

Catherine Werts

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

5,679
citations

117619

34
h-index

98792

67
g-index

82
all docs

82
docs citations

82
times ranked

6657
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymphoid tissue genesis induced by commensals through NOD1 regulates intestinal homeostasis. <i>Nature</i> , 2008, 456, 507-510.	27.8	920
2	Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism. <i>Nature Immunology</i> , 2001, 2, 346-352.	14.5	637
3	Toll-like receptor 2-dependent bacterial sensing does not occur via peptidoglycan recognition. <i>EMBO Reports</i> , 2004, 5, 1000-1006.	4.5	435
4	Synergistic stimulation of human monocytes and dendritic cells by Toll-like receptor 4 and NOD1- and NOD2-activating agonists. <i>European Journal of Immunology</i> , 2005, 35, 2459-2470.	2.9	312
5	The Ubiquitin-Editing Enzyme A20 Restricts Nucleotide-Binding Oligomerization Domain Containing 2-Triggered Signals. <i>Immunity</i> , 2008, 28, 381-390.	14.3	309
6	Differential TLR Recognition of Leptospiral Lipid A and Lipopolysaccharide in Murine and Human Cells. <i>Journal of Immunology</i> , 2005, 175, 6022-6031.	0.8	181
7	<i>Helicobacter pylori</i> Heat Shock Protein 60 Mediates Interleukin-6 Production by Macrophages via a Toll-like Receptor (TLR)-2-, TLR-4-, and Myeloid Differentiation Factor 88-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 245-250.	3.4	151
8	A Methylated Phosphate Group and Four Amide-linked Acyl Chains in <i>Leptospira interrogans</i> Lipid A. <i>Journal of Biological Chemistry</i> , 2004, 279, 25420-25429.	3.4	141
9	TIR, CARD and PYRIN: three domains for an antimicrobial triad. <i>Cell Death and Differentiation</i> , 2006, 13, 798-815.	11.2	134
10	TLR4- and TLR2-Mediated B Cell Responses Control the Clearance of the Bacterial Pathogen, <i>Leptospira interrogans</i> . <i>Journal of Immunology</i> , 2009, 183, 2669-2677.	0.8	126
11	Renal Collecting Duct Epithelial Cells React to Pyelonephritis-Associated <i>Escherichia coli</i> by Activating Distinct TLR4-Dependent and -Independent Inflammatory Pathways. <i>Journal of Immunology</i> , 2006, 177, 4773-4784.	0.8	119
12	Toll-like Receptor-mediated Tumor Necrosis Factor and Interleukin-10 Production Differ during Systemic Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 168, 158-164.	5.6	106
13	Role of AmiA in the Morphological Transition of <i>Helicobacter pylori</i> and in Immune Escape. <i>PLoS Pathogens</i> , 2006, 2, e97.	4.7	102
14	Permissive sites and topology of an outer membrane protein with a reporter epitope. <i>Journal of Bacteriology</i> , 1991, 173, 262-275.	2.2	97
15	Heat shock protein gp96 and NAD(P)H oxidase 4 play key roles in Toll-like receptor 4-activated apoptosis during renal ischemia/reperfusion injury. <i>Cell Death and Differentiation</i> , 2010, 17, 1474-1485.	11.2	87
16	Intestinal CD103+ Dendritic Cells Are Key Players in the Innate Immune Control of <i>Cryptosporidium parvum</i> Infection in Neonatal Mice. <i>PLoS Pathogens</i> , 2013, 9, e1003801.	4.7	83
17	Animal Models of Leptospirosis: Of Mice and Hamsters. <i>Frontiers in Immunology</i> , 2017, 8, 58.	4.8	82
18	Live Imaging of Bioluminescent <i>Leptospira interrogans</i> in Mice Reveals Renal Colonization as a Stealth Escape from the Blood Defenses and Antibiotics. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3359.	3.0	80

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19	Nod1 and Nod2 induce CCL5/RANTES through the NF- κ B pathway. <i>European Journal of Immunology</i> , 2007, 37, 2499-2508.	2.9	75
20	Adsorption of bacteriophage lambda on the LamB protein of <i>Escherichia coli</i> K-12: point mutations in gene J of lambda responsible for extended host range. <i>Journal of Bacteriology</i> , 1994, 176, 941-947.	2.2	74
21	<i>Leptospira Interrogans</i> Induces Fibrosis in the Mouse Kidney through Inos-Dependent, TLR- and NLR-Independent Signaling Pathways. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2664.	3.0	74
22	The Frameshift Mutation in Nod2 Results in Unresponsiveness Not Only to Nod2- but Also Nod1-activating Peptidoglycan Agonists. <i>Journal of Biological Chemistry</i> , 2005, 280, 35859-35867.	3.4	73
23	Downregulation of the Na/K-ATPase Pump by <i>Leptospiral</i> Glycolipoprotein Activates the NLRP3 Inflammasome. <i>Journal of Immunology</i> , 2012, 188, 2805-2814.	0.8	72
24	TLR9-Dependent Induction of Intestinal α -Defensins by <i>Toxoplasma gondii</i> . <i>Journal of Immunology</i> , 2010, 184, 7022-7029.	0.8	62
25	Innate immune memory through TLR2 and NOD2 contributes to the control of <i>Leptospira interrogans</i> infection. <i>PLoS Pathogens</i> , 2019, 15, e1007811.	4.7	55
26	Poly(I:C)-Induced Protection of Neonatal Mice Against Intestinal <i>Cryptosporidium parvum</i> Infection Requires an Additional TLR5 Signal Provided by the Gut Flora. <i>Journal of Infectious Diseases</i> , 2014, 209, 457-467.	4.0	51
27	Nod-like receptors in intestinal homeostasis, inflammation, and cancer. <i>Journal of Leukocyte Biology</i> , 2011, 90, 471-482.	3.3	49
28	Calcineurin/NFAT signaling and innate host defence: a role for NOD1-mediated phagocytic functions. <i>Cell Communication and Signaling</i> , 2014, 12, 8.	6.5	48
29	Cyclosporine A Impairs Nucleotide Binding Oligomerization Domain (Nod1)-Mediated Innate Antibacterial Renal Defenses in Mice and Human Transplant Recipients. <i>PLoS Pathogens</i> , 2013, 9, e1003152.	4.7	45
30	LipL21 lipoprotein binding to peptidoglycan enables <i>Leptospira interrogans</i> to escape NOD1 and NOD2 recognition. <i>PLoS Pathogens</i> , 2017, 13, e1006725.	4.7	45
31	Simple Method for Repurification of Endotoxins for Biological Use. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1803-1808.	3.1	43
32	Role of Nods in bacterial infection. <i>Microbes and Infection</i> , 2007, 9, 629-636.	1.9	43
33	Heat Shock Protein gp96 Interacts with Protein Phosphatase 5 and Controls Toll-like Receptor 2 (TLR2)-mediated Activation of Extracellular Signal-regulated Kinase (ERK) 1/2 in Post-hypoxic Kidney Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 12541-12549.	3.4	42
34	<i>Toxoplasma gondii</i> and subversion of the immune system. <i>Trends in Parasitology</i> , 2006, 22, 448-452.	3.3	39
35	A Genetic System to Elicit and Monitor Anti-Peptide Antibodies Without Peptide Synthesis. <i>Nature Biotechnology</i> , 1991, 9, 170-172.	17.5	37
36	Enzymatic Synthesis of Lipid A Molecules with Four Amide-linked Acyl Chains. <i>Journal of Biological Chemistry</i> , 2004, 279, 25411-25419.	3.4	34

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37	LIM-Only Protein FHL2 Activates NF- κ B Signaling in the Control of Liver Regeneration and Hepatocarcinogenesis. <i>Molecular and Cellular Biology</i> , 2013, 33, 3299-3308.	2.3	33
38	CCL20 Displays Antimicrobial Activity Against <i>Cryptosporidium parvum</i> , but Its Expression Is Reduced During Infection in the Intestine of Neonatal Mice. <i>Journal of Infectious Diseases</i> , 2015, 212, 1332-1340.	4.0	33
39	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins. <i>PLoS Pathogens</i> , 2020, 16, e1008639.	4.7	31
40	CCL17 Production by Dendritic Cells Is Required for NOD1-mediated Exacerbation of Allergic Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 899-908.	5.6	28
41	Mycobacterial Phenolic Glycolipids Selectively Disable TRIF-Dependent TLR4 Signaling in Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 2.	4.8	28
42	Flagellin/TLR5 signalling activates renal collecting duct cells and facilitates invasion and cellular translocation of uropathogenic <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 2014, 16, 1503-1517.	2.1	27
43	Common Cell Shape Evolution of Two Nasopharyngeal Pathogens. <i>PLoS Genetics</i> , 2015, 11, e1005338.	3.5	26
44	DNA sequence analysis of the lamB gene from <i>Klebsiella pneumoniae</i> : implications for the topology and the pore functions in maltoporin. <i>Molecular Genetics and Genomics</i> , 1992, 233, 372-378.	2.4	25
45	Phagocyte Escape of <i>Leptospira</i> : The Role of TLRs and NLRs. <i>Frontiers in Immunology</i> , 2020, 11, 571816.	4.8	25
46	Pre-treatment with <i>Lactobacillus plantarum</i> prevents severe pathogenesis in mice infected with <i>Leptospira interrogans</i> and may be associated with recruitment of myeloid cells. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005870.	3.0	25
47	A role for residue 151 of LamB in bacteriophage lambda adsorption: possible steric effect of amino acid substitutions. <i>Journal of Bacteriology</i> , 1994, 176, 3204-3209.	2.2	24
48	TNF- α , inefficient by itself, potentiates IL-1 β -induced PGHS-2 expression in human pulmonary microvascular endothelial cells: requirement of NF- κ B and p38 MAPK pathways. <i>British Journal of Pharmacology</i> , 2002, 136, 1005-1014.	5.4	24
49	Inhibition by eicosapentaenoic acid of IL-1 β -induced PGHS-2 expression in human microvascular endothelial cells: involvement of lipoxygenase-derived metabolites and p38 MAPK pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1631, 77-84.	2.4	24
50	Recent findings related to immune responses against leptospirosis and novel strategies to prevent infection. <i>Microbes and Infection</i> , 2018, 20, 578-588.	1.9	24
51	Penicillin Resistance Compromises Nod1-Dependent Proinflammatory Activity and Virulence Fitness of <i>Neisseria meningitidis</i> . <i>Cell Host and Microbe</i> , 2013, 13, 735-745.	11.0	23
52	Interaction of <i>Leptospira</i> with the Innate Immune System. <i>Current Topics in Microbiology and Immunology</i> , 2017, 415, 163-187.	1.1	23
53	The Effect of Bulgecin A on Peptidoglycan Metabolism and Physiology of <i>Helicobacter pylori</i> . <i>Microbial Drug Resistance</i> , 2012, 18, 230-239.	2.0	22
54	Escape of TLR5 Recognition by <i>Leptospira</i> spp.: A Rationale for Atypical Endoflagella. <i>Frontiers in Immunology</i> , 2020, 11, 2007.	4.8	21

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55	The route of infection with <i>Leptospira interrogans</i> serovar Copenhageni affects the kinetics of bacterial dissemination and kidney colonization. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007950.	3.0	20
56	Leptospirosis: a Toll road from B lymphocytes. <i>Chang Gung Medical Journal</i> , 2010, 33, 591-601.	0.7	18
57	LIM-Only Protein FHL2 Is a Negative Regulator of Transforming Growth Factor β 1 Expression. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	15
58	Alive Pathogenic and Saprophytic Leptospire Enter and Exit Human and Mouse Macrophages With No Intracellular Replication. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	13
59	Immunological relatedness of the LamB proteins among members of Enterobacteriaceae. <i>Journal of General Microbiology</i> , 1993, 139, 881-887.	2.3	12
60	Anti- <i>Leptospira</i> immunoglobulin profiling in mice reveals strain specific IgG and persistent IgM responses associated with virulence and renal colonization. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0008970.	3.0	12
61	Purification of LPS from <i>Leptospira</i> . <i>Methods in Molecular Biology</i> , 2020, 2134, 53-65.	0.9	9
62	Peptidoglycan and Nod Receptor. , 2015, , 737-747.		9
63	Role of TLR4 in Persistent <i>Leptospira interrogans</i> Infection: A Comparative In Vivo Study in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 572999.	4.8	6
64	First evidence for a restriction "modification system in <i>Leptospira</i> sp.1. <i>FEMS Microbiology Letters</i> , 2001, 201, 139-143.	1.8	5
65	In Vivo Imaging of Bioluminescent Leptospire. <i>Methods in Molecular Biology</i> , 2020, 2134, 149-160.	0.9	4
66	Transient Presence of Live <i>Leptospira interrogans</i> in Murine Testes. <i>Microbiology Spectrum</i> , 2022, 10, e0277521.	3.0	4
67	Pathogenic Leptospire Limit Dendritic Cell Activation Through Avoidance of TLR4 and TRIF Signaling. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4
68	Peptidoglycan and Nod Receptor. , 2014, , 1-10.		3
69	Construction and first characterization of two reciprocal hybrids between LamB from <i>Escherichia coli</i> K12 and <i>Klebsiella pneumoniae</i> . <i>Research in Microbiology</i> , 1993, 144, 259-269.	2.1	2
70	The Maltose B Region in <i>Salmonella Typhimurium</i> , <i>Escherichia Coli</i> and Other Enterobacteriaceae. , 1993, , 91-104.		2
71	Murine Models for Leptospirosis Kidney Disease. <i>Translational Research in Biomedicine</i> , 2019, , 65-75.	0.4	1
72	Abstract 2337: Loss of the LIM-only protein FHL2 enhances TGF- β 2 expression and fibrogenesis. , 2014, , .		0

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73	Title is missing!. , 2020, 16, e1008639.		0
74	Title is missing!. , 2020, 16, e1008639.		0
75	Title is missing!.. , 2020, 16, e1008639.		0
76	Title is missing!.. , 2020, 16, e1008639.		0