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List of Publications by Year in descending order

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57
papers

1,668
citations

235060

24
h-index

269873

40
g-index

61
all docs

61
docs citations

61
times ranked

2109
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal board invited review: advances in proteomics for animal and food sciences. <i>Animal</i> , 2015, 9, 1-17.	3.3	147
2	PROTEOMICS in aquaculture: Applications and trends. <i>Journal of Proteomics</i> , 2012, 75, 4325-4345.	2.5	121
3	Are Physicochemical Properties Shaping the Allergenic Potency of Plant Allergens?. <i>Clinical Reviews in Allergy and Immunology</i> , 2022, 62, 37-63.	6.5	109
4	Metabolic molecular indicators of chronic stress in gilthead seabream (<i>Sparus aurata</i>) using comparative proteomics. <i>Aquaculture</i> , 2010, 299, 57-66.	3.5	99
5	Are Physicochemical Properties Shaping the Allergenic Potency of Animal Allergens?. <i>Clinical Reviews in Allergy and Immunology</i> , 2022, 62, 1-36.	6.5	98
6	Effects of genotype and dietary fish oil replacement with vegetable oil on the intestinal transcriptome and proteome of Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2012, 13, 448.	2.9	91
7	Proteomics in food: Quality, safety, microbes, and allergens. <i>Proteomics</i> , 2016, 16, 799-815.	3.0	81
8	Proteomics and the search for welfare and stress biomarkers in animal production in the one-health context. <i>Molecular BioSystems</i> , 2016, 12, 2024-2035.	2.8	59
9	Protein changes as robust signatures of fish chronic stress: a proteomics approach to fish welfare research. <i>BMC Genomics</i> , 2020, 21, 309.	2.9	52
10	Current (Food) Allergenic Risk Assessment: Is It Fit for Novel Foods? Status Quo and Identification of Gaps. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700278.	3.9	48
11	A Proteomics and other Omics approach in the context of farmed fish welfare and biomarker discovery. <i>Reviews in Aquaculture</i> , 2020, 12, 122-144.	9.6	46
12	Redox thermodynamics of low-potential iron-sulfur proteins. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 748-760.	2.8	42
13	Changes in Liver Proteome Expression of Senegalese Sole (<i>Solea senegalensis</i>) in Response to Repeated Handling Stress. <i>Marine Biotechnology</i> , 2012, 14, 714-729.	2.3	41
14	Nutritional mitigation of winter thermal stress in gilthead seabream: Associated metabolic pathways and potential indicators of nutritional state. <i>Journal of Proteomics</i> , 2016, 142, 1-14.	2.5	38
15	Dietary Creatine Supplementation in Gilthead Seabream (<i>Sparus aurata</i>): Comparative Proteomics Analysis on Fish Allergens, Muscle Quality, and Liver. <i>Frontiers in Physiology</i> , 2018, 9, 1844.	2.8	35
16	Metabolic fingerprinting of gilthead seabream (<i>Sparus aurata</i>) liver to track interactions between dietary factors and seasonal temperature variations. <i>PeerJ</i> , 2014, 2, e527.	2.0	35
17	Dietary Tools To Modulate Glycogen Storage in Gilthead Seabream Muscle: Glycerol Supplementation. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10613-10624.	5.3	34
18	Physiological responses of reared sea bream (<i>Sparus aurata</i> Linnaeus, 1758) to an <i>Amyloodinium ocellatum</i> outbreak. <i>Journal of Fish Diseases</i> , 2017, 40, 1545-1560.	1.9	33

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19	How tryptophan levels in plant-based aquafeeds affect fish physiology, metabolism and proteome. <i>Journal of Proteomics</i> , 2020, 221, 103782.	2.5	33
20	Effects of Preslaughter Stress Levels on the Post-mortem Sarcoplasmic Proteomic Profile of Gilthead Seabream Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9443-9453.	5.3	32
21	Influence of supplemental maslinic acid (olive-derived triterpene) on the post-mortem muscle properties and quality traits of gilthead seabream. <i>Aquaculture</i> , 2013, 396-399, 146-155.	3.5	31
22	Fish Pathology Research and Diagnosis in Aquaculture of Farmed Fish; a Proteomics Perspective. <i>Animals</i> , 2021, 11, 125.	2.3	29
23	Enhanced dietary formulation to mitigate winter thermal stress in gilthead sea bream (<i>Sparus aurata</i>): a 2D-DIGE plasma proteome study. <i>Fish Physiology and Biochemistry</i> , 2017, 43, 603-617.	2.2	25
24	The solution structure of a [3Fe-4S] ferredoxin: oxidised ferredoxin II from <i>Desulfovibrio gigas</i> . <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 421-430.	2.8	24
25	Fish Allergy Management: From Component-Resolved Diagnosis to Unmet Diagnostic Needs. <i>Current Treatment Options in Allergy</i> , 2019, 6, 322-337.	2.1	24
26	Effects of dietary lipid sources on hepatic nutritive contents, fatty acid composition and proteome of Nile tilapia (<i>Oreochromis niloticus</i>). <i>Journal of Proteomics</i> , 2019, 192, 208-222.	2.5	21
27	Shikimate and folate pathways in the protozoan parasite, <i>Perkinsus olseni</i> . <i>Molecular and Biochemical Parasitology</i> , 2005, 142, 106-109.	1.1	19
28	Changes in the soluble bone proteome of reared white seabream (<i>Diplodus sargus</i>) with skeletal deformities. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 82-91.	1.1	19
29	Effect of antiprotozoal drugs on the proliferation of the bivalve parasite <i>Perkinsus olseni</i> . <i>Aquaculture</i> , 2005, 243, 9-17.	3.5	18
30	Data Visualization and Feature Selection Methods in Gel-based Proteomics. <i>Current Protein and Peptide Science</i> , 2014, 15, 4-22.	1.5	17
31	Dietary Creatine Supplementation in Gilthead Seabream (<i>Sparus aurata</i>) Increases Dorsal Muscle Area and the Expression of <i>myod1</i> and <i>capn1</i> Genes. <i>Frontiers in Endocrinology</i> , 2019, 10, 161.	3.5	17
32	Dietary Lysine Imbalance Affects Muscle Proteome in Zebrafish (<i>Danio rerio</i>): A Comparative 2D-DIGE Study. <i>Marine Biotechnology</i> , 2012, 14, 643-654.	2.3	16
33	Proteomics in Fish and Aquaculture Research. , 2018, , 311-338.		16
34	Effect of EDTA enriched diets on farmed fish allergenicity and muscle quality; a proteomics approach. <i>Food Chemistry</i> , 2020, 305, 125508.	8.3	16
35	Domestic animal proteomics in the 21st century: A global retrospective and viewpoint analysis. <i>Journal of Proteomics</i> , 2021, 241, 104220.	2.5	15
36	Evaluating the impact of methionine-enriched diets in the liver of European seabass through label-free shotgun proteomics. <i>Journal of Proteomics</i> , 2021, 232, 104047.	2.5	11

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37	Metabolic Plasticity of Gilthead Seabream Under Different Stressors: Analysis of the Stress Responsive Hepatic Proteome and Gene Expression. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
38	Effects of Different Dietary Vegetable Lipid Sources on Health Status in Nile Tilapia (<i>Oreochromis Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>) 10, 1377.	2.3	9
39	Effect of creatine and EDTA supplemented diets on European seabass (<i>Dicentrarchus labrax</i>) allergenicity, fish muscle quality and omics fingerprint. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022, 41, 100941.	1.1	8
40	Proteomics in Aquaculture. , 2017, , 279-295.		7
41	Mid-infrared spectroscopic screening of metabolic alterations in stress-exposed gilthead seabream (<i>Sparus aurata</i>). <i>Scientific Reports</i> , 2020, 10, 16343.	3.4	7
42	Gilthead Seabream Liver Integrative Proteomics and Metabolomics Analysis Reveals Regulation by Different Prosurvival Pathways in the Metabolic Adaptation to Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15395.	4.2	7
43	The 3Fe containing ferredoxin from <i>Desulfovibrio gigas</i> : an NMR characterization of the oxidised and intermediate states. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 871-881.	19.5	5
44	Fish Allergenicity Modulation Using Tailored Enriched Diets—Where Are We?. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	5
45	Characterization of Recombinant <i>Desulfovibrio gigas</i> Ferredoxin. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 630-633.	2.2	4
46	Applications of Proteomics in Aquaculture. , 2016, , 175-209.		4
47	Fish Processing and Digestion Affect Parvalbumins Detectability in Gilthead Seabream and European Seabass. <i>Animals</i> , 2022, 12, 3022.	2.3	4
48	<i>Desulfovibrio gigas</i> ferredoxin II: redox structural modulation of the [3Fe—4S] cluster. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 307-315.	2.8	2
49	Spectroscopic characterization of a novel 2Å—[4Fe—4S] ferredoxin isolated from <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Inorganica Chimica Acta</i> , 2003, 356, 215-221.	2.5	1
50	Consumers' Willingness to Pay for Fish with a Low Allergenic Potential. <i>Journal of International Food and Agribusiness Marketing</i> , 2020, , 1-22.	2.0	1
51	Data on European seabass fed with methionine-enriched diets obtained through label free shotgun proteomics. <i>Data in Brief</i> , 2021, 34, 106675.	1.1	1
52	Amyloidinosis in aquaculture: A review. <i>Reviews in Aquaculture</i> , 2024, 16, 1042-1068.	9.6	1
53	Proteomics as a tool to understand fish stress in aquaculture. , 2012, , 198-201.		0
54	Assessing fish quality in aquaculture: a proteomics approach. , 2012, , 28-30.		0

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55	Proteomics for Quality and Safety in Fishery Products. , 2022, , 45-78.		0
56	Modulation of fish allergenicity towards the production of a low allergen farmed fish: A proteomics approach. Journal of Proteomics and Bioinformatics, 2017, 10, .	0.9	0
57	Transcriptomic changes behind Sparus aurata hepatic response to different aquaculture challenges: An RNA-seq study and multiomics integration. PLoS ONE, 2024, 19, e0300472.	2.5	0