Cevayir Coban

List of Publications by Year in descending order

90 papers	11,401 citations	66343 42 h-index	54911 84 g-index
91 all docs	91 docs citations	91 times ranked	13746 citing authors

#	Article	IF	Citations
1	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. Nature Immunology, 2005, 6, 981-988.	14.5	2,254
2	Interferon-Î± induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. Nature Immunology, 2004, 5, 1061-1068.	14.5	894
3	A Toll-like receptorâ€“independent antiviral response induced by double-stranded B-form DNA. Nature Immunology, 2006, 7, 40-48.	14.5	704
4	TANK-binding kinase-1 delineates innate and adaptive immune responses to DNA vaccines. Nature, 2008, 451, 725-729.	27.8	551
5	Toll-like receptor 9 mediates innate immune activation by the malaria pigment hemozoin. Journal of Experimental Medicine, 2005, 201, 19-25.	8.5	537
6	DNA released from dying host cells mediates aluminum adjuvant activity. Nature Medicine, 2011, 17, 996-1002.	30.7	482
7	Interleukin-1 receptor-associated kinase-1 plays an essential role for Toll-like receptor (TLR)7- and TLR9-mediated interferon-Î± induction. Journal of Experimental Medicine, 2005, 201, 915-923.	8.5	446
8	Host Innate Immune Receptors and Beyond: Making Sense of Microbial Infections. Cell Host and Microbe, 2008, 3, 352-363.	11.0	439
9	Essential role of IPS-1 in innate immune responses against RNA viruses. Journal of Experimental Medicine, 2006, 203, 1795-1803.	8.5	438
10	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. Nature Immunology, 2006, 7, 868-874.	14.5	399
11	Innate immune response to viral infection. Cytokine, 2008, 43, 336-341.	3.2	337
12	Differential Role of TLR- and RLR-Signaling in the Immune Responses to Influenza A Virus Infection and Vaccination. Journal of Immunology, 2007, 179, 4711-4720.	0.8	271
13	Genomic DNA Released by Dying Cells Induces the Maturation of APCs. Journal of Immunology, 2001, 167, 2602-2607.	0.8	223
14	Silica Crystals and Aluminum Salts Regulate the Production of Prostaglandin in Macrophages via NALP3 Inflammasome-Independent Mechanisms. Immunity, 2011, 34, 514-526.	14.3	199
15	A distinct subpopulation of CD25^{â”}T-follicular regulatory cells localizes in the germinal centers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6400-E6409.	7.1	167
16	Pathological role of Toll-like receptor signaling in cerebral malaria. International Immunology, 2006, 19, 67-79.	4.0	144
17	Immunogenicity of Whole-Parasite Vaccines against Plasmodium falciparum Involves Malarial Hemozoin and Host TLR9. Cell Host and Microbe, 2010, 7, 50-61.	11.0	135
18	Plasmacytoid Dendritic Cells Delineate Immunogenicity of Influenza Vaccine Subtypes. Science Translational Medicine, 2010, 2, 25ra24.	12.4	124

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19	Nonagonistic Dectin-1 ligand transforms CpG into a multitask nanoparticulate TLR9 agonist. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3086-3091.	7.1	116
20	Inhaled Fine Particles Induce Alveolar Macrophage Death and Interleukin-1Î± Release to Promote Inducible Bronchus-Associated Lymphoid Tissue Formation. Immunity, 2016, 45, 1299-1310.	14.3	110
21	Manifold Mechanisms of Toll-Like Receptor-Ligand Recognition. Journal of Clinical Immunology, 2005, 25, 511-521.	3.8	100
22	Novel Strategies to Improve DNA Vaccine Immunogenicity. Current Gene Therapy, 2011, 11, 479-484.	2.0	99
23	Particulate Adjuvant and Innate Immunity: Past Achievements, Present Findings, and Future Prospects. International Reviews of Immunology, 2013, 32, 209-220.	3.3	97
24	TRAF4 acts as a silencer in TLR-mediated signaling through the association with TRAF6 and TRIF. European Journal of Immunology, 2005, 35, 2477-2485.	2.9	91
25	Malaria Parasites Require TLR9 Signaling for Immune Evasion by Activating Regulatory T Cells. Journal of Immunology, 2008, 180, 2496-2503.	0.8	87
26	Evidence for the Transmission ofPlasmodium vivaxin the Republic of the Congo, West Central Africa. Journal of Infectious Diseases, 2009, 200, 1465-1469.	4.0	81
27	CpG RNA: Identification of Novel Single-Stranded RNA That Stimulates Human CD14+CD11c+ Monocytes. Journal of Immunology, 2005, 174, 2273-2279.	0.8	80
28	Toll-Like Receptor Adaptor Molecules Enhance DNA-Raised Adaptive Immune Responses against Influenza and Tumors through Activation of Innate Immunity. Journal of Virology, 2006, 80, 6218-6224.	3.4	77
29	Molecular and cellular mechanisms of DNA vaccines. Hum Vaccin, 2008, 4, 453-457.	2.4	76
30	The role of multiple toll-like receptor signalling cascades on interactions between biomedical polymers and dendritic cells. Biomaterials, 2010, 31, 5759-5771.	11.4	72
31	Manipulation of host innate immune responses by the malaria parasite. Trends in Microbiology, 2007, 15, 271-278.	7.7	71
32	Experimental cerebral malaria progresses independently of the Nlrp3 inflammasome. European Journal of Immunology, 2010, 40, 764-769.	2.9	66
33	Purified Malaria Pigment (Hemozoin) Enhances Dendritic Cell Maturation and Modulates the Isotype of Antibodies Induced by a DNA Vaccine. Infection and Immunity, 2002, 70, 3939-3943.	2.2	64
34	Raman spectroscopic analysis of malaria disease progression via blood and plasma samples. Analyst, The, 2013, 138, 3927.	3.5	64
35	Hydroxypropyl-Î²-Cyclodextrin Spikes Local Inflammation That Induces Th2 Cell and T Follicular Helper Cell Responses to the Coadministered Antigen. Journal of Immunology, 2015, 194, 2673-2682.	0.8	64
36	Tissue-specific immunopathology during malaria infection. Nature Reviews Immunology, 2018, 18, 266-278.	22.7	62

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37	Effect of plasmid backbone modification by different human CpG motifs on the immunogenicity of DNA vaccine vectors. Journal of Leukocyte Biology, 2005, 78, 647-655.	3.3	57
38	Induction of Plasmodium falciparum Transmission-Blocking Antibodies in Nonhuman Primates by a Combination of DNA and Protein Immunizations. Infection and Immunity, 2004, 72, 253-259.	2.2	56
39	Olfactory Plays a Key Role in Spatiotemporal Pathogenesis of Cerebral Malaria. Cell Host and Microbe, 2014, 15, 551-563.	11.0	51
40	Lipocalin 2 Bolsters Innate and Adaptive Immune Responses to Blood-Stage Malaria Infection by Reinforcing Host Iron Metabolism. Cell Host and Microbe, 2012, 12, 705-716.	11.0	50
41	DNA vaccines. Human Vaccines and Immunotherapeutics, 2013, 9, 2216-2221.	3.3	49
42	The Malarial Metabolite Hemozoin and Its Potential Use as a Vaccine Adjuvant. Allergology International, 2010, 59, 115-124.	3.3	47
43	TLR9 adjuvants enhance immunogenicity and protective efficacy of the SE36/AHG malaria vaccine in nonhuman primate models. Human Vaccines and Immunotherapeutics, 2013, 9, 283-290.	3.3	44
44	Innate Immune Signaling by, and Genetic Adjuvants for DNA Vaccination. Vaccines, 2013, 1, 278-292.	4.4	43
45	The Origins of African Plasmodium vivax; Insights from Mitochondrial Genome Sequencing. PLoS ONE, 2011, 6, e29137.	2.5	42
46	DAMP-Inducing Adjuvant and PAMP Adjuvants Parallelly Enhance Protective Type-2 and Type-1 Immune Responses to Influenza Split Vaccination. Frontiers in Immunology, 2018, 9, 2619.	4.8	41
47	Advax, a Delta Inulin Microparticle, Potentiates In-built Adjuvant Property of Co-administered Vaccines. EBioMedicine, 2017, 15, 127-136.	6.1	39
48	Detection and size measurement of individual hemozoin nanocrystals in aquatic environment using a whispering gallery mode resonator. Optics Express, 2012, 20, 29426.	3.4	36
49	Bacterial secretion system skews the fate of Legionella-containing vacuoles towards LC3-associated phagocytosis. Scientific Reports, 2017, 7, 44795.	3.3	36
50	The host targeting effect of chloroquine in malaria. Current Opinion in Immunology, 2020, 66, 98-107.	5.5	35
51	Effect of CpG Oligodeoxynucleotides on the Immunogenicity of Pfs25, a Plasmodium falciparum Transmission-Blocking Vaccine Antigen. Infection and Immunity, 2004, 72, 584-588.	2.2	34
52	Innate immune control of nucleic acid-based vaccine immunogenicity. Expert Review of Vaccines, 2009, 8, 1099-1107.	4.4	32
53	Plasmodium products persist in the bone marrow and promote chronic bone loss. Science Immunology, 2017, 2, .	11.9	32
54	Cyclic GMP-AMP Triggers Asthma in an IL-33-Dependent Manner That Is Blocked by Amlexanox, a TBK1 Inhibitor. Frontiers in Immunology, 2019, 10, 2212.	4.8	29

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55	Heparin induces neutrophil elastase-dependent vital and lytic NET formation. International Immunology, 2020, 32, 359-368.	4.0	27
56	Analysis of Naturally Acquired Antibody Responses to the 19-kd C-Terminal Region of Merozoite Surface Protein-1 of Plasmodium vivax from Individuals in Sanliurfa, Turkey. American Journal of Tropical Medicine and Hygiene, 2008, 78, 729-732.	1.4	27
57	Serologic Markers in Relation to Parasite Exposure History Help to Estimate Transmission Dynamics of Plasmodium vivax. PLoS ONE, 2011, 6, e28126.	2.5	26
58	A Polysaccharide Carrier to Effectively Deliver Native Phosphodiester CpG DNA to Antigen-Presenting Cells. Bioconjugate Chemistry, 2007, 18, 1280-1286.	3.6	25
59	The Chemotherapeutic Agent DMXAA as a Unique IRF3-Dependent Type-2 Vaccine Adjuvant. PLoS ONE, 2013, 8, e60038.	2.5	24
60	TBK1 and IKKÎµ act like an OFF switch to limit NLRP3 inflammasome pathway activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
61	Hemozoin as a novel adjuvant for inactivated whole virion influenza vaccine. Vaccine, 2014, 32, 5295-5300.	3.8	20
62	ZBP1 governs the inflammasome-independent IL-1Î± and neutrophil inflammation that play a dual role in anti-influenza virus immunity. International Immunology, 2020, 32, 203-212.	4.0	20
63	Circulating nano-particulate TLR9 agonist scouts out tumor microenvironment to release immunogenic dead tumor cells. Oncotarget, 2016, 7, 48860-48869.	1.8	18
64	Label-free Raman imaging of the macrophage response to the malaria pigment hemozoin. Analyst, The, 2015, 140, 2350-2359.	3.5	17
65	Rapid Quantification of NETs In Vitro and in Whole Blood Samples by Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 565-578.	1.5	17
66	Analysis of naturally acquired antibody responses to the 19-kd C-terminal region of merozoite surface protein-1 of Plasmodium vivax from individuals in Sanliurfa, Turkey. American Journal of Tropical Medicine and Hygiene, 2008, 78, 729-32.	1.4	17
67	Limited Polymorphism of the Plasmodium vivax Merozoite Surface Protein 1 Gene in Isolates from Turkey. American Journal of Tropical Medicine and Hygiene, 2010, 83, 1230-1237.	1.4	16
68	Erythrocyte Î² spectrin can be genetically targeted to protect mice from malaria. Blood Advances, 2017, 1, 2624-2636.	5.2	16
69	B cellâ€intrinsic MyD88 signaling controls IFNâ€Î³â€mediated early IgG2c class switching in mice in response to a particulate adjuvant. European Journal of Immunology, 2019, 49, 1433-1440.	2.9	15
70	TLR9 and endogenous adjuvants of the whole blood-stage malaria vaccine. Expert Review of Vaccines, 2010, 9, 775-784.	4.4	13
71	Unforeseen pathologies caused by malaria. International Immunology, 2018, 30, 121-129.	4.0	13
72	Synthesis and in Vitro Characterization of Antigen-Conjugated Polysaccharide as a CpG DNA Carrier. Bioconjugate Chemistry, 2006, 17, 1136-1140.	3.6	10

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73	Immune Interventions of Human Diseases through Toll-Like Receptors. Advances in Experimental Medicine and Biology, 2009, 655, 63-80.	1.6	10
74	Hemozoin is a potent adjuvant for hemagglutinin split vaccine without pyrogenicity in ferrets. Vaccine, 2014, 32, 3004-3009.	3.8	10
75	Development of Nonaggregating Poly-A Tailed Immunostimulatory A/D Type CpG Oligodeoxynucleotides Applicable for Clinical Use. Journal of Immunology Research, 2015, 2015, 1-20.	2.2	9
76	IFN-Î³ protects hepatocytes againstPlasmodium vivaxinfection via LAP-like degradation of sporozoites. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6813-6815.	7.1	9
77	RNA is an Adjuvanticity Mediator for the Lipid-Based Mucosal Adjuvant, Endocine. Scientific Reports, 2016, 6, 29165.	3.3	8
78	Current status of synthetic hemozoin adjuvant: A preliminary safety evaluation. Vaccine, 2016, 34, 2055-2061.	3.8	8
79	B cellâ€“intrinsic TBK1 is essential for germinal center formation during infection and vaccination in mice. Journal of Experimental Medicine, 2022, 219, .	8.5	8
80	Anti-tumor immunity by transcriptional synergy between TLR9 and STING activation. International Immunology, 2022, 34, 353-364.	4.0	8
81	Machine Learning-Assisted Screening of Herbal Medicine Extracts as Vaccine Adjuvants. Frontiers in Immunology, 2022, 13, .	4.8	4
82	1N1312 Time-resolved Raman imaging of malarial hemozoin(Bioimaging 1,The 49th Annual Meeting of the) Tj ETQq0 0 0 rgBT /Overlock	0.1	2
83	Using a new three-dimensional CUBIC tissue-clearing method to examine the brain during experimental cerebral malaria. International Immunology, 2021, 33, 587-594.	4.0	2
84	Route to Discovering the Immunogenic Properties of DNA from TLR9 to Cytosolic DNA Sensors. , 2014, , 3-41.		1
85	DNA Vaccine: Does it Target the Double Stranded-DNA Sensing Pathway?. , 2014, , 257-270.		1
86	Introduction: Interactions Between the Immune System and Parasites Special Issue. International Immunology, 2018, 30, 91-91.	4.0	1
87	Does it take three to tango? An unsuspected multimorbidity of CD8+ T cell lymphoproliferative disorder, malaria, and EBV infection. Malaria Journal, 2018, 17, 349.	2.3	1
88	Mucosal Vaccine for Malaria. , 2020, , 831-840.		1
89	Particulate-Driven Type-2 Immunity and Allergic Responses. Current Topics in Environmental Health and Preventive Medicine, 2017, , 63-82.	0.1	0
90	Particulate and Immunity. Nanomedicine and Nanotoxicology, 2014, , 193-204.	0.2	0