Manuel Gesto

List of Publications by Year
in descending order

56 papers	1,628 citations	257101 24 h-index	315357 38 g-index
56 all docs	56 docs citations	56 times ranked	1654 citing authors

#	Article	IF	Citations
1	Temperature increase and its effects on fish stress physiology in the context of global warming. Journal of Fish Biology, 2021, 98, 1496-1508.	0.7	197
2	The response of brain serotonergic and dopaminergic systems to an acute stressor in rainbow trout: a time-course study. Journal of Experimental Biology, 2013, 216, 4435-42.	0.8	90
3	Acute and prolonged stress responses of brain monoaminergic activity and plasma cortisol levels in rainbow trout are modified by PAHs (naphthalene, Î²-naphthoflavone and benzo(a)pyrene) treatment. Aquatic Toxicology, 2008, 86, 341-351.	1.9	86
4	Physiological roles of tryptophan in teleosts: current knowledge and perspectives for future studies. Reviews in Aquaculture, 2019, 11, 3-24.	4.6	80
5	Î²-Naphthoflavone and benzo(a)pyrene treatment affect liver intermediary metabolism and plasma cortisol levels in rainbow trout Oncorhynchus mykiss. Ecotoxicology and Environmental Safety, 2008, 69, 180-186.	2.9	58
6	The Antidepressant Venlafaxine Disrupts Brain Monoamine Levels and Neuroendocrine Responses to Stress in Rainbow Trout. Environmental Science & Technology, 2014, 48, 13434-13442.	4.6	56
7	Coping styles in European sea bass: The link between boldness, stress response and neurogenesis. Physiology and Behavior, 2019, 207, 76-85.	1.0	56
8	Short-term time course of liver metabolic response to acute handling stress in rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 168, 40-49.	0.8	54
9	Environmental levels of the antidepressant venlafaxine impact the metabolic capacity of rainbow trout. Aquatic Toxicology, 2014, 155, 190-198.	1.9	50
10	Chronic effects of clofibric acid in zebrafish (Danio rerio): A multigenerational study. Aquatic Toxicology, 2015, 160, 76-86.	1.9	49
11	Naphthalene treatment alters liver intermediary metabolism and levels of steroid hormones in plasma of rainbow trout (Oncorhynchus mykiss). Ecotoxicology and Environmental Safety, 2007, 66, 139-147.	2.9	48
12	Gradation of the Stress Response in Rainbow Trout Exposed to Stressors of Different Severity: The Role of Brain Serotonergic and Dopaminergic Systems. Journal of Neuroendocrinology, 2015, 27, 131-141.	1.2	45
13	Characterization of melatonin synthesis in the gastrointestinal tract of rainbow trout (Oncorhynchus mykiss): distribution, relation with serotonin, daily rhythms and photoperiod regulation. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 471-484.	0.7	43
14	Oral administration of melatonin counteracts several of the effects of chronic stress in rainbow trout. Domestic Animal Endocrinology, 2014, 46, 26-36.	0.8	39
15	Arginine Vasotocin Treatment Induces a Stress Response and Exerts a Potent Anorexigenic Effect in Rainbow Trout, Oncorhynchus mykiss. Journal of Neuroendocrinology, 2014, 26, 89-99.	1.2	38
16	Neuroendocrine and Immune Responses Undertake Different Fates following Tryptophan or Methionine Dietary Treatment: Tales from a Teleost Model. Frontiers in Immunology, 2017, 8, 1226.	2.2	38
17	Effects of acute and prolonged naphthalene exposure on brain monoaminergic neurotransmitters in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 144, 173-183.	1.3	37
18	Is gill cortisol concentration a good acute stress indicator in fish? A study in rainbow trout and zebrafish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 188, 65-69.	0.8	34

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19	Î²-Naphthoflavone and benzo(a)pyrene alter dopaminergic, noradrenergic, and serotonergic systems in brain and pituitary of rainbow trout (Oncorhynchus mykiss). Ecotoxicology and Environmental Safety, 2009, 72, 191-198.	2.9	30
20	Interplay between daily rhythmic serum-mediated bacterial killing activity and immune defence factors in rainbow trout (Oncorhynchus mykiss). Fish and Shellfish Immunology, 2018, 72, 418-425.	1.6	30
21	Effects of Tributyltin and Other Retinoid Receptor Agonists in Reproductive-Related Endpoints in the Zebrafish (Danio rerio). Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 747-760.	1.1	29
22	Stress inhibition of melatonin synthesis in the pineal organ of rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.8	27
23	Retinoid metabolism in invertebrates: When evolution meets endocrine disruption. General and Comparative Endocrinology, 2014, 208, 134-145.	0.8	26
24	Changes in plasma melatonin levels and pineal organ melatonin synthesis following acclimation of rainbow trout (Oncorhynchus mykiss) to different water salinities. Journal of Experimental Biology, 2011, 214, 928-936.	0.8	25
25	Using acoustic telemetry to assess behavioral responses to acute hypoxia and ammonia exposure in farmed rainbow trout of different competitive ability. Applied Animal Behaviour Science, 2020, 230, 105084.	0.8	25
26	Influence of vegetable diets on physiological and immune responses to thermal stress in Senegalese sole (Solea senegalensis). PLoS ONE, 2018, 13, e0194353.	1.1	24
27	Melatonin partially minimizes the adverse stress effects in Senegalese sole (Solea senegalensis). Aquaculture, 2013, 388-391, 165-172.	1.7	23
28	Tissue-specific distribution patterns of retinoids and didehydroretinoids in rainbow trout Oncorhynchus mykiss. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 69-78.	0.7	22
29	A simple melatonin treatment protocol attenuates the response to acute stress in the sole Solea senegalensis. Aquaculture, 2016, 452, 272-282.	1.7	22
30	Retinol Metabolism in the Mollusk Osilinus lineatus Indicates an Ancient Origin for Retinyl Ester Storage Capacity. PLoS ONE, 2012, 7, e35138.	1.1	20
31	Confirmation that pulse and continuous peracetic acid administration does not disrupt the acute stress response in rainbow trout. Aquaculture, 2018, 492, 190-194.	1.7	20
32	Effects of naphthalene, Î²-naphthoflavone and benzo(a)pyrene on the diurnal and nocturnal indoleamine metabolism and melatonin content in the pineal organ of rainbow trout, Oncorhynchus mykiss. Aquatic Toxicology, 2009, 92, 1-8.	1.9	19
33	Interactive effects of naphthalene treatment and the onset of vitellogenesis on energy metabolism in liver and gonad, and plasma steroid hormones of rainbow trout Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 144, 155-165.	1.3	18
34	Differences in retinoid levels and metabolism among gastropod lineages: Imposex-susceptible gastropods lack the ability to store retinoids in the form of retinyl esters. Aquatic Toxicology, 2013, 142-143, 96-103.	1.9	14
35	Is plasma cortisol response to stress in rainbow trout regulated by catecholamine-induced hyperglycemia?. General and Comparative Endocrinology, 2014, 205, 207-217.	0.8	14
36	Emergence Time and Skin Melanin Spot Patterns Do Not Correlate with Growth Performance, Social Competitive Ability or Stress Response in Farmed Rainbow Trout. Frontiers in Neuroscience, 2017, 11, 319.	1.4	13

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37	Consistent individual competitive ability in rainbow trout as a proxy for coping style and its lack of correlation with cortisol responsiveness upon acute stress. Physiology and Behavior, 2019, 208, 112576.	1.0	13
38	The effect of dietary protein, lipid, and carbohydrate levels on the performance, metabolic rate and nitrogen retention in juvenile European lobster (Homarus gammarus, L.). Aquaculture, 2020, 525, 735334.	1.7	12
39	Early performance, stress- and disease-sensitivity in rainbow trout fry (Oncorhynchus mykiss) after total dietary replacement of fish oil with rapeseed oil. Effects of EPA and DHA supplementation. Aquaculture, 2021, 536, 736446.	1.7	11
40	Retinoid level dynamics during gonad recycling in the limpet Patella vulgata. General and Comparative Endocrinology, 2016, 225, 142-148.	0.8	10
41	Parental selection for growth and early-life low stocking density increase the female-to-male ratio in European sea bass. Scientific Reports, 2021, 11, 13620.	1.6	10
42	Short-term exposure to repeated chasing stress does not induce habituation in Senegalese sole, Solea senegalensis. Aquaculture, 2018, 487, 32-40.	1.7	9
43	Behavioural and physiological responses of lumpfish (Cyclopterus lumpus) exposed to Atlantic salmon (Salmo salar) sensory cues. Aquaculture, 2021, 544, 737066.	1.7	9
44	Interactions of temperature and dietary composition on juvenile European lobster (Homarus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Molecular & Integrative Physiology, 2021, 260, 111019.	0.8	8
45	Replacement of Antarctic krill (Euphausia superba) by extruded feeds with different proximate compositions: effects on growth, nutritional condition and digestive capacity of juvenile European lobsters (Homarus gammarus, L.). Journal of Nutritional Science, 2021, 10, e36.	0.7	7
46	Effects of simple shelters on growth performance and welfare of rainbow trout juveniles. Aquaculture, 2022, 551, 737930.	1.7	7
47	Proactive coping style in early emerging rainbow trout carries a metabolic cost with no apparent return. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 231, 104-110.	0.8	6
48	The effect of dietary n-3 LC-PUFA on the responses to acute and prolonged stress of meagre (Argyrosomus regius, Asso 1801) juveniles. Aquaculture, 2019, 506, 112-118.	1.7	6
49	Ontogenetic changes in digestive enzyme activity and biochemical indices of larval and postlarval European lobster (Homarus gammarus, L). Marine Biology, 2022, 169, 1.	0.7	5
50	Alterations in the brain monoaminergic neurotransmitters of rainbow trout related to naphthalene exposure at the beginning of vitellogenesis. Fish Physiology and Biochemistry, 2009, 35, 453-465.	0.9	4
51	Stress and disease resilience differences related to emergence time for first feeding in farmed rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2018, 221, .	0.8	4
52	Effects of ozonation and foam fractionation on rainbow trout condition and physiology in a small-scale freshwater recirculation aquaculture system. Aquaculture, 2022, 557, 738312.	1.7	3
53	Fish individuality, physiology and welfare. Physiology and Behavior, 2020, 219, 112867.	1.0	2
54	Cohabitation With Atlantic Salmon (Salmo salar) Affects Brain Neuromodulators But Not Welfare Indicators in Lumpfish (Cyclopterus lumpus). Frontiers in Physiology, 2022, 13, 781519.	1.3	2

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55	Characterization of the neuroendocrine stress status as part of the multiparametric assessment of welfare in fish. , 2022, , 285-308.		1
56	Immunolocalization of glucokinase in glucosensing tissues of rainbow trout. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, S16.	0.8	0