Alexander Rebl

List of Publications by Year
in descending order

88 papers	2,468 citations	257101 24 h-index	223531 46 g-index
93 all docs	93 docs citations	93 times ranked	2889 citing authors

#	Article	IF	Citations
1	Photoperiod in recirculation aquaculture systems and timing of seawater transfer affect seawater growth performance of Atlantic salmon (<i>Salmo salar</i>). Journal of the World Aquaculture Society, 2023, 54, 73-95.	1.2	11
2	The Early Immune Response of Lymphoid and Myeloid Head-Kidney Cells of Rainbow Trout (Oncorhynchus mykiss) Stimulated with Aeromonas salmonicida. Fishes, 2022, 7, 12.	0.7	3
3	Evaluation of blood cell viability rate, gene expression, and O-GlcNAcylation profiles as indicative signatures for fungal stimulation of salmonid cell models. Molecular Immunology, 2022, 142, 120-129.	1.0	3
4	A Multidisciplinary Approach Evaluating Soybean Meal-Induced Enteritis in Rainbow Trout Oncorhynchus mykiss. Fishes, 2022, 7, 22.	0.7	12
5	RNA-Seq of Single Fish Cells â€“ Seeking Out the Leukocytes Mediating Immunity in Teleost Fishes. Frontiers in Immunology, 2022, 13, 798712.	2.2	15
6	Evaluation of Immune Status in Two Cohorts of Atlantic Salmon Raised in Different Aquaculture Systems (Case Study). Genes, 2022, 13, 736.	1.0	4
7	Gene expression profiling supports the welfare evaluation of rainbow trout (Oncorhynchus mykiss) reared under different environmental and management conditions in six commercial flow through systems. Aquaculture, 2022, 557, 738310.	1.7	1
8	Experimental Handling Challenges Result in Minor Changes in the Phagocytic Capacity and Transcriptome of Head-Kidney Cells of the Salmonid Fish Coregonus maraena. Frontiers in Veterinary Science, 2022, 9, 889635.	0.9	2
9	Interactions of plantâ€based feeding and handling stress on the expression of selected immune markers in rainbow trout (<i>Oncorhynchus mykiss</i>). Aquaculture Research, 2022, 53, 4304-4315.	0.9	3
10	The expression of myogenic gene markers during the <scp>embryoâ€larvalâ€transition</scp> in Pikeperch () Tj ETQq0 0 0 rgBT /Overloc	0.9	2
11	Insights into early ontogenesis: characterization of stress and development key genes of pikeperch (Sander lucioperca) in vivo and in vitro. Fish Physiology and Biochemistry, 2021, 47, 515-532.	0.9	10
12	Plasma Treatment of Fish Cells: The Importance of Defining Cell Culture Conditions in Comparative Studies. Applied Sciences (Switzerland), 2021, 11, 2534.	1.3	4
13	Blood Will Tell: What Hematological Analyses Can Reveal About Fish Welfare. Frontiers in Veterinary Science, 2021, 8, 616955.	0.9	65
14	Effects of Chronic Hypoxia on the Immune Status of Pikeperch (Sander lucioperca Linnaeus, 1758). Biology, 2021, 10, 649.	1.3	8
15	Development of Atlantic Salmon (Salmo salar L.) Under Hypoxic Conditions Induced Sustained Changes in Expression of Immune Genes and Reduced Resistance to Moritella viscosa. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	10
16	Comprehensive Characterization of Multitissue Expression Landscape, Co-Expression Networks and Positive Selection in Pikeperch. Cells, 2021, 10, 2289.	1.8	4
17	Effect of two constant light regimens on antibody profiles and immune gene expression in Atlantic salmon following vaccination and experimental challenge with salmonid alphavirus. Fish and Shellfish Immunology, 2021, 118, 188-196.	1.6	5
18	Assessment of behavioural and physiological traits as indicators of suitability for European perch aquaculture. Aquaculture, 2021, 544, 737048.	1.7	3

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19	PIAS Factors from Rainbow Trout Control NF-Î°B- and STAT-Dependent Gene Expression. International Journal of Molecular Sciences, 2021, 22, 12815.	1.8	5
20	The Effect of Different Feeding Applications on the Swimming Behaviour of Siberian Sturgeon: A Method for Improving Restocking Programmes. Biology, 2021, 10, 1162.	1.3	4
21	Early response of salmonid head-kidney cells to stress hormones and toll-like receptor ligands. Fish and Shellfish Immunology, 2020, 98, 950-961.	1.6	23
22	Characterisation of the teleostean Î°B-Ras family: The two members NKIRAS1 and NKIRAS2 from rainbow trout influence the activity of NF-Î°B in opposite ways. Fish and Shellfish Immunology, 2020, 106, 1004-1013.	1.6	11
23	Characterization of the Polysialylation Status in Ovaries of the Salmonid Fish Coregonus maraena and the Percid Fish Sander lucioperca. Cells, 2020, 9, 2391.	1.8	5
24	Comparative Analysis of the Transcriptome and Distribution of Putative SNPs in Two Rainbow Trout (Oncorhynchus mykiss) Breeding Strains by Using Next-Generation Sequencing. Genes, 2020, 11, 841.	1.0	3
25	Multigene Expression Assay for Assessment of the Immune Status of Atlantic Salmon. Genes, 2020, 11, 1236.	1.0	13
26	The synergistic interaction of thermal stress coupled with overstocking strongly modulates the transcriptomic activity and immune capacity of rainbow trout (Oncorhynchus mykiss). Scientific Reports, 2020, 10, 14913.	1.6	18
27	Time-Dependent Effects of Acute Handling on the Brain Monoamine System of the Salmonid Coregonus maraena. Frontiers in Neuroscience, 2020, 14, 591738.	1.4	3
28	Dawn to Dusk: Diurnal Rhythm of the Immune Response in Rainbow Trout (Oncorhynchus Mykiss). Biology, 2020, 9, 8.	1.3	17
29	Vertebrate Alpha2,8-Sialyltransferases (ST8Sia): A Teleost Perspective. International Journal of Molecular Sciences, 2020, 21, 513.	1.8	7
30	Gene Profiling in the Adipose Fin of Salmonid Fishes Supports Its Function as a Flow Sensor. Genes, 2020, 11, 21.	1.0	2
31	Characterization of Sialic Acid-Binding Immunoglobulin-Type Lectins in Fish Reveals Teleost-Specific Structures and Expression Patterns. Cells, 2020, 9, 836.	1.8	7
32	An ultra-high density SNP-based linkage map for enhancing the pikeperch (Sander lucioperca) genome assembly to chromosome-scale. Scientific Reports, 2020, 10, 22335.	1.6	7
33	At Least Two Genes Encode Many Variants of Irak3 in Rainbow Trout, but Neither the Full-Length Factor Nor Its Variants Interfere Directly With the TLR-Mediated Stimulation of Inflammation. Frontiers in Immunology, 2019, 10, 2246.	2.2	12
34	The First Highly Contiguous Genome Assembly of Pikeperch (Sander lucioperca), an Emerging Aquaculture Species in Europe. Genes, 2019, 10, 708.	1.0	33
35	A molecular survey of programmed cell death in rainbow trout: Structural and functional specifications of apoptotic key molecules. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 230, 57-69.	0.7	7
36	Evolutionary expression differences of creatine synthesis-related genes: Implications for skeletal muscle metabolism in fish. Scientific Reports, 2019, 9, 5429.	1.6	22

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37	Sialylated Cervical Mucins Inhibit the Activation of Neutrophils to Form Neutrophil Extracellular Traps in Bovine in vitro Model. Frontiers in Immunology, 2019, 10, 2478.	2.2	15
38	Identification of molecular stress indicators in pikeperch Sander lucioperca correlating with rising water temperatures. Aquaculture, 2019, 501, 260-271.	1.7	35
39	Under control: The innate immunity of fish from the inhibitors' perspective. Fish and Shellfish Immunology, 2018, 77, 328-349.	1.6	100
40	Characterization of igf1 and igf2 genes during maraena whitefish (Coregonus maraena) ontogeny and the effect of temperature on embryogenesis and igf expression. Growth Hormone and IGF Research, 2018, 40, 32-43.	0.5	15
41	Systematic identification and characterization of stress-inducible heat shock proteins (HSPs) in the salmon louse (Lepeophtheirus salmonis). Cell Stress and Chaperones, 2018, 23, 127-139.	1.2	18
42	Polysialic acid is released by human umbilical vein endothelial cells (HUVEC) in vitro. Cell and Bioscience, 2018, 8, 64.	2.1	12
43	Gradual and Acute Temperature Rise Induces Crossing Endocrine, Metabolic, and Immunological Pathways in Maraena Whitefish (Coregonus maraena). Frontiers in Genetics, 2018, 9, 241.	1.1	28
44	Polysialic Acid in Human Plasma Can Compensate the Cytotoxicity of Histones. International Journal of Molecular Sciences, 2018, 19, 1679.	1.8	24
45	Siglecs: A journey through the evolution of sialic acid-binding immunoglobulin-type lectins. Developmental and Comparative Immunology, 2018, 86, 219-231.	1.0	128
46	Multiple gene and transcript variants encoding trout C-polysaccharide binding proteins are differentially but strongly induced after infection with Aeromonas salmonicida. Fish and Shellfish Immunology, 2017, 60, 509-519.	1.6	9
47	MC3T3 osteoblast-like cells cultured at alkaline pH: Microarray data (Affymetrix GeneChip Mouse 2.0) Tj ETQq1 1 0.784314 rgBT /Overlo	0.5	7
48	Increased osteoblast viability at alkaline pH in vitro provides a new perspective on bone regeneration. Biochemistry and Biophysics Reports, 2017, 10, 17-25.	0.7	94
49	Microarray-predicted marker genes and molecular pathways indicating crowding stress in rainbow trout (Oncorhynchus mykiss). Aquaculture, 2017, 473, 355-365.	1.7	35
50	Identification of genes involved in cold-shock response in rainbow trout (Oncorhynchus mykiss). Journal of Genetics, 2017, 96, 701-706.	0.4	9
51	ST2 from rainbow trout quenches TLR signalling, localises at the nuclear membrane and allows the nuclear translocation of MYD88. Developmental and Comparative Immunology, 2017, 67, 139-152.	1.0	10
52	Kynurenic Acid: The Janus-Faced Role of an Immunomodulatory Tryptophan Metabolite and Its Link to Pathological Conditions. Frontiers in Immunology, 2017, 8, 1957.	2.2	245
53	Adverse Husbandry of Maraena Whitefish Directs the Immune System to Increase Mobilization of Myeloid Cells and Proinflammatory Responses. Frontiers in Immunology, 2016, 7, 631.	2.2	28
54	Toll-like receptors in maraena whitefish: Evolutionary relationship among salmonid fishes and patterns of response to Aeromonas salmonicida. Fish and Shellfish Immunology, 2016, 54, 391-401.	1.6	47

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55	Transcriptome sequencing of maraena whitefish (Coregonus maraena). Marine Genomics, 2016, 29, 27-29.	0.4	9
56	Structurally diverse genes encode Tlr2 in rainbow trout: The conserved receptor cannot be stimulated by classical ligands to activate NF-ÎºB inÂvitro. Developmental and Comparative Immunology, 2016, 54, 75-88.	1.0	21
57	<i>Aeromonas salmonicida</i>Infection Only Moderately Regulates Expression of Factors Contributing to Toll-Like Receptor Signaling but Massively Activates the Cellular and Humoral Branches of Innate Immunity in Rainbow Trout (<i>Oncorhynchus mykiss</i>). Journal of Immunology Research, 2015, 2015, 1-16.	0.9	42
58	Impact of Thermal Stress on Kidney-Specific Gene Expression in Farmed Regional and Imported Rainbow Trout. Marine Biotechnology, 2015, 17, 576-592.	1.1	48
59	Cloning and characterization of the proximal promoter region of rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	16
60	Comprehensive and comparative transcription analyses of the complement pathway in rainbow trout. Fish and Shellfish Immunology, 2015, 42, 98-107.	1.6	30
61	Identification and de novo sequencing of housekeeping genes appropriate for gene expression analyses in farmed maraena whitefish (Coregonus maraena) during crowding stress. Fish Physiology and Biochemistry, 2015, 41, 397-412.	0.9	22
62	GRP94 is encoded by two differentially expressed genes during development of rainbow trout (Oncorhynchus mykiss). Fish Physiology and Biochemistry, 2014, 40, 1917-1926.	0.9	9
63	Creatine metabolism differs between mammals and rainbow trout (Oncorhynchus mykiss). SpringerPlus, 2014, 3, 510.	1.2	33
64	Transcriptome Profiling Reveals Insight into Distinct Immune Responses to Aeromonas salmonicida in Gill of Two Rainbow Trout Strains. Marine Biotechnology, 2014, 16, 333-348.	1.1	54
65	The proximal promoter of a novel interleukin-8-encoding gene in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2014, 46, 155-164.	1.0	23
66	Characterization of the interleukin 1 receptor-associated kinase 4 (IRAK4)-encoding gene in salmonid fish: The functional copy is rearranged in Oncorhynchus mykiss and that factor can impair TLR signaling in mammalian cells. Fish and Shellfish Immunology, 2014, 36, 206-214.	1.6	37
67	Comparison of splenic transcriptome activity of two rainbow trout strains differing in robustness under regional aquaculture conditions. Molecular Biology Reports, 2013, 40, 1955-1966.	1.0	18
68	Novel insights into the peritoneal inflammation of rainbow trout (Oncorhynchus mykiss). Fish and Shellfish Immunology, 2013, 35, 1192-1199.	1.6	46
69	Transcriptome Profiling of Gill Tissue in Regionally Bred and Globally Farmed Rainbow Trout Strains Reveals Different Strategies for Coping with Thermal Stress. Marine Biotechnology, 2013, 15, 445-460.	1.1	75
70	Different expression of a C-type lectin gene and its transcript variant in two rainbow trout strains. Fish and Shellfish Immunology, 2013, 34, 1714.	1.6	0
71	Ironâ€"sulfur cluster scaffold (ISCU) gene is duplicated in salmonid fish and tissue and temperature dependent expressed in rainbow trout. Gene, 2013, 512, 251-258.	1.0	3
72	Identification of differentially expressed protective genes in liver of two rainbow trout strains. Veterinary Immunology and Immunopathology, 2012, 145, 305-315.	0.5	19

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73	Duplicated NELL2 genes show different expression patterns in two rainbow trout strains after temperature and pathogen challenge. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 163, 65-73.	0.7	4
74	Advanced comparative cytogenetic analysis of X chromosomes in river buffalo, cattle, sheep, and human. Chromosome Research, 2012, 20, 413-425.	1.0	13
75	Comparative molecular characterization of the regucalcin (RGN) gene in rainbow trout (Oncorhynchus mykiss) and maraena whitefish (Coregonus marena). Molecular Biology Reports, 2012, 39, 4291-4300.	1.0	9
76	Salmonid Tollip and MyD88 factors can functionally replace their mammalian orthologues in TLR-mediated trout SAA promoter activation. Developmental and Comparative Immunology, 2011, 35, 81-87.	1.0	42
77	MARCH5 gene is duplicated in rainbow trout, but only fish-specific gene copy is up-regulated after VHSV infection. Fish and Shellfish Immunology, 2011, 31, 1041-1050.	1.6	18
78	Extended Cytogenetic Maps of Sheep Chromosome 1 and Their Cattle and River Buffalo Homoeologues: Comparison with the OAR1 RH Map and Human Chromosomes 2, 3, 21 and 1q. Cytogenetic and Genome Research, 2011, 133, 16-24.	0.6	7
79	Peptidylarginine deiminase gene is differentially expressed in freshwater and brackish water rainbow trout. Molecular Biology Reports, 2010, 37, 2333-2339.	1.0	31
80	Molecular characterization of PRR13 and its tissue-specific expression in rainbow trout (Oncorhynchus mykiss). Fish Physiology and Biochemistry, 2010, 36, 1271-1276.	0.9	6
81	Toll-like receptor signaling in bony fish. Veterinary Immunology and Immunopathology, 2010, 134, 139-150.	0.5	379
82	A High-Resolution Radiation Hybrid Map of Sheep Chromosome X and Comparison with Human and Cattle. Cytogenetic and Genome Research, 2009, 125, 40-45.	0.6	9
83	Cytogenetic anchoring of radiation hybrid and virtual maps of sheep chromosome X and comparison of X chromosomes in sheep, cattle, and human. Chromosome Research, 2009, 17, 497-506.	1.0	14
84	Characterization of Dehydrodolichyl diphosphate synthase gene in rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 260-265.	0.7	18
85	Characterization of two key molecules of teleost innate immunity from rainbow trout (Oncorhynchus mykiss): MyD88 and SAA. Veterinary Immunology and Immunopathology, 2009, 131, 122-126.	0.5	57
86	Cloning and tissue-specific expression of a .DELTA.-COP homologue in a freshwater and a brackish water-adapted strain of rainbow trout (Oncorhynchus mykiss). Genes and Genetic Systems, 2009, 84, 239-243.	0.2	4
87	Tollip, a negative regulator of TLR-signalling, is encoded by twin genes in salmonid fish. Fish and Shellfish Immunology, 2008, 25, 153-162.	1.6	36
88	Characterization of twin toll-like receptors from rainbow trout (Oncorhynchus mykiss): Evolutionary relationship and induced expression by Aeromonas salmonicida salmonicida. Developmental and Comparative Immunology, 2007, 31, 499-510.	1.0	92