Jeroen P J Saeij

List of Publications by Year
in descending order

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84 papers	12,290 citations	57631 44 h-index	71532 76 g-index
91 all docs	91 docs citations	91 times ranked	15065 citing authors

#	Article	IF	Citations
1	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. Immunity, 2014, 41, 14-20.	6.6	4,638
2	A Genome-wide CRISPR Screen in Toxoplasma Identifies Essential Apicomplexan Genes. Cell, 2016, 166, 1423-1435.e12.	13.5	667
3	Polymorphic Secreted Kinases Are Key Virulence Factors in Toxoplasmosis. Science, 2006, 314, 1780-1783.	6.0	563
4	Toxoplasma co-opts host gene expression by injection of a polymorphic kinase homologue. Nature, 2007, 445, 324-327.	13.7	540
5	Strain-specific activation of the NF-Î°B pathway by GRA15, a novel Toxoplasma gondii dense granule protein. Journal of Experimental Medicine, 2011, 208, 195-212.	4.2	375
6	Differences among the three major strains of Toxoplasma gondii and their specific interactions with the infected host. Trends in Parasitology, 2005, 21, 476-481.	1.5	284
7	Polymorphic family of injected pseudokinases is paramount in Toxoplasma virulence. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9625-9630.	3.3	251
8	Dual Role for Inflammasome Sensors NLRP1 and NLRP3 in Murine Resistance to Toxoplasma gondii. MBio, 2014, 5, .	1.8	244
9	Local admixture of amplified and diversified secreted pathogenesis determinants shapes mosaic Toxoplasma gondii genomes. Nature Communications, 2016, 7, 10147.	5.8	243
10	Toxoplasma Polymorphic Effectors Determine Macrophage Polarization and Intestinal Inflammation. Cell Host and Microbe, 2011, 9, 472-483.	5.1	238
11	The Rhoptry Proteins ROP18 and ROP5 Mediate Toxoplasma gondii Evasion of the Murine, But Not the Human, Interferon-Gamma Response. PLoS Pathogens, 2012, 8, e1002784.	2.1	222
12	The Toxoplasma Dense Granule Proteins GRA17 and GRA23 Mediate the Movement of Small Molecules between the Host and the Parasitophorous Vacuole. Cell Host and Microbe, 2015, 17, 642-652.	5.1	208
13	Bioluminescence Imaging of Toxoplasma gondii Infection in Living Mice Reveals Dramatic Differences between Strains. Infection and Immunity, 2005, 73, 695-702.	1.0	187
14	Toxoplasma gondii effectors are master regulators of the inflammatory response. Trends in Parasitology, 2011, 27, 487-495.	1.5	187
15	Identification of a Master Regulator of Differentiation in Toxoplasma. Cell, 2020, 180, 359-372.e16.	13.5	170
16	Communication between Toxoplasma gondii and its host: impact on parasite growth, development, immune evasion, and virulence. Apmis, 2009, 117, 458-476.	0.9	158
17	Molecular and functional characterization of carp TNF: a link between TNF polymorphism and trypanotolerance?. Developmental and Comparative Immunology, 2003, 27, 29-41.	1.0	151
18	Molecular and functional characterization of a fish inducible-type nitric oxide synthase. Immunogenetics, 2000, 51, 339-346.	1.2	135

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19	Inflammasome Sensor NLRP1 Controls Rat Macrophage Susceptibility to Toxoplasma gondii. PLoS Pathogens, 2014, 10, e1003927.	2.1	127
20	Determinants of GBP Recruitment to Toxoplasma gondii Vacuoles and the Parasitic Factors That Control It. PLoS ONE, 2011, 6, e24434.	1.1	123
21	The immune response of carp to Trypanoplasma borreli: kinetics of immune gene expression and polyclonal lymphocyte activation. Developmental and Comparative Immunology, 2003, 27, 859-874.	1.0	116
22	Just one cross appears capable of dramatically altering the population biology of a eukaryotic pathogen like Toxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10514-10519.	3.3	112
23	Transcriptional Analysis of Murine Macrophages Infected with Different Toxoplasma Strains Identifies Novel Regulation of Host Signaling Pathways. PLoS Pathogens, 2013, 9, e1003779.	2.1	111
24	Daily handling stress reduces resistance of carp to Trypanoplasma borreli: in vitro modulatory effects of cortisol on leukocyte function and apoptosis. Developmental and Comparative Immunology, 2003, 27, 233-245.	1.0	103
25	miR-146a and miR-155 Delineate a MicroRNA Fingerprint Associated with Toxoplasma Persistence in the Host Brain. Cell Reports, 2014, 6, 928-937.	2.9	96
26	Exposing Toxoplasma gondii hiding inside the vacuole: a role for GBPs, autophagy and host cell death. Current Opinion in Microbiology, 2017, 40, 72-80.	2.3	91
27	Toxoplasma gondii Rhoptry 16 Kinase Promotes Host Resistance to Oral Infection and Intestinal Inflammation Only in the Context of the Dense Granule Protein GRA15. Infection and Immunity, 2013, 81, 2156-2167.	1.0	90
28	Admixture and recombination among Toxoplasma gondii lineages explain global genome diversity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13458-13463.	3.3	83
29	Differential expression and haplotypic variation of two interleukin-1Î² genes in the common carp (Cyprinus carpio L.). Cytokine, 2003, 22, 21-32.	1.4	82
30	Toxoplasma gondii Superinfection and Virulence during Secondary Infection Correlate with the ExactROP5/ROP18Allelic Combination. MBio, 2015, 6, e02280.	1.8	78
31	Cell Death of Gamma Interferon-Stimulated Human Fibroblasts upon Toxoplasma gondii Infection Induces Early Parasite Egress and Limits Parasite Replication. Infection and Immunity, 2013, 81, 4341-4349.	1.0	74
32	Immune modulation by fish kinetoplastid parasites: a role for nitric oxide. Parasitology, 2002, 124, 77-86.	0.7	73
33	Toxoplasma and Plasmodium protein kinases: Roles in invasion and host cell remodelling. International Journal for Parasitology, 2012, 42, 21-32.	1.3	71
34	Toxoplasma gondii Inhibits Gamma Interferon (IFN-Î³)- and IFN-Î²-Induced Host Cell STAT1 Transcriptional Activity by Increasing the Association of STAT1 with DNA. Infection and Immunity, 2014, 82, 706-719.	1.0	69
35	InÂVivo CRISPR Screen Identifies TgWIP as a Toxoplasma Modulator of Dendritic Cell Migration. Cell Host and Microbe, 2019, 26, 478-492.e8.	5.1	69
36	Ontogeny of the common carp (Cyprinus carpio L.) innate immune system. Developmental and Comparative Immunology, 2006, 30, 557-574.	1.0	67

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37	Genetic basis for phenotypic differences between different Toxoplasma gondii type I strains. BMC Genomics, 2013, 14, 467.	1.2	63
38	Toxoplasma gondii Clonal Strains All Inhibit STAT1 Transcriptional Activity but Polymorphic Effectors Differentially Modulate IFNÎ³ Induced Gene Expression and STAT1 Phosphorylation. PLoS ONE, 2012, 7, e51448.	1.1	60
39	Three Toxoplasma gondii Dense Granule Proteins Are Required for Induction of Lewis Rat Macrophage Pyroptosis. MBio, 2019, 10, .	1.8	59
40	Toxoplasma gondii: Inconsistent dissemination patterns following oral infection in mice. Experimental Parasitology, 2007, 116, 302-305.	0.5	57
41	A Cluster of Four Surface Antigen Genes Specifically Expressed in Bradyzoites,SAG2CDXY, Plays an Important Role inToxoplasma gondiiPersistence. Infection and Immunity, 2008, 76, 2402-2410.	1.0	56
42	Toxoplasma GRA15 Activates the NF-ÎºB Pathway through Interactions with TNF Receptor-Associated Factors. MBio, 2019, 10, .	1.8	56
43	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. Immunity, 2014, 41, 339-340.	6.6	53
44	Influence of the Host and Parasite Strain on the Immune Response During Toxoplasma Infection. Frontiers in Cellular and Infection Microbiology, 2020, 10, 580425.	1.8	51
45	Major histocompatibility genes in cyprinid fishes: theory and practice. Immunological Reviews, 1998, 166, 301-316.	2.8	48
46	The human immune response to Toxoplasma: Autophagy versus cell death. PLoS Pathogens, 2017, 13, e1006176.	2.1	45
47	Genome-wide screens identify Toxoplasma gondii determinants of parasite fitness in IFNÎ³-activated murine macrophages. Nature Communications, 2020, 11, 5258.	5.8	45
48	Expression Quantitative Trait Locus Mapping of Toxoplasma Genes Reveals Multiple Mechanisms for Strain-Specific Differences in Gene Expression. Eukaryotic Cell, 2008, 7, 1403-1414.	3.4	42
49	De novo reconstruction of the Toxoplasma gondii transcriptome improves on the current genome annotation and reveals alternatively spliced transcripts and putative long non-coding RNAs. BMC Genomics, 2012, 13, 696.	1.2	38
50	ToxoplasmaMechanisms for Delivery of Proteins and Uptake of Nutrients Across the Host-Pathogen Interface. Annual Review of Microbiology, 2020, 74, 567-586.	2.9	34
51	Identification and characterization of a fish natural resistance-associated macrophage protein () Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.2	32
52	Toxoplasma <scp>GRA</scp> 15 limits parasite growth in <scp>IFN</scp> Î³â€activated fibroblasts through <scp>TRAF</scp> ubiquitin ligases. EMBO Journal, 2020, 39, e103758.	3.5	31
53	Identification of three novel Toxoplasma gondii rhoptry proteins. International Journal for Parasitology, 2014, 44, 147-160.	1.3	30
54	Toxoplasma Does Not Secrete the GRA16 and GRA24 Effectors Beyond the Parasitophorous Vacuole Membrane of Tissue Cysts. Frontiers in Cellular and Infection Microbiology, 2018, 8, 366.	1.8	29

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55	Different capacities of carp leukocytes to encounter nitric oxide-mediated stress: a role for the intracellular reduced glutathione pool. Developmental and Comparative Immunology, 2003, 27, 555-568.	1.0	28
56	Clonal and atypical Toxoplasma strain differences in virulence vary with mouse sub-species. International Journal for Parasitology, 2019, 49, 63-70.	1.3	27
57	Cactin is essential for G1 progression in Toxoplasma gondii. Molecular Microbiology, 2012, 84, 566-577.	1.2	26
58	Analysis of gene expression during development: lessons from the Apicomplexa. Microbes and Infection, 2006, 8, 1623-1630.	1.0	25
59	The GRA17 Parasitophorous Vacuole Membrane Permeability Pore Contributes to Bradyzoite Viability. Frontiers in Cellular and Infection Microbiology, 2019, 9, 321.	1.8	24
60	ToxoplasmaÂ GRA15 and GRA24 are important activators of the host innate immune response in the absence of TLR11. PLoS Pathogens, 2020, 16, e1008586.	2.1	24
61	Transcriptional and Linkage Analyses Identify Loci that Mediate the Differential Macrophage Response to Inflammatory Stimuli and Infection. PLoS Genetics, 2015, 11, e1005619.	1.5	21
62	Serotyping of Toxoplasma gondii Infection Using Peptide Membrane Arrays. Frontiers in Cellular and Infection Microbiology, 2019, 9, 408.	1.8	20
63	Structure of the Toxoplasma gondii ROP18 Kinase Domain Reveals a Second Ligand Binding Pocket Required for Acute Virulence. Journal of Biological Chemistry, 2013, 288, 34968-34980.	1.6	18
64	Toxoplasma gondii Matrix Antigen 1 Is a Secreted Immunomodulatory Effector. MBio, 2021, 12, .	1.8	18
65	Toxoplasma CRISPR/Cas9 constructs are functional for gene disruption in Neospora caninum. International Journal for Parasitology, 2018, 48, 597-600.	1.3	16
66	NaÃ¯ve CD8 T cell IFNÎ³ responses to a vacuolar antigen are regulated by an inflammasome-independent NLRP3 pathway and Toxoplasma gondii ROP5. PLoS Pathogens, 2020, 16, e1008327.	2.1	16
67	The genetic basis for individual differences in mRNA splicing and APOBEC1 editing activity in murine macrophages. Genome Research, 2014, 24, 377-389.	2.4	13
68	Protozoal encephalitis associated with Sarcocystis calchasi and S. falcatula during an epizootic involving Brandt's cormorants (Phalacrocorax penicillatus) in coastal Southern California, USA. International Journal for Parasitology: Parasites and Wildlife, 2020, 12, 185-191.	0.6	10
69	Comparative tachyzoite proteome analyses among six Neospora caninum isolates with different virulence. International Journal for Parasitology, 2020, 50, 377-388.	1.3	10
70	Minor effect of depletion of resident macrophages from peritoneal cavity on resistance of common carp Cyprinus carpio to blood flagellates. Diseases of Aquatic Organisms, 2003, 57, 67-75.	0.5	8
71	Assays to Evaluate Toxoplasmaâ€“Macrophage Interactions. Methods in Molecular Biology, 2020, 2071, 347-370.	0.4	8
72	Sarcocystis calchasi and other Sarcocystidae detected in predatory birds in California, USA. International Journal for Parasitology: Parasites and Wildlife, 2022, 17, 91-99.	0.6	8

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73	Early Interactions of Murine Macrophages with Francisella tularensis Map to Mouse Chromosome 19. MBio, 2016, 7, e02243.	1.8	6
74	Toxoplasma GRA Peptide-Specific Serologic Fingerprints Discriminate Among Major Strains Causing Toxoplasmosis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 621738.	1.8	6
75	Incorporating alternative splicing and mRNA editing into the genetic analysis of complex traits. BioEssays, 2014, 36, 1032-1040.	1.2	4
76	TheToxoplasmaPolymorphic Effector GRA15 Mediates Seizure Induction by Modulating Interleukin-1 Signaling in the Brain. MBio, 2021, 12, e0133121.	1.8	4
77	Identification of a Master Regulator of Differentiation in Toxoplasma. SSRN Electronic Journal, 0, , .	0.4	4
78	New Avenues to Design Toxoplasma Vaccines Based on Oocysts and Cysts. Frontiers in Immunology, 0, 13, .	2.2	3
79	Development and application of classical genetics in Toxoplasma gondii. , 2020, , 859-896.		2
80	CRISPR screen to determine the in vivo fitness of Toxoplasma genes. STAR Protocols, 2021, 2, 100520.	0.5	0
81	Title is missing!. , 2020, 16, e1008586.		0
82	Title is missing!. , 2020, 16, e1008586.		0
83	Title is missing!. , 2020, 16, e1008586.		0
84	Title is missing!. , 2020, 16, e1008586.		0