

Geert F Wiegertjes

List of Publications by Year in descending order

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86
papers

4,586
citations

87888

38
h-index

106344

65
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91
all docs

91
docs citations

91
times ranked

4109
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic Flow-Mediated Protein Sorting on the Cell Surface of Trypanosomes. <i>Cell</i> , 2007, 131, 505-515.	28.9	352
2	Immunogenetics of disease resistance in fish: A comparative approach. <i>Developmental and Comparative Immunology</i> , 1996, 20, 365-381.	2.3	306
3	Ligand specificities of Toll-like receptors in fish: Indications from infection studies. <i>Developmental and Comparative Immunology</i> , 2014, 43, 205-222.	2.3	197
4	Exploring fish microbial communities to mitigate emerging diseases in aquaculture. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	152
5	Molecular and functional characterization of carp TNF: a link between TNF polymorphism and trypanotolerance?. <i>Developmental and Comparative Immunology</i> , 2003, 27, 29-41.	2.3	151
6	Long-lived effects of administering β -glucans: Indications for trained immunity in fish. <i>Developmental and Comparative Immunology</i> , 2016, 64, 93-102.	2.3	150
7	Head Kidney-Derived Macrophages of Common Carp (<i>Cyprinus carpio</i> L.) Show Plasticity and Functional Polarization upon Differential Stimulation. <i>Journal of Immunology</i> , 2006, 177, 61-69.	0.8	142
8	Feed, Microbiota, and Gut Immunity: Using the Zebrafish Model to Understand Fish Health. <i>Frontiers in Immunology</i> , 2020, 11, 114.	4.8	142
9	Polarization of immune responses in fish: The β -macrophages first point of view. <i>Molecular Immunology</i> , 2016, 69, 146-156.	2.2	128
10	Differential expression of two interferon- β genes in common carp (<i>Cyprinus carpio</i> L.). <i>Developmental and Comparative Immunology</i> , 2008, 32, 1467-1481.	2.3	117
11	The immune response of carp to <i>Trypanoplasma borreli</i> : kinetics of immune gene expression and polyclonal lymphocyte activation. <i>Developmental and Comparative Immunology</i> , 2003, 27, 859-874.	2.3	116
12	Molecular cloning and expression of two β -defensin and two mucin genes in common carp (<i>Cyprinus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22</i> 494-501.	3.6	112
13	Carp Il10 Has Anti-Inflammatory Activities on Phagocytes, Promotes Proliferation of Memory T Cells, and Regulates B Cell Differentiation and Antibody Secretion. <i>Journal of Immunology</i> , 2015, 194, 187-199.	0.8	102
14	Comparison of the Exomes of Common Carp (<i>Cyprinus carpio</i>) and Zebrafish (<i>Danio</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22</i> 1.1	1.1	90
15	Evolution of Recognition of Ligands from Gram-Positive Bacteria: Similarities and Differences in the TLR2-Mediated Response between Mammalian Vertebrates and Teleost Fish. <i>Journal of Immunology</i> , 2010, 184, 2355-2368.	0.8	85
16	Heterogeneity of macrophage activation in fish. <i>Developmental and Comparative Immunology</i> , 2011, 35, 1246-1255.	2.3	83
17	Activation of the Chicken Type I Interferon Response by Infectious Bronchitis Coronavirus. <i>Journal of Virology</i> , 2015, 89, 1156-1167.	3.4	81
18	Transcription of signal-3 cytokines, IL-12 and IFN- γ , coincides with the timing of CD8 α up-regulation during viral infection of common carp (<i>Cyprinus carpio</i> L.). <i>Molecular Immunology</i> , 2008, 45, 1531-1547.	2.2	80

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19	Infectious Bronchitis Coronavirus Limits Interferon Production by Inducing a Host Shutoff That Requires Accessory Protein 5b. <i>Journal of Virology</i> , 2016, 90, 7519-7528.	3.4	76
20	Comparative studies of Toll-like receptor signalling using zebrafish. <i>Developmental and Comparative Immunology</i> , 2014, 46, 35-52.	2.3	75
21	Evolutionary conservation of alternative activation of macrophages: Structural and functional characterization of arginase 1 and 2 in carp (<i>Cyprinus carpio</i> L.). <i>Molecular Immunology</i> , 2006, 43, 1116-1128.	2.2	67
22	Real-time gene expression analysis in carp (<i>Cyprinus carpio</i> L.) skin: Inflammatory responses to injury mimicking infection with ectoparasites. <i>Developmental and Comparative Immunology</i> , 2007, 31, 244-254.	2.3	62
23	Î²-Glucan-supplemented diets increase poly(I:C)-induced gene expression of Mx, possibly via Tlr3-mediated recognition mechanism in common carp (<i>Cyprinus carpio</i>). <i>Fish and Shellfish Immunology</i> , 2014, 36, 494-502.	3.6	58
24	Conserved Fever Pathways across Vertebrates: A Herpesvirus Expressed Decoy TNF-Î± Receptor Delays Behavioral Fever in Fish. <i>Cell Host and Microbe</i> , 2017, 21, 244-253.	11.0	57
25	Studies Into Î²-Glucan Recognition in Fish Suggests a Key Role for the C-Type Lectin Pathway. <i>Frontiers in Immunology</i> , 2019, 10, 280.	4.8	56
26	Receptor-Mediated and Lectin-Like Activities of Carp (<i>Cyprinus carpio</i>) TNF-Î±. <i>Journal of Immunology</i> , 2009, 183, 5319-5332.	0.8	55
27	Evidence of Trained Immunity in a Fish: Conserved Features in Carp Macrophages. <i>Journal of Immunology</i> , 2019, 203, 216-224.	0.8	54
28	Differential contribution of neutrophilic granulocytes and macrophages to nitrosative stress in a hostâ€‘parasite animal model. <i>Molecular Immunology</i> , 2008, 45, 3178-3189.	2.2	53
29	Transcriptional analysis of the common carp (<i>Cyprinus carpio</i> L.) immune response to the fish louse <i>Argulus japonicus</i> Thiele (Crustacea: Branchiura). <i>Fish and Shellfish Immunology</i> , 2008, 25, 76-83.	3.6	51
30	Properties of Carotenoids in Fish Fitness: A Review. <i>Marine Drugs</i> , 2020, 18, 568.	4.6	50
31	Major histocompatibility genes in cyprinid fishes: theory and practice. <i>Immunological Reviews</i> , 1998, 166, 301-316.	6.0	48
32	Trypanosomiasis-Induced Th17-Like Immune Responses in Carp. <i>PLoS ONE</i> , 2010, 5, e13012.	2.5	48
33	Molecular and functional characterization of Toll-like receptor (Tlr)1 and Tlr2 in common carp (<i>Cyprinus carpio</i> L.). <i>Journal of Immunology</i> , 2006, 176, 107-114.	0.784314	47
34	The Use of Real-Time Quantitative PCR for the Analysis of Cytokine mRNA Levels. <i>Methods in Molecular Biology</i> , 2012, 820, 7-23.	0.9	46
35	Genetic differences in natural antibody levels in common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2006, 21, 404-413.	3.6	44
36	Differential macrophage polarisation during parasitic infections in common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2006, 21, 561-571.	3.6	44

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37	Fish Macrophages Show Distinct Metabolic Signatures Upon Polarization. <i>Frontiers in Immunology</i> , 2020, 11, 152.	4.8	44
38	Carbohydrate utilisation by tilapia: a meta-analytical approach. <i>Reviews in Aquaculture</i> , 2020, 12, 1851-1866.	9.0	43
39	Molecular and functional characterization of the scavenger receptor CD36 in zebrafish and common carp. <i>Molecular Immunology</i> , 2015, 63, 381-393.	2.2	41
40	Differential transcription of multiple forms of alpha-2-macroglobulin in carp (<i>Cyprinus carpio</i>) infected with parasites. <i>Developmental and Comparative Immunology</i> , 2008, 32, 339-347.	2.3	39
41	Accessory molecules for Toll-like receptors in Teleost fish. Identification of TLR4 interactor with leucine-rich repeats (TRIL). <i>Molecular Immunology</i> , 2013, 56, 745-756.	2.2	38
42	Identification and functional characterization of nonmammalian Toll-like receptor 20. <i>Immunogenetics</i> , 2014, 66, 123-141.	2.4	38
43	Infectious Bronchitis Coronavirus Inhibits STAT1 Signaling and Requires Accessory Proteins for Resistance to Type I Interferon Activity. <i>Journal of Virology</i> , 2015, 89, 12047-12057.	3.4	38
44	Intramuscular DNA Vaccination of Juvenile Carp against Spring Viremia of Carp Virus Induces Full Protection and Establishes a Virus-Specific B and T Cell Response. <i>Frontiers in Immunology</i> , 2017, 8, 1340.	4.8	38
45	Major histocompatibility (MH) class II B gene polymorphism influences disease resistance of common carp (<i>Cyprinus carpio</i> L.). <i>Aquaculture</i> , 2009, 288, 44-50.	3.5	35
46	Lymphoid Tissue in Teleost Gills: Variations on a Theme. <i>Biology</i> , 2020, 9, 127.	2.8	35
47	Genomic and transcriptomic approaches to study immunology in cyprinids: What is next?. <i>Developmental and Comparative Immunology</i> , 2017, 75, 48-62.	2.3	31
48	The kinetics of cellular and humoral immune responses of common carp to presporogonic development of the myxozoan <i>Sphaerospora molnari</i> . <i>Parasites and Vectors</i> , 2019, 12, 208.	2.5	31
49	The induction of nitric oxide response of carp macrophages by transferrin is influenced by the allelic diversity of the molecule. <i>Fish and Shellfish Immunology</i> , 2009, 26, 632-638.	3.6	29
50	Different capacities of carp leukocytes to encounter nitric oxide-mediated stress: a role for the intracellular reduced glutathione pool. <i>Developmental and Comparative Immunology</i> , 2003, 27, 555-568.	2.3	28
51	Parasite infections revisited. <i>Developmental and Comparative Immunology</i> , 2005, 29, 749-758.	2.3	28
52	Transcriptome sequencing supports a conservation of macrophage polarization in fish. <i>Scientific Reports</i> , 2020, 10, 13470.	3.3	28
53	Visualizing trypanosomes in a vertebrate host reveals novel swimming behaviours, adaptations and attachment mechanisms. <i>ELife</i> , 2019, 8, .	6.0	25
54	Cyprinid Herpesvirus 3 Il10 Inhibits Inflammatory Activities of Carp Macrophages and Promotes Proliferation of Igm+ B Cells and Memory T Cells in a Manner Similar to Carp Il10. <i>Journal of Immunology</i> , 2015, 195, 3694-3704.	0.8	24

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55	<i>Pichia pastoris</i> yeast as a vehicle for oral vaccination of larval and adult teleosts. <i>Fish and Shellfish Immunology</i> , 2019, 85, 52-60.	3.6	24
56	Intra-muscular and oral vaccination using a Koi Herpesvirus ORF25 DNA vaccine does not confer protection in common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2019, 85, 90-98.	3.6	24
57	Molecular cloning and functional characterisation of a cathepsin L-like proteinase from the fish kinetoplastid parasite <i>Trypanosoma carassii</i> . <i>Fish and Shellfish Immunology</i> , 2008, 24, 205-214.	3.6	23
58	Immune-relevant thrombocytes of common carp undergo parasite-induced nitric oxide-mediated apoptosis. <i>Developmental and Comparative Immunology</i> , 2015, 50, 146-154.	2.3	23
59	Genetic resistance of carp (<i>Cyprinus carpio</i> L.) to <i>Trypanoplasma borreli</i> : Influence of transferrin polymorphisms. <i>Veterinary Immunology and Immunopathology</i> , 2009, 127, 19-25.	1.2	22
60	Carp II10a and II10b exert identical biological activities in vitro, but are differentially regulated in vivo. <i>Developmental and Comparative Immunology</i> , 2017, 67, 350-360.	2.3	21
61	Different transcriptional response between susceptible and resistant common carp (<i>Cyprinus carpio</i>) fish hints on the mechanism of CyHV-3 disease resistance. <i>BMC Genomics</i> , 2019, 20, 1019.	2.8	21
62	Nitric oxide hinders antibody clearance from the surface of <i>Trypanoplasma borreli</i> and increases susceptibility to complement-mediated lysis. <i>Molecular Immunology</i> , 2009, 46, 3188-3197.	2.2	20
63	<i>Trypanoplasma borreli</i> cysteine proteinase activities support a conservation of function with respect to digestion of host proteins in common carp. <i>Developmental and Comparative Immunology</i> , 2008, 32, 1348-1361.	2.3	19
64	A Novel Soluble Immune-Type Receptor (SITR) in Teleost Fish: Carp SITR Is Involved in the Nitric Oxide-Mediated Response to a Protozoan Parasite. <i>PLoS ONE</i> , 2011, 6, e15986.	2.5	18
65	High-Resolution, 3D Imaging of the Zebrafish Gill-Associated Lymphoid Tissue (GIALT) Reveals a Novel Lymphoid Structure, the Amphibranchial Lymphoid Tissue. <i>Frontiers in Immunology</i> , 2021, 12, 769901.	4.8	18
66	Allelic discrimination, three-dimensional analysis and gene expression of multiple transferrin alleles of common carp (<i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , 2009, 26, 573-581.	3.6	17
67	Mixed infection with <i>Trypanoplasma borreli</i> and <i>Trypanosoma carassii</i> induces protection: Involvement of cross-reactive antibodies. <i>Developmental and Comparative Immunology</i> , 2007, 31, 903-915.	2.3	15
68	Paralogs of Common Carp Granulocyte Colony-Stimulating Factor (G-CSF) Have Different Functions Regarding Development, Trafficking and Activation of Neutrophils. <i>Frontiers in Immunology</i> , 2019, 10, 255.	4.8	15
69	β -Glucan-Induced Immuno-Modulation: A Role for the Intestinal Microbiota and Short-Chain Fatty Acids in Common Carp. <i>Frontiers in Immunology</i> , 2021, 12, 761820.	4.8	15
70	The Occurrence of Mycotoxins in Raw Materials and Fish Feeds in Europe and the Potential Effects of Deoxynivalenol (DON) on the Health and Growth of Farmed Fish Species – A Review. <i>Toxins</i> , 2021, 13, 403.	3.4	14
71	Nitrosative Stress During Infection-Induced Inflammation in Fish: Lessons From a Host-Parasite Infection Model. <i>Current Pharmaceutical Design</i> , 2010, 16, 4194-4202.	1.9	13
72	cDNA expression library screening and identification of two novel antigens: Ubiquitin and receptor for activated C kinase (RACK) homologue, of the fish parasite <i>Trypanosoma carassii</i> . <i>Fish and Shellfish Immunology</i> , 2008, 25, 84-90.	3.6	12

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73	An early β -glucan bath during embryo development increases larval size of Nile tilapia. <i>Aquaculture Research</i> , 2019, 50, 2012-2014.	1.8	10
74	Minor effect of depletion of resident macrophages from peritoneal cavity on resistance of common carp <i>Cyprinus carpio</i> to blood flagellates. <i>Diseases of Aquatic Organisms</i> , 2003, 57, 67-75.	1.0	8
75	Classical crosses of common carp (<i>Cyprinus carpio</i> L.) show co-segregation of antibody response with major histocompatibility class II B genes. <i>Fish and Shellfish Immunology</i> , 2009, 26, 352-358.	3.6	8
76	Re-evaluation of common carp (<i>Cyprinus carpio</i> L.) housekeeping genes for gene expression studies "considering duplicated genes. <i>Fish and Shellfish Immunology</i> , 2021, 115, 58-69.	3.6	7
77	Patterns of the innate immune response in tambaqui <i>Colossoma macropomum</i> : Modulation of gene expression in haemorrhagic septicaemia caused by <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2021, 150, 104638.	2.9	6
78	Transcriptome Sequence of the Bloodstream Form of <i>Trypanoplasma borreli</i> , a Hematozoic Parasite of Fish Transmitted by Leeches. <i>Genome Announcements</i> , 2017, 5, .	0.8	5
79	Conservation of members of the free fatty acid receptor gene family in common carp. <i>Developmental and Comparative Immunology</i> , 2022, 126, 104240.	2.3	4
80	ETosis in tambaqui <i>Colossoma macropomum</i> : A programmed cell death pathway and approach of leukocytes immune response. <i>Microbial Pathogenesis</i> , 2021, 155, 104918.	2.9	3
81	Occurrence of foamy macrophages during the innate response of zebrafish to trypanosome infections. <i>ELife</i> , 2021, 10, .	6.0	3
82	Animal models for the study of innate immunity: protozoan infections in fish. , 2004, , 67-89.		2
83	Fish Macrophages. , 2022, , 203-227.		2
84	Macrophage Heterogeneity in the Intestinal Cells of Salmon: Hints From Transcriptomic and Imaging Data. <i>Frontiers in Immunology</i> , 2021, 12, 798156.	4.8	1
85	Preface to the special issue: Intestinal immunity. <i>Developmental and Comparative Immunology</i> , 2016, 64, 1.	2.3	0
86	Differences in growth of <i>Trypanoplasma borreli</i> in carp serum is dependent on transferrin genotype. <i>Fish and Shellfish Immunology</i> , 2021, 114, 58-64.	3.6	0