

# Geert F Wiegertjes

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84  
papers

3,394  
citations

33  
h-index

56  
g-index

91  
ext. papers

4,065  
ext. citations

5.4  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
84	Conservation of members of the free fatty acid receptor gene family in common carp. <i>Developmental and Comparative Immunology</i> , <b>2022</b> , 126, 104240	3.2	1
83	Fish Macrophages <b>2022</b> , 203-227		
82	βGlucan-Induced Immuno-Modulation: A Role for the Intestinal Microbiota and Short-Chain Fatty Acids in Common Carp.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 761820	8.4	0
81	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> , <b>2021</b> , 12, 769901	8.4	3
80	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> , <b>2021</b> , 13,	4.9	3
79	ETosis in tambaqui <i>Colossoma macropomum</i> : A programmed cell death pathway and approach of leukocytes immune response. <i>Microbial Pathogenesis</i> , <b>2021</b> , 155, 104918	3.8	0
78	Differences in growth of <i>Trypanoplasma borreli</i> in carp serum is dependent on transferrin genotype. <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 114, 58-64	4.3	
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> , <b>2021</b> , 150, 104638	3.8	1
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> , <b>2021</b> , 115, 58-69	4.3	0
75	Macrophage Heterogeneity in the Intestinal Cells of Salmon: Hints From Transcriptomic and Imaging Data.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 798156	8.4	0
74	Lymphoid Tissue in Teleost Gills: Variations on a Theme. <i>Biology</i> , <b>2020</b> , 9,	4.9	16
73	Fish Macrophages Show Distinct Metabolic Signatures Upon Polarization. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 152	8.4	20
72	Feed, Microbiota, and Gut Immunity: Using the Zebrafish Model to Understand Fish Health. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 114	8.4	52
71	Carbohydrate utilisation by tilapia: a meta-analytical approach. <i>Reviews in Aquaculture</i> , <b>2020</b> , 12, 1851	8.9	12
70	Properties of Carotenoids in Fish Fitness: A Review. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	6
69	Transcriptome sequencing supports a conservation of macrophage polarization in fish. <i>Scientific Reports</i> , <b>2020</b> , 10, 13470	4.9	16
68	Evidence of Trained Immunity in a Fish: Conserved Features in Carp Macrophages. <i>Journal of Immunology</i> , <b>2019</b> , 203, 216-224	5.3	33

67	An early $\beta$ -glucan bath during embryo development increases larval size of Nile tilapia. <i>Aquaculture Research</i> , <b>2019</b> , 50, 2012-2014	1.9	9
66	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> , <b>2019</b> , 12, 208	4	20
65	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> , <b>2019</b> , 10, 255	8.4	10
64	Studies Into $\beta$ -Glucan Recognition in Fish Suggests a Key Role for the C-Type Lectin Pathway. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 280	8.4	28
63	<i>Pichia pastoris</i> yeast as a vehicle for oral vaccination of larval and adult teleosts. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 85, 52-60	4.3	16
62	Visualizing trypanosomes in a vertebrate host reveals novel swimming behaviours, adaptations and attachment mechanisms. <i>ELife</i> , <b>2019</b> , 8,	8.9	16
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> , <b>2019</b> , 20, 1019	4.5	10
60	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> , <b>2019</b> , 85, 90-98	4.3	18
59	Exploring fish microbial communities to mitigate emerging diseases in aquaculture. <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	72
58	Transcriptome Sequence of the Bloodstream Form of , a Hematozoic Parasite of Fish Transmitted by Leeches. <i>Genome Announcements</i> , <b>2017</b> , 5,		4
57	Conserved Fever Pathways across Vertebrates: A Herpesvirus Expressed Decoy TNF- $\alpha$ Receptor Delays Behavioral Fever in Fish. <i>Cell Host and Microbe</i> , <b>2017</b> , 21, 244-253	23.4	38
56	Genomic and transcriptomic approaches to study immunology in cyprinids: What is next?. <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 75, 48-62	3.2	18
55	Carp Il10a and Il10b exert identical biological activities in vitro, but are differentially regulated in vivo. <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 67, 350-360	3.2	17
54	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> , <b>2017</b> , 8, 1340	8.4	27
53	Infectious Bronchitis Coronavirus Limits Interferon Production by Inducing a Host Shutoff That Requires Accessory Protein 5b. <i>Journal of Virology</i> , <b>2016</b> , 90, 7519-7528	6.6	43
52	Long-lived effects of administering $\beta$ -glucans: Indications for trained immunity in fish. <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 64, 93-102	3.2	98
51	Polarization of immune responses in fish: The Macrophages first point of view. <i>Molecular Immunology</i> , <b>2016</b> , 69, 146-56	4.3	87
50	Molecular and functional characterization of Toll-like receptor (Tlr)1 and Tlr2 in common carp ( <i>Cyprinus carpio</i> ). <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 56, 70-83	4.3	30

49	Infectious Bronchitis Coronavirus Inhibits STAT1 Signaling and Requires Accessory Proteins for Resistance to Type I Interferon Activity. <i>Journal of Virology</i> , <b>2015</b> , 89, 12047-57	6.6	32
48	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> , <b>2015</b> , 195, 3694-704	5.3	21
47	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> , <b>2015</b> , 194, 187-99	5.3	74
46	Activation of the chicken type I interferon response by infectious bronchitis coronavirus. <i>Journal of Virology</i> , <b>2015</b> , 89, 1156-67	6.6	69
45	Molecular and functional characterization of the scavenger receptor CD36 in zebrafish and common carp. <i>Molecular Immunology</i> , <b>2015</b> , 63, 381-93	4.3	30
44	Immune-relevant thrombocytes of common carp undergo parasite-induced nitric oxide-mediated apoptosis. <i>Developmental and Comparative Immunology</i> , <b>2015</b> , 50, 146-54	3.2	14
43	Comparative studies of Toll-like receptor signalling using zebrafish. <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 46, 35-52	3.2	55
42	Ligand specificities of Toll-like receptors in fish: indications from infection studies. <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 43, 205-22	3.2	148
41	βGlucan-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> , <b>2014</b> , 36, 494-502	4.3	43
40	Identification and functional characterization of nonmammalian Toll-like receptor 20. <i>Immunogenetics</i> , <b>2014</b> , 66, 123-41	3.2	33
39	Accessory molecules for Toll-like receptors in Teleost fish. Identification of TLR4 interactor with leucine-rich repeats (TRIL). <i>Molecular Immunology</i> , <b>2013</b> , 56, 745-56	4.3	30
38	Comparison of the exomes of common carp ( <i>Cyprinus carpio</i> ) and zebrafish ( <i>Danio rerio</i> ). <i>Zebrafish</i> , <b>2012</b> , 9, 59-67	2	67
37	Molecular cloning and expression of two βdefensin and two mucin genes in common carp ( <i>Cyprinus carpio</i> L.) and their up-regulation after βglucan feeding. <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 494-501	4.3	96
36	The use of real-time quantitative PCR for the analysis of cytokine mRNA levels. <i>Methods in Molecular Biology</i> , <b>2012</b> , 820, 7-23	1.4	31
35	Heterogeneity of macrophage activation in fish. <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 1246-55	3.2	68
34	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> , <b>2011</b> , 6, e15986	3.7	13
33	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> , <b>2010</b> , 184, 2355-68	5.3	76
32	Nitrosative stress during infection-induced inflammation in fish: lessons from a host-parasite infection model. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 4194-202	3.3	13

31	Trypanosomiasis-induced Th17-like immune responses in carp. <i>PLoS ONE</i> , <b>2010</b> , 5, e13012	3-7	41
30	Receptor-mediated and lectin-like activities of carp ( <i>Cyprinus carpio</i> ) TNF-alpha. <i>Journal of Immunology</i> , <b>2009</b> , 183, 5319-32	5-3	48
29	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> , <b>2009</b> , 26, 352-8	4-3	8
28	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> , <b>2009</b> , 26, 573-81	4-3	14
27	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> , <b>2009</b> , 26, 632-8	4-3	24
26	Genetic resistance of carp ( <i>Cyprinus carpio</i> L.) to <i>Trypanoplasma borreli</i> : influence of transferrin polymorphisms. <i>Veterinary Immunology and Immunopathology</i> , <b>2009</b> , 127, 19-25	2	21
25	Nitric oxide hinders antibody clearance from the surface of <i>Trypanoplasma borreli</i> and increases susceptibility to complement-mediated lysis. <i>Molecular Immunology</i> , <b>2009</b> , 46, 3188-97	4-3	20
24	Major histocompatibility (MH) class II B gene polymorphism influences disease resistance of common carp ( <i>Cyprinus carpio</i> L.). <i>Aquaculture</i> , <b>2009</b> , 288, 44-50	4-4	33
23	Transcription of signal-3 cytokines, IL-12 and IFN alpha beta, coincides with the timing of CD8 alpha beta up-regulation during viral infection of common carp ( <i>Cyprinus carpio</i> L.). <i>Molecular Immunology</i> , <b>2008</b> , 45, 1531-47	4-3	68
22	Differential contribution of neutrophilic granulocytes and macrophages to nitrosative stress in a host-parasite animal model. <i>Molecular Immunology</i> , <b>2008</b> , 45, 3178-89	4-3	50
21	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> , <b>2008</b> , 24, 205-14	4-3	18
20	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> , <b>2008</b> , 25, 76-83	4-3	45
19	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> , <b>2008</b> , 25, 84-90	4-3	11
18	Differential transcription of multiple forms of alpha-2-macroglobulin in carp ( <i>Cyprinus carpio</i> ) infected with parasites. <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 339-47	3-2	33
17	<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> , <b>2008</b> , 32, 1348-61	3-2	15
16	Differential expression of two interferon-gamma genes in common carp ( <i>Cyprinus carpio</i> L.). <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 1467-81	3-2	100
15	Hydrodynamic flow-mediated protein sorting on the cell surface of trypanosomes. <i>Cell</i> , <b>2007</b> , 131, 505-15	56.2	290
14	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> , <b>2007</b> , 31, 244-54	3-2	57

13	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> , <b>2007</b> , 31, 903-15 <sup>3.2</sup>	13
12	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> , <b>2006</b> , 177, 61-9	5.3 111
11	Genetic differences in natural antibody levels in common carp ( <i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , <b>2006</b> , 21, 404-13	4.3 40
10	Differential macrophage polarisation during parasitic infections in common carp ( <i>Cyprinus carpio</i> L.). <i>Fish and Shellfish Immunology</i> , <b>2006</b> , 21, 561-71	4.3 41
9	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> , <b>2006</b> , 43, 1116-28 <sup>4.3</sup>	62
8	Parasite infections revisited. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 749-58	3.2 27
7	Animal models for the study of innate immunity: protozoan infections in fish <b>2004</b> , 67-89	0
6	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> , <b>2003</b> , 57, 67-75	1.7 5
5	Molecular and functional characterization of carp TNF: a link between TNF polymorphism and trypanotolerance?. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 29-41	3.2 139
4	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> , <b>2003</b> , 27, 555-68	3.2 24
3	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> , <b>2003</b> , 27, 859-74	3.2 98
2	Major histocompatibility genes in cyprinid fishes: theory and practice. <i>Immunological Reviews</i> , <b>1998</b> , 166, 301-16	11.3 44
1	Immunogenetics of disease resistance in fish: a comparative approach. <i>Developmental and Comparative Immunology</i> , <b>1996</b> , 20, 365-81	3.2 255