

# Baofeng Su

## List of Publications by Year in descending order

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55  
papers

1,068  
citations

394286

19  
h-index

454834

30  
g-index

55  
all docs

55  
docs citations

55  
times ranked

887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environment-Dependent Heterosis and Transgressive Gene Expression in Reciprocal Hybrids between the Channel Catfish <i>Ictalurus punctatus</i> and the Blue Catfish <i>Ictalurus furcatus</i> . <i>Biology</i> , 2022, 11, 117.	1.3	4
2	Characterization and the potential immune role of class A scavenger receptor member 4 (SCARA4) in bacterial infection in turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2022, 120, 590-598.	1.6	2
3	Molecular characterization and expression analysis of the transferrin gene in Amur ide ( <i>Leuciscus</i> ) Tj ETQq1 1 0.784314 rgBT /Over 0.4 1	0.4	1
4	Gene Editing of the Catfish Gonadotropin-Releasing Hormone Gene and Hormone Therapy to Control the Reproduction in Channel Catfish, <i>Ictalurus punctatus</i> . <i>Biology</i> , 2022, 11, 649.	1.3	7
5	Genome-wide identification of catfish antimicrobial peptides: A new perspective to enhance fish disease resistance. <i>Reviews in Aquaculture</i> , 2022, 14, 2002-2022.	4.6	13
6	Chromosome-level assembly and annotation of the blue catfish <i>Ictalurus furcatus</i> , an aquaculture species for hybrid catfish reproduction, epigenetics, and heterosis studies. <i>GigaScience</i> , 2022, 11, .	3.3	8
7	Genome-wide identification of NOD-like receptors and their expression profiling in mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) upon bacteria challenge. <i>Molecular Immunology</i> , 2021, 134, 48-61.	1.0	10
8	Characterization of toll-like receptor 1 (TLR1) in turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2021, 115, 27-34.	1.6	11
9	Genome-wide identification, characterization, and expression of the Toll-like receptors in Japanese flounder ( <i>Paralichthys olivaceus</i> ). <i>Aquaculture</i> , 2021, 545, 737127.	1.7	11
10	Identification of Antimicrobial Peptide Genes in Black Rockfish <i>Sebastes schlegelii</i> and Their Responsive Mechanisms to <i>Edwardsiella tarda</i> Infection. <i>Biology</i> , 2021, 10, 1015.	1.3	14
11	Characterization of the immune roles of cathepsin L in turbot ( <i>Scophthalmus maximus</i> L.) mucosal immunity. <i>Fish and Shellfish Immunology</i> , 2020, 97, 322-335.	1.6	22
12	Genome-wide characterization of Toll-like receptors in black rockfish <i>Sebastes schlegelii</i> : Evolution and response mechanisms following <i>Edwardsiella tarda</i> infection. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 949-962.	3.6	28
13	Deep Transcriptomic Analysis Reveals the Dynamic Developmental Progression during Early Development of Channel Catfish ( <i>Ictalurus punctatus</i> ). <i>International Journal of Molecular Sciences</i> , 2020, 21, 5535.	1.8	4
14	Characterization of class B scavenger receptor type 1 (SRB1) in turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2020, 100, 358-367.	1.6	9
15	Comparative Transcriptome Analysis During the Seven Developmental Stages of Channel Catfish ( <i>Ictalurus punctatus</i> ) and Tra Catfish ( <i>Pangasianodon hypophthalmus</i> ) Provides Novel Insights for Terrestrial Adaptation. <i>Frontiers in Genetics</i> , 2020, 11, 608325.	1.1	1
16	Integrated Analysis of circRNA-miRNA-mRNA Regulatory Networks in the Intestine of <i>Sebastes schlegelii</i> Following <i>Edwardsiella tarda</i> Challenge. <i>Frontiers in Immunology</i> , 2020, 11, 618687.	2.2	19
17	Genetically Engineered Fish: Potential Impacts on Aquaculture, Biodiversity, and the Environment. <i>Topics in Biodiversity and Conservation</i> , 2020, , 241-275.	0.3	3
18	Characterization and initial functional analysis of cathepsin K in turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2019, 93, 153-160.	1.6	5

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19	Effects of Cecropin Transgenesis and Interspecific Hybridization on the Resistance to <i>Ichthyophthirius multifiliis</i> in Channel Catfish and Female Channel Catfish × Male Blue Catfish Hybrids. <i>North American Journal of Aquaculture</i> , 2019, 81, 242-252.	0.7	9
20	Expression profiling and microbial ligand binding analysis of high-mobility group box-1 (HMGB1) in turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2018, 78, 100-108.	1.6	15
21	Repressible Transgenic Sterilization in Channel Catfish, <i>Ictalurus punctatus</i> , by Knockdown of Primordial Germ Cell Genes with Copper-Sensitive Constructs. <i>Marine Biotechnology</i> , 2018, 20, 324-342.	1.1	9
22	l-rhamnose-binding lectins (RBLs) in turbot ( <i>Scophthalmus maximus</i> L.): Characterization and expression profiling in mucosal tissues. <i>Fish and Shellfish Immunology</i> , 2018, 80, 264-273.	1.6	15
23	Characterization and expression analysis of chitinase genes (CHIT1, CHIT2 and CHIT3) in turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2017, 64, 357-366.	1.6	19
24	The involvement of cathepsin F gene (CTSF) in turbot ( <i>Scophthalmus maximus</i> L.) mucosal immunity. <i>Fish and Shellfish Immunology</i> , 2017, 66, 270-279.	1.6	18
25	Characterization and expression profiling of NOD-like receptor C3 (NLR3) in mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2017, 66, 231-239.	1.6	40
26	Xenogenesis—Production of Channel Catfish × Blue Catfish Hybrid Progeny by Fertilization of Channel Catfish Eggs with Sperm from Triploid Channel Catfish Males with Transplanted Blue Catfish Germ Cells. <i>North American Journal of Aquaculture</i> , 2017, 79, 61-74.	0.7	17
27	Identification, characterization and expression analysis of TLR5 in the mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2017, 68, 272-279.	1.6	32
28	Identification and expression analysis of fetuin B (FETUB) in turbot ( <i>Scophthalmus maximus</i> L.) mucosal barriers following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2017, 68, 386-394.	1.6	19
29	Salt Sensitive Tet-Off-Like Systems to Knockdown Primordial Germ Cell Genes for Repressible Transgenic Sterilization in Channel Catfish, <i>Ictalurus punctatus</i> . <i>Marine Drugs</i> , 2017, 15, 155.	2.2	8
30	The mucosal expression signatures of g-type lysozyme in turbot ( <i>Scophthalmus maximus</i> ) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2016, 54, 612-619.	1.6	41
31	Effects of multiple handstrippings of channel catfish ( <i>Ictalurus punctatus</i> ) females induced to ovulate with carp pituitary extract on production of channel catfish female x blue catfish ( <i>L. t. furcatus</i> ) female hybrid fry. <i>Journal of Applied Aquaculture</i> , 2016, 28, 260-266.	0.7	1
32	The relationship between channel catfish female body weight and relative fecundity and fry production when induced to ovulate with carp pituitary extract and fertilized with blue catfish sperm. <i>Journal of Applied Aquaculture</i> , 2016, 28, 260-266.	0.7	1
33	Identification and expression analysis of toll-like receptor genes (TLR8 and TLR9) in mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2016, 58, 309-317.	1.6	43
34	Characterization and expression analysis of a peptidoglycan recognition protein gene, SmpGRP2 in mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2016, 56, 367-373.	1.6	36
35	Identification and expression analysis of TLR2 in mucosal tissues of turbot ( <i>Scophthalmus maximus</i> L.) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2016, 55, 654-661.	1.6	45
36	Effects of carp pituitary extract dosage on production of channel catfish, <i>Ictalurus punctatus</i> , female X blue catfish, <i>I. furcatus</i> , male hybrid fry. <i>Journal of Applied Aquaculture</i> , 2016, 28, 235-251.	0.7	1

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37	Transcriptomic profiling revealed the signatures of intestinal barrier alteration and pathogen entry in turbot ( <i>Scophthalmus maximus</i> ) following <i>Vibrio anguillarum</i> challenge. <i>Developmental and Comparative Immunology</i> , 2016, 65, 159-168.	1.0	90
38	The expression signatures of neuronal nitric oxide synthase (NOS1) in turbot ( <i>Scophthalmus maximus</i> ) Tj ETQq0 0,0rgBT /Oyerlock 10	1.6	26
39	Transcriptome Display During Testicular Differentiation of Channel Catfish ( <i>Ictalurus punctatus</i> ) as Revealed by RNA-Seq Analysis. <i>Biology of Reproduction</i> , 2016, 95, 19-19.	1.2	35
40	Galectins in channel catfish, <i>Ictalurus punctatus</i> : Characterization and expression profiling in mucosal tissues. <i>Fish and Shellfish Immunology</i> , 2016, 49, 324-335.	1.6	29
41	Expression profile analysis of two cathepsin S in channel catfish ( <i>Ictalurus punctatus</i> ) mucosal tissues following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2016, 48, 112-118.	1.6	18
42	Editing of the Luteinizing Hormone Gene to Sterilize Channel Catfish, <i>Ictalurus punctatus</i> , Using a Modified Zinc Finger Nuclease Technology with Electroporation. <i>Marine Biotechnology</i> , 2016, 18, 255-263.	1.1	56
43	Genotype-environment interactions for survival at low and sub-zero temperatures at varying salinity for channel catfish, hybrid catfish and transgenic channel catfish. <i>Aquaculture</i> , 2016, 458, 140-148.	1.7	19
44	In vitro digestion of luteinizing hormone releasing hormone analog (LHRHa) using simulated gastric conditions in assessing human food safety. <i>Food Chemistry</i> , 2016, 192, 409-414.	4.2	1
45	Effects of transgenic sterilization constructs and their repressor compounds on hatch, developmental rate and early survival of electroporated channel catfish embryos and fry. <i>Transgenic Research</i> , 2015, 24, 333-352.	1.3	5
46	Expression profiling analysis of immune-related genes in channel catfish ( <i>Ictalurus punctatus</i> ) skin mucus following <i>Flavobacterium columnare</i> challenge. <i>Fish and Shellfish Immunology</i> , 2015, 46, 537-542.	1.6	27
47	Identification and mucosal expression analysis of cathepsin B in channel catfish ( <i>Ictalurus punctatus</i> ) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2015, 47, 751-757.	1.6	23
48	Suppression and restoration of primordial germ cell marker gene expression in channel catfish, <i>Ictalurus punctatus</i> , using knockdown constructs regulated by copper transport protein gene promoters: Potential for reversible transgenic sterilization. <i>Theriogenology</i> , 2015, 84, 1499-1512.	0.9	17
49	Mucosal expression signatures of two Cathepsin L in channel catfish ( <i>Ictalurus punctatus</i> ) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2015, 47, 582-589.	1.6	19
50	Interaction of diet and the masou salmon $\Delta^5$ -desaturase transgene on $\Delta^6$ -desaturase and stearoyl-CoA desaturase gene expression and N-3 fatty acid level in common carp ( <i>Cyprinus carpio</i> ). <i>Transgenic Research</i> , 2014, 23, 729-742.	1.3	23
51	Sex-ratio-biasing constructs for the control of invasive lower vertebrates. <i>Nature Biotechnology</i> , 2014, 32, 424-427.	9.4	34
52	Expression and knockdown of primordial germ cell genes, vasa, nanos and dead end in common carp ( <i>Cyprinus carpio</i> ) embryos for transgenic sterilization and reduced sexual maturity. <i>Aquaculture</i> , 2014, 420-421, S72-S84.	1.7	21
53	Early mucosal responses in blue catfish ( <i>Ictalurus furcatus</i> ) skin to <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , 2013, 34, 920-928.	1.6	41
54	Effect of Sodium Chloride on Hatching Rate on Channel Catfish, <i>Ictalurus punctatus</i> , Embryos. <i>Journal of Applied Aquaculture</i> , 2013, 25, 283-292.	0.7	13

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55	Relative effectiveness of carp pituitary extract, luteinizing hormone releasing hormone analog (LHRHa) injections and LHRHa implants for producing hybrid catfish fry. <i>Aquaculture</i> , 2013, 372-375, 133-136.	1.7	28