fish: consequences for aquaculture. <i>Reviews in Aquaculture</i> , 2017, 9, 23-41.	4.6	137
2	Systematic Screening of Behavioral Responses in Two Zebrafish Strains. <i>Zebrafish</i> , 2013, 10, 365-375.	0.5	117
3	Activity patterns, home-range size, and habitat utilization of <i>Sarpa salpa</i> (Teleostei: Sparidae) in the Mediterranean Sea. <i>ICES Journal of Marine Science</i> , 2006, 63, 128-139.	1.2	96
4	De novo assembly, characterization and functional annotation of Senegalese sole ( <i>Solea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (microarray). <i>BMC Genomics</i> , 2014, 15, 952.	1.2	83
5	Organic contaminants sorbed to microplastics affect marine medaka fish early life stages development. <i>Marine Pollution Bulletin</i> , 2020, 154, 111059.	2.3	77
6	Measuring cultured fish swimming behaviour: first results on rainbow trout using acoustic telemetry in tanks. <i>Aquaculture</i> , 2004, 240, 175-186.	1.7	76
7	Long-term disruption of growth, reproduction, and behavior after embryonic exposure of zebrafish to PAH-spiked sediment. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13877-13887.	2.7	62
8	Coping styles in European sea bass: The link between boldness, stress response and neurogenesis. <i>Physiology and Behavior</i> , 2019, 207, 76-85.	1.0	56
9	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111665.	2.9	54
10	Exploration behaviour and flight response toward a stimulus in three sea bass strains ( <i>Dicentrarchus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (	0.8	53
11	Chronic dietary exposure to pyrolytic and petrogenic mixtures of PAHs causes physiological disruption in zebrafishâ€”part II: behavior. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13818-13832.	2.7	49
12	Long-term monitoring of individual fish triggering activity on a self-feeding system: An example using European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Aquaculture</i> , 2006, 253, 385-392.	1.7	47
13	An assessment of the upstream migration and reproductive behaviour of allis shad ( <i>Alosa alosa</i> L.) using acoustic tracking. <i>ICES Journal of Marine Science</i> , 2004, 61, 1291-1304.	1.2	45
14	Long-term dietary-exposure to non-coplanar PCBs induces behavioral disruptions in adult zebrafish and their offspring. <i>Neurotoxicology and Teratology</i> , 2013, 39, 45-56.	1.2	45
15	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. <i>Journal of Hazardous Materials</i> , 2021, 415, 125626.	6.5	45
16	Riskâ€”taking behaviour variation over time in sea bass <i>Dicentrarchus labrax</i> : effects of dayâ€”night alternation, fish phenotypic characteristics and selection for growth. <i>Journal of Fish Biology</i> , 2009, 75, 1733-1749.	0.7	44
17	Demand feeding and welfare in farmed fish. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 107-118.	0.9	44
18	Chronic dietary exposure to pyrolytic and petrogenic mixtures of PAHs causes physiological disruption in zebrafish - part I: Survival and growth. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13804-13817.	2.7	43

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19	Consistency in European seabass coping styles: A life-history approach. <i>Applied Animal Behaviour Science</i> , 2015, 167, 74-88.	0.8	43
20	Fish life-history traits are affected after chronic dietary exposure to an environmentally realistic marine mixture of PCBs and PBDEs. <i>Science of the Total Environment</i> , 2018, 610-611, 531-545.	3.9	43
21	Variability in appetite of turbot, <i>Scophthalmus maximus</i> under intensive rearing conditions: the role of environmental factors. <i>Aquaculture</i> , 1998, 165, 123-138.	1.7	42
22	Examining multi- and transgenerational behavioral and molecular alterations resulting from parental exposure to an environmental PCB and PBDE mixture. <i>Aquatic Toxicology</i> , 2019, 208, 29-38.	1.9	42
23	Early life behavioural differences in wild caught and domesticated sea bass ( <i>Dicentrarchus labrax</i> ). <i>Applied Animal Behaviour Science</i> , 2012, 141, 79-90.	0.8	41
24	Feed demand behavior in sea bass juveniles: Effects on individual specific growth rate variation and health (inter-individual and inter-group variation). <i>Aquaculture</i> , 2008, 274, 87-95.	1.7	39
25	Feasibility of otolith markings in large juvenile turbot, <i>Scophthalmus maximus</i> , using immersion in alizarin-red S solutions. <i>ICES Journal of Marine Science</i> , 2000, 57, 1175-1181.	1.2	37
26	Electronic individual identification of zebrafish using radio frequency identification (RFID) microtags. <i>Journal of Experimental Biology</i> , 2012, 215, 2729-2734.	0.8	37
27	Tagging juvenile seabass and sole with telemetry transmitters: medium-term effects on growth. <i>ICES Journal of Marine Science</i> , 2003, 60, 1328-1334.	1.2	36
28	Heritability of Boldness and Hypoxia Avoidance in European Seabass, <i>Dicentrarchus labrax</i> . <i>PLoS ONE</i> , 2016, 11, e0168506.	1.1	35
29	Individual fish rhythm directs group feeding: a case study with sea bass juveniles ( <i>Dicentrarchus</i> )	0.5	34
30	Exposures of zebrafish through diet to three environmentally relevant mixtures of PAHs produce behavioral disruptions in unexposed F1 and F2 descendant. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16371-16383.	2.7	34
31	Upstream migration and reproductive patterns of a population of allis shad in a small river (L'Aulne)	1.2	33
32	Evaluation of behavioral changes induced by a first step of domestication or selection for growth in the European sea bass ( <i>Dicentrarchus labrax</i> ): A self-feeding approach under repeated acute stress. <i>Aquaculture</i> , 2010, 306, 211-217.	1.7	33
33	First links between self-feeding behaviour and personality traits in European seabass, <i>Dicentrarchus labrax</i> . <i>Applied Animal Behaviour Science</i> , 2014, 161, 131-141.	0.8	30
34	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish ( <i>Danio rerio</i> ). <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	28
35	Spatial distribution and activity patterns as welfare indicators in response to water quality changes in European sea bass, <i>Dicentrarchus labrax</i> . <i>Applied Animal Behaviour Science</i> , 2020, 226, 104974.	0.8	28
36	Influence of Wind-produced Noise on Orientation in the Sole ( <i>Solea solea</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 1258-1264.	0.7	27

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37	Assessment of Genetic Variability of Fish Personality Traits using Rainbow Trout Isogenic Lines. <i>Behavior Genetics</i> , 2014, 44, 383-393.	1.4	25
38	Innovative behaviour in fish: Atlantic cod can learn to use an external tag to manipulate a self-feeder. <i>Animal Cognition</i> , 2014, 17, 779-785.	0.9	24
39	Enhanced brain expression of genes related to cell proliferation and neural differentiation is associated with cortisol receptor expression in fishes. <i>General and Comparative Endocrinology</i> , 2018, 267, 76-81.	0.8	24
40	Physiological response in different strains of sea bass ( <i>Dicentrarchus labrax</i> ): Swimming and aerobic metabolic capacities. <i>Aquaculture</i> , 2011, 317, 162-167.	1.7	23
41	Self-feeding behaviour and personality traits in tilapia: A comparative study between <i>Oreochromis niloticus</i> and <i>Sarotherodon melanotheron</i> . <i>Applied Animal Behaviour Science</i> , 2017, 187, 85-92.	0.8	23
42	Changes in Brain Monoamines Underlie Behavioural Disruptions after Zebrafish Diet Exposure to Polycyclic Aromatic Hydrocarbons Environmental Mixtures. <i>International Journal of Molecular Sciences</i> , 2017, 18, 560.	1.8	22
43	An acoustic telemetry study of seabream ( <i>Sparus aurata</i> L.): first results on activity rhythm, effects of environmental variables and space utilization. <i>Hydrobiologia</i> , 1995, 300-301, 417-423.	1.0	21
44	Fish Reproduction Is Disrupted upon Lifelong Exposure to Environmental PAHs Fractions Revealing Different Modes of Action. <i>Toxics</i> , 2016, 4, 26.	1.6	21
45	An environmentally relevant mixture of polychlorinated biphenyls (PCBs) and polybrominated diphenylethers (PBDEs) disrupts mitochondrial function, lipid metabolism and neurotransmission in the brain of exposed zebrafish and their unexposed F2 offspring. <i>Science of the Total Environment</i> , 2021, 754, 142097.	3.9	21
46	Habitat preferences and residence time for the freshwater to ocean transition stage in Arctic charr. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1999, 79, 153-160.	0.4	20
47	Effect of size grading on sea bass ( <i>Dicentrarchus labrax</i> ) juvenile self-feeding behaviour, social structure and culture performance. <i>Aquatic Living Resources</i> , 2011, 24, 391-402.	0.5	20
48	Fish welfare assurance system: initial steps to set up an effective tool to safeguard and monitor farmed fish welfare at a company level. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 243-257.	0.9	20
49	First Insight into Exploration and Cognition in Wild Caught and Domesticated Sea Bass ( <i>Dicentrarchus labrax</i> ) in a Maze. <i>PLoS ONE</i> , 2013, 8, e65872.	1.1	20
50	Feeding Responses of Hatchery-Reared Gilthead Sea Bream ( <i>Sparus aurata</i> L.) to a Commercial Diet and Natural Prey Items. <i>Marine and Freshwater Behaviour and Physiology</i> , 2003, 36, 77-86.	0.4	19
51	Temporal changes in lipid condition and parasitic infection by digenean metacercariae of young-of-year common sole <i>Solea solea</i> (L.) in an Atlantic nursery ground (Bay of Biscay, France). <i>Journal of Sea Research</i> , 2007, 57, 162-170.	0.6	19
52	Effect of fasting on self-feeding activity in juvenile sea bass ( <i>Dicentrarchus labrax</i> ). <i>Applied Animal Behaviour Science</i> , 2012, 136, 63-73.	0.8	17
53	Microplastics and sorbed contaminants – Trophic exposure in fish sensitive early life stages. <i>Marine Environmental Research</i> , 2020, 161, 105126.	1.1	17
54	Allis shad ( <i>Alosa alosa</i> ) exhibit an intensity-graded behavioral response when exposed to ultrasound. <i>Journal of the Acoustical Society of America</i> , 2008, 124, EL243-EL247.	0.5	16

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55	Poor oxic conditions in a large estuary reduce connectivity from marine to freshwater habitats of a diadromous fish. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 216-226.	0.9	16
56	Prospective severity classification of scientific procedures in cephalopods: Report of a COST FA1301 Working Group survey. <i>Laboratory Animals</i> , 2019, 53, 541-563.	0.5	16
57	Environmental microplastics disrupt swimming activity in acute exposure in <i>Danio rerio</i> larvae and reduce growth and reproduction success in chronic exposure in <i>D. rerio</i> and <i>Oryzias melastigma</i> . <i>Environmental Pollution</i> , 2022, 308, 119721.	3.7	16
58	Early individual electronic identification of sea bass using RFID microtags: A first example of early phenotyping of sex-related growth. <i>Aquaculture</i> , 2014, 426-427, 165-171.	1.7	15
59	Low temperature has opposite effects on sex determination in a marine fish at the larval/postlarval and juvenile stages. <i>Ecology and Evolution</i> , 2020, 10, 13825-13835.	0.8	15
60	Global assessment of the response to chronic stress in European sea bass. <i>Aquaculture</i> , 2021, 544, 737072.	1.7	15
61	Physiological responses during acute stress recovery depend on stress coping style in European sea bass, <i>Dicentrarchus labrax</i> . <i>Physiology and Behavior</i> , 2020, 216, 112801.	1.0	14
62	Testing the potential effects of shellfish farming on swimming activity and spatial distribution of sole ( <i>Solea solea</i> ) in a mesocosm. <i>ICES Journal of Marine Science</i> , 2006, 63, 1014-1028.	1.2	13
63	Digenean metacercariae parasites as natural tags of habitat use by 0-group common sole <i>Solea solea</i> in nearshore coastal areas: A case study in the embayed system of the Pertuis Charentais (Bay of Biscay). <i>Tj ETQq1 1 @784314 1gBT /Ov</i>		
64	First insight into personality traits in Northern pike ( <i>Esox lucius</i> ) larvae: a basis for behavioural studies of early life stages. <i>Environmental Biology of Fishes</i> , 2016, 99, 105-115.	0.4	13
65	Genetic variability of environmental sensitivity revealed by phenotypic variation in body weight and (its) correlations to physiological and behavioral traits. <i>PLoS ONE</i> , 2017, 12, e0189943.	1.1	13
66	Agonistic behaviour and feed efficiency in juvenile Nile tilapia <i>Oreochromis niloticus</i> . <i>Aquaculture</i> , 2019, 505, 271-279.	1.7	12
67	Comparison of <i>Solea solea</i> macroparasites between two nursery-continental shelf systems in the Bay of Biscay and the Portuguese coast. <i>Journal of Fish Biology</i> , 2007, 70, 1921-1930.	0.7	11
68	Self-feeding behavior changes induced by a first and a second generation of domestication or selection for growth in the European sea bass, <i>Dicentrarchus labrax</i> . <i>Aquatic Living Resources</i> , 2011, 24, 53-61.	0.5	11
69	Zebrafish <i>Danio rerio</i> shows behavioural cross-context consistency at larval and juvenile stages but no consistency between stages. <i>Journal of Fish Biology</i> , 2020, 96, 1411-1421.	0.7	11
70	Variabilit� m�t�orologique et hydrologique. Cons�quences sur l'activit� natatoire d'un poisson marin. <i>Comptes Rendus De L'Acad�mie Des Sciences S�rie 3, Sciences De La Vie</i> , 1998, 321, 641-648.	0.8	10
71	Unpredictability in food supply during early life influences growth and boldness in European seabass, <i>Dicentrarchus labrax</i> . <i>Applied Animal Behaviour Science</i> , 2016, 180, 147-156.	0.8	10
72	The shy prefer familiar congeners. <i>Behavioural Processes</i> , 2016, 126, 113-120.	0.5	10

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73	Evaluation of self-feeders as a tool to study diet preferences in groups of Atlantic cod ( <i>Gadus</i> )	0.784314	9
74	Genetic differences for behaviour in juveniles from two strains of brown trout suggest an effect of domestication history. <i>Applied Animal Behaviour Science</i> , 2013, 147, 235-242.	0.8	9
75	Trophic ecology of commercial-size meagre, <i>Argyrosomus regius</i> , in the Bay of Biscay (NE)	0.784314	9
76	Analysis across diverse fish species highlights no conserved transcriptome signature for proactive behaviour. <i>BMC Genomics</i> , 2021, 22, 33.	1.2	8
77	Phenotypic and genetic differentiation in young-of-the-year common sole ( <i>Solea solea</i> ) at differentially contaminated nursery grounds. <i>Marine Environmental Research</i> , 2011, 71, 195-206.	1.1	7
78	Impact of a plant-based diet on behavioural and physiological traits in sea bass ( <i>Dicentrarchus</i> )	0.0	10
79	Sedentary behaviour establishment in O-group common sole <i>Solea solea</i> : a laboratory video-tracking study. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2010, 90, 1257-1262.	0.4	6
80	Transcriptomic profiles of consistent risk-taking behaviour across time and contexts in European sea bass. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220399.	1.2	6
81	Reproductive behaviour of two tilapia species ( <i>Oreochromis niloticus</i> , Linn�, 1758; <i>Sarotherodon</i> )	0.784314	5
82	Evaluation of different tags on survival, growth and stress response in the flatfish Senegalese sole. <i>Aquaculture</i> , 2018, 494, 10-18.	1.7	5
83	Influence of Light Preferences on the Avoidance Responses of Lake Whitefish, <i>Coregonus clupeaformis</i> , to Cadmium. <i>Environmental Biology of Fishes</i> , 1999, 55, 295-306.	0.4	4
84	Relationship between individual and group learning in a marine teleost: A case study with sea bass under self-feeding conditions. <i>Learning and Behavior</i> , 2017, 45, 276-286.	0.5	3
85	Acoustic signals produced by Nile tilapia <i>Oreochromis niloticus</i> and black-chinned tilapia <i>Sarotherodon melanotheron</i> during intra- and interspecific pairings. <i>Zoology</i> , 2020, 143, 125831.	0.6	3
86	Effects of T-bar and DST Tagging on Survival and Growth of European Hake. <i>Reviews: Methods and Technologies in Fish Biology and Fisheries</i> , 2009, , 181-193.	0.6	3
87	Unfamiliar Congener used as a Visual Attractor in Wild Caught and Domesticated Sea Bass ( <i>Dicentrarchus labrax</i> ) Placed in a T-Maze. <i>Journal of Aquaculture Research &amp; Development</i> , 2012, 04, .	0.4	3
88	A review of the effects of contamination and temperature in <i>Solea solea</i> larvae. Modeling perspectives in the context of climate change. <i>Journal of Sea Research</i> , 2021, 176, 102101.	0.6	2
89	Spatial variability in digenean metacercariae infection of O-group common sole <i>Solea solea</i> among nurseries along the French Atlantic coast. <i>Diseases of Aquatic Organisms</i> , 2007, 75, 221-228.	0.5	2
90	Fish, Amphibian, and Reptile Tool Use. , 2021, , 3140-3145.		0

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91	Fish, Amphibian, and Reptile Tool Use. , 2016, , 1-6.		0
92	Familiarity reduces aggression but does not modify acoustic communication in pairs of Nile tilapia ( <i>Oreochromis niloticus</i> ) <i>Journal of Experimental Biology</i> , 2021, , .	0.7	0