Lbachir BenMohamed

List of Publications by Year
in descending order

80 papers	3,193 citations	109321 35 h-index	182427 51 g-index
86 all docs	86 docs citations	86 times ranked	2834 citing authors

#	Article	IF	Citations
1	Lipopeptide vaccinesâ€"yesterday, today, and tomorrow. Lancet Infectious Diseases, The, 2002, 2, 425-431.	9.1	174
2	The Role of LAT in Increased CD8 ⁺ T Cell Exhaustion in Trigeminal Ganglia of Mice Latently Infected with Herpes Simplex Virus 1. Journal of Virology, 2011, 85, 4184-4197.	3.4	103
3	The wide utility of rabbits as models of human diseases. Experimental and Molecular Medicine, 2018, 50, 1-10.	7.7	103
4	Lipopeptide epitopes extended by an N?-palmitoyl-lysine moiety increase uptake and maturation of dendritic cells through a Toll-like receptor-2 pathway and trigger a Th1-dependent protective immunity. European Journal of Immunology, 2004, 34, 3102-3114.	2.9	87
5	HLA-A*0201-Restricted CD8+ Cytotoxic T Lymphocyte Epitopes Identified from Herpes Simplex Virus Glycoprotein D. Journal of Immunology, 2008, 180, 426-437.	0.8	84
6	Systemic immune responses induced by mucosal administration of lipopeptides without adjuvant. European Journal of Immunology, 2002, 32, 2274.	2.9	82
7	Identification of Novel Immunodominant CD4 + Th1-Type T-Cell Peptide Epitopes from Herpes Simplex Virus Glycoprotein D That Confer Protective Immunity. Journal of Virology, 2003, 77, 9463-9473.	3.4	81
8	Level of Herpes Simplex Virus Type 1 Latency Correlates with Severity of Corneal Scarring and Exhaustion of CD8⁺T Cells in Trigeminal Ganglia of Latently Infected Mice. Journal of Virology, 2009, 83, 2246-2254.	3.4	79
9	Th-Cytotoxic T-Lymphocyte Chimeric Epitopes Extended by N Îµ -Palmitoyl Lysines Induce Herpes Simplex Virus Type 1-Specific Effector CD8 + Tc 1 Responses and Protect against Ocular Infection. Journal of Virology, 2005, 79, 15289-15301.	3.4	71
10	The Herpes Simplex Virus Type 1 Latency-Associated Transcript Can Protect Neuron-Derived C1300 and Neuro2A Cells from Granzyme B-Induced Apoptosis and CD8 T-Cell Killing. Journal of Virology, 2011, 85, 2325-2332.	3.4	71
11	HIV-1 Tat Protein Induces Production of Proinflammatory Cytokines by Human Dendritic Cells and Monocytes/Macrophages through Engagement of TLR4-MD2-CD14 Complex and Activation of NF-ÎºB Pathway. PLoS ONE, 2015, 10, e0129425.	2.5	71
12	A Novel HLA (HLA-A*0201) Transgenic Rabbit Model for Preclinical Evaluation of Human CD8+T Cell Epitope-Based Vaccines against Ocular Herpes. Journal of Immunology, 2010, 184, 2561-2571.	0.8	67
13	The Herpes Simplex Virus 1 Latency-Associated Transcript Promotes Functional Exhaustion of Virus-Specific CD8 ⁺ T Cells in Latently Infected Trigeminal Ganglia: a Novel Immune Evasion Mechanism. Journal of Virology, 2011, 85, 9127-9138.	3.4	66
14	Of mice and not humans: How reliable are animal models for evaluation of herpes CD8+-T cell-epitopes-based immunotherapeutic vaccine candidates?. Vaccine, 2011, 29, 5824-5836.	3.8	63
15	Asymptomatic Human CD4⁺Cytotoxic T-Cell Epitopes Identified from Herpes Simplex Virus Glycoprotein B. Journal of Virology, 2008, 82, 11792-11802.	3.4	62
16	Intranasal administration of a synthetic lipopeptide without adjuvant induces systemic immune responses. Immunology, 2002, 106, 113-121.	4.4	61
17	Gender-Dependent HLA-DR-Restricted Epitopes Identified from Herpes Simplex Virus Type 1 Glycoprotein D. Vaccine Journal, 2008, 15, 1436-1449.	3.1	61
18	New concepts in herpes simplex virus vaccine development: notes from the battlefield. Expert Review of Vaccines, 2009, 8, 1023-1035.	4.4	59

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19	Genome-Wide B Cell, CD4+, and CD8+ T Cell Epitopes That Are Highly Conserved between Human and Animal Coronaviruses, Identified from SARS-CoV-2 as Targets for Preemptive Pan-Coronavirus Vaccines. Journal of Immunology, 2021, 206, 2566-2582.	0.8	53
20	Significant Impact of Immunogen Design on the Diversity of Antibodies Generated by Carbohydrate-Based Anticancer Vaccine. ACS Chemical Biology, 2015, 10, 2364-2372.	3.4	50
21	Local and systemic B cell and Th1 responses induced following ocular mucosal delivery of multiple epitopes of herpes simplex virus type 1 glycoprotein D together with cytosineâ€“phosphateâ€“guanine adjuvant. Vaccine, 2005, 23, 873-883.	3.8	49
22	Nasolacrimal Duct Closure Modulates Ocular Mucosal and Systemic CD4⁺T-Cell Responses Induced following Topical Ocular or Intranasal Immunization. Vaccine Journal, 2010, 17, 342-353.	3.1	49
23	Discovery of Potential Diagnostic and Vaccine Antigens in Herpes Simplex Virus 1 and 2 by Proteome-Wide Antibody Profiling. Journal of Virology, 2012, 86, 4328-4339.	3.4	48
24	Asymptomatic HLA-A*02:01â€“Restricted Epitopes from Herpes Simplex Virus Glycoprotein B Preferentially Recall Polyfunctional CD8+ T Cells from Seropositive Asymptomatic Individuals and Protect HLA Transgenic Mice against Ocular Herpes. Journal of Immunology, 2013, 191, 5124-5138.	0.8	48
25	HIV-1 Tat Protein Induces PD-L1 (B7-H1) Expression on Dendritic Cells through Tumor Necrosis Factor Alpha- and Toll-Like Receptor 4-Mediated Mechanisms. Journal of Virology, 2014, 88, 6672-6689.	3.4	48
26	The challenges and opportunities for the development of a T-cell epitope-based herpes simplex vaccine. Vaccine, 2014, 32, 6733-6745.	3.8	47
27	Towards a Rational Design of an Asymptomatic Clinical Herpes Vaccine: The Old, the New, and the Unknown. Clinical and Developmental Immunology, 2012, 2012, 1-16.	3.3	45
28	The Role of a Glycoprotein K (gK) CD8⁺T-Cell Epitope of Herpes Simplex Virus on Virus Replication and Pathogenicity. , 2009, 50, 2903.		44
29	Targeting the Genital Tract Mucosa with a Lipopeptide/Recombinant Adenovirus Prime/Boost Vaccine Induces Potent and Long-Lasting CD8+ T Cell Immunity against Herpes: Importance of MyD88. Journal of Immunology, 2012, 189, 4496-4509.	0.8	44
30	Associations of HLA-A, HLA-B and HLA-C alleles frequency with prevalence of herpes simplex virus infections and diseases across global populations: Implication for the development of an universal CD8+ T-cell epitope-based vaccine. Human Immunology, 2014, 75, 715-729.	2.4	43
31	HIV-1 Tat Protein Activates both the MyD88 and TRIF Pathways To Induce Tumor Necrosis Factor Alpha and Interleukin-10 in Human Monocytes. Journal of Virology, 2016, 90, 5886-5898.	3.4	43
32	CXCL17 Chemokineâ€“Dependent Mobilization of CXCR8+CD8+ Effector Memory and Tissue-Resident Memory T Cells in the Vaginal Mucosa Is Associated with Protection against Genital Herpes. Journal of Immunology, 2018, 200, 2915-2926.	0.8	42
33	NLRP3, NLRP12, and IFI16 Inflammasomes Induction and Caspase-1 Activation Triggered by Virulent HSV-1 Strains Are Associated With Severe Corneal Inflammatory Herpetic Disease. Frontiers in Immunology, 2019, 10, 1631.	4.8	42
34	Functional Foxp3 + CD4 + CD25 (Bright+) â€œNaturalâ€•Regulatory T Cells Are Abundant in Rabbit Conjunctiva and Suppress Virus-Specific CD4 + and CD8 + Effector T Cells during Ocular Herpes Infection. Journal of Virology, 2007, 81, 7647-7661.	3.4	41
35	CXCL10/CXCR3-Dependent Mobilization of Herpes Simplex Virus-Specific CD8 + T EM and CD8 + T RM Cells within Infected Tissues Allows Efficient Protection against Recurrent Herpesvirus Infection and Disease. Journal of Virology, 2017, 91, .	3.4	40
36	Protective Immunity against Ocular Herpes Infection and Disease Induced by Highly Immunogenic Self-Adjuvanting Glycoprotein D Lipopeptide Vaccines. , 2007, 48, 4643.		39

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37	The Herpes Simplex Virus Type 1 Latency-Associated Transcript Inhibits Phenotypic and Functional Maturation of Dendritic Cells. Viral Immunology, 2012, 25, 120418065353009.	1.3	38
38	HLA-A02:01â€“Restricted Epitopes Identified from the Herpes Simplex Virus Tegument Protein VP11/12 Preferentially Recall Polyfunctional Effector Memory CD8+T Cells from Seropositive Asymptomatic Individuals and Protect Humanized HLA-A*02:01 Transgenic Mice against Ocular Herpes. Journal of Immunology, 2015, 194, 2232-2248.	0.8	38
39	Bolstering the Number and Function of HSV-1â€“Specific CD8+ Effector Memory T Cells and Tissue-Resident Memory T Cells in Latently Infected Trigeminal Ganglia Reduces Recurrent Ocular Herpes Infection and Disease. Journal of Immunology, 2017, 199, 186-203.	0.8	38
40	Topical/Mucosal Delivery of Sub-Unit Vaccines That Stimulate the Ocular Mucosal Immune System. Ocular Surface, 2006, 4, 178-187.	4.4	37
41	Future of an â€˜asymptomaticâ€™ T-cell epitope-based therapeutic herpes simplex vaccine. Future Virology, 2012, 7, 371-378.	1.8	37
42	HLA-A*01:03, HLA-A*24:02, HLA-B*08:01, HLA-B*27:05, HLA-B*35:01, HLA-B*44:02, and HLA-C*07:01 Monochain Transgenic/H-2 Class I Null Mice: Novel Versatile Preclinical Models of Human T Cell Responses. Journal of Immunology, 2013, 191, 583-593.	0.8	37
43	Phenotypic and Functional Characterization of Herpes Simplex Virus Glycoprotein B Epitope-Specific Effector and Memory CD8⁺T Cells from Symptomatic and Asymptomatic Individuals with Ocular Herpes. Journal of Virology, 2015, 89, 3776-3792.	3.4	37
44	Mucosal Herpes Immunity and Immunopathology to Ocular and Genital Herpes Simplex Virus Infections. Clinical and Developmental Immunology, 2012, 2012, 1-22.	3.3	33
45	The Herpes Simplex Virus Latency-Associated Transcript Gene Is Associated with a Broader Repertoire of Virus-Specific Exhausted CD8 ⁺ T Cells Retained within the Trigeminal Ganglia of Latently Infected HLA Transgenic Rabbits. Journal of Virology, 2016, 90, 3913-3928.	3.4	32
46	Activation of the NLRP3 Inflammasome Is Associated with Valosin-Containing Protein Myopathy. Inflammation, 2017, 40, 21-41.	3.8	32
47	HIV-1 Envelope Glycoproteins Induce the Production of TNF-Î± and IL-10 in Human Monocytes by Activating Calcium Pathway. Scientific Reports, 2018, 8, 17215.	3.3	31
48	Decreased reactivation of a herpes simplex virus type 1 (HSV-1) latency-associated transcript (LAT) mutant using the in vivo mouse UV-B model of induced reactivation. Journal of NeuroVirology, 2015, 21, 508-517.	2.1	30
49	Prior Corneal Scarification and Injection of Immune Serum are Not Required Before Ocular HSV-1 Infection for UV-B-Induced Virus Reactivation and Recurrent Herpetic Corneal Disease in Latently Infected Mice. Current Eye Research, 2016, 41, 747-756.	1.5	30
50	Therapeutic Immunization with a Mixture of Herpes Simplex Virus 1 Glycoprotein D-Derived â€œAsymptomaticâ€•Human CD8 ⁺ T-Cell Epitopes Decreases Spontaneous Ocular Shedding in Latently Infected HLA Transgenic Rabbits: Association with Low Frequency of Local PD-1 ⁺ TIM-3 ⁺ CD8 ⁺ Exhausted T Cells. Journal of Virology, 2015, 89, 6619-6632.	3.4	29
51	A Herpes Simplex Virus Type 1 Human Asymptomatic CD8+T-Cell Epitopes-Based Vaccine Protects Against Ocular Herpes in a â€œHumanizedâ€•HLA Transgenic Rabbit Model. , 2015, 56, 4013.		27
52	Blockade of PD-1 and LAG-3 Immune Checkpoints Combined with Vaccination Restores the Function of Antiviral Tissue-Resident CD8⁺T_{RM}Cells and Reduces Ocular Herpes Simplex Infection and Disease in HLA Transgenic Rabbits. Journal of Virology, 2019, 93, .	3.4	27
53	Increased neurovirulence and reactivation of the herpes simplex virus type 1 latency-associated transcript (LAT)-negative mutant dLAT2903 with a disrupted LAT miR-H2. Journal of NeuroVirology, 2016, 22, 38-49.	2.1	25
54	Human Asymptomatic Epitopes Identified from the Herpes Simplex Virus Tegument Protein VP13/14 (UL47) Preferentially Recall Polyfunctional Effector Memory CD44^{high}CD62L^{low}CD8⁺T_{EM}Cells and Protect Humanized HLA-A*02:01 Transgenic Mice against Ocular Herpesvirus Infection. Journal of Virology, 2017, 91, .	3.4	25

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55	Blockade of LAG-3 Immune Checkpoint Combined With Therapeutic Vaccination Restore the Function of Tissue-Resident Anti-viral CD8+ T Cells and Protect Against Recurrent Ocular Herpes Simplex Infection and Disease. Frontiers in Immunology, 2018, 9, 2922.	4.8	24
56	Human Asymptomatic Epitope Peptide/CXCL10-Based Prime/Pull Vaccine Induces Herpes Simplex Virus-Specific Gamma Interferon-Positive CD107 ⁺ CD8 ⁺ T Cells That Infiltrate the Corneas and Trigeminal Ganglia of Humanized HLA Transgenic Rabbits and Protect against Ocular Herpes Challenge. Journal of Virology, 2018, 92, .	3.4	24
57	The herpes simplex virus type 1 (HSV-1) latency-associated transcript (LAT) protects cells against cold-shock-induced apoptosis by maintaining phosphorylation of protein kinase B (AKT). Journal of NeuroVirology, 2015, 21, 568-575.	2.1	23
58	SARS-CoV-2 Envelope (E) Protein Binds and Activates TLR2 Pathway: A Novel Molecular Target for COVID-19 Interventions. Viruses, 2022, 14, 999.	3.3	23
59	Asymptomatic memory CD8+T cells. Human Vaccines and Immunotherapeutics, 2014, 10, 945-963.	3.3	20
60	Laser Adjuvant-Assisted Peptide Vaccine Promotes Skin Mobilization of Dendritic Cells and Enhances Protective CD8⁺T_{EM}and T_{RM}Cell Responses against Herpesvirus Infection and Disease. Journal of Virology, 2018, 92, .	3.4	20
61	Therapeutic Mucosal Vaccination of Herpes Simplex Virus 2-Infected Guinea Pigs with Ribonucleotide Reductase 2 (RR2) Protein Boosts Antiviral Neutralizing Antibodies and Local Tissue-Resident CD4 ⁺ and CD8 ⁺ T _{RM} Cells Associated with Protection against Recurrent Genital Herpes. Journal of Virology, 2019, 93, .	3.4	20
62	Unique Type I Interferon, Expansion/Survival Cytokines, and JAK/STAT Gene Signatures of Multifunctional Herpes Simplex Virus-Specific Effector Memory CD8 + T EM Cells Are Associated with Asymptomatic Herpes in Humans. Journal of Virology, 2019, 93, .	3.4	17
63	Current trends in negative immuno-synergy between two sexually transmitted infectious viruses: HIV-1 and HSV-1/2. Current Trends in Immunology, 2012, 13, 51-68.	4.0	17
64	Large Amounts of Reactivated Virus in Tears Precedes Recurrent Herpes Stromal Keratitis in Stressed Rabbits Latently Infected with Herpes Simplex Virus. Current Eye Research, 2016, 41, 1-8.	1.5	16
65	Combinatorial Herpes Simplex Vaccine Strategies: From Bedside to Bench and Back. Frontiers in Immunology, 2022, 13, 849515.	4.8	15
66	HIV-1 Infection Impairs HSV-Specific CD4+ and CD8+ T-Cell Response by Reducing Th1 Cytokines and CCR5 Ligand Secretion. Journal of Acquired Immune Deficiency Syndromes (1999), 2011, 58, 9-17.	2.1	14
67	Immunity to Ocular and Genital Herpes Simplex Viruses Infections. Clinical and Developmental Immunology, 2012, 2012, 1-2.	3.3	13
68	Phenotypic and Functional Signatures of Herpes Simplex Virusâ€“Specific Effector Memory CD73+CD45RAhighCCR7lowCD8+ TEMRA and CD73+CD45RAlowCCR7lowCD8+ TEM Cells Are Associated with Asymptomatic Ocular Herpes. Journal of Immunology, 2018, 201, 2315-2330.	0.8	13
69	Confocal Microscopic Analysis of a Rabbit Eye Model of High-Incidence Recurrent Herpes Stromal Keratitis. Cornea, 2016, 35, 81-88.	1.7	12
70	High Frequency of Gamma Interferon-Producing PLZF^{lo}RORÎ³t^{lo}Invariant Natural Killer 1 Cells Infiltrating Herpes Simplex Virus 1-Infected Corneas Is Associated with Asymptomatic Ocular Herpesvirus Infection. Journal of Virology, 2020, 94, .	3.4	9
71	Upregulation of Multiple CD8+ T Cell Exhaustion Pathways Is Associated with Recurrent Ocular Herpes Simplex Virus Type 1 Infection. Journal of Immunology, 2020, 205, 454-468.	0.8	8
72	Human Epitopes Identified from Herpes Simplex Virus Tegument Protein VP11/12 (UL46) Recall Multifunctional Effector Memory CD4⁺T_{EM}Cells in Asymptomatic Individuals and Protect from Ocular Herpes Infection and Disease in â€œHumanizedâ€•HLA-DR Transgenic Mice. Journal of Virology, 2020, 94, .	3.4	7

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73	Age-related Defects in Ocular and Nasal Mucosal Immune System and the Immunopathology of Dry Eye Disease. Ocular Immunology and Inflammation, 2014, 24, 1-21.	1.8	6
74	Healing of Ocular Herpetic Disease Following Treatment With an Engineered FGF-1 Is Associated With Increased Corneal Anti-Inflammatory M2 Macrophages. Frontiers in Immunology, 2021, 12, 673763.	4.8	6
75	A Fine Balance of Dietary Lipids Improves Pathology of a Murine Model of VCP-Associated Multisystem Proteinopathy. PLoS ONE, 2015, 10, e0131995.	2.5	6
76	Trimeric heptad repeat synthetic peptides HR1 and HR2 efficiently inhibit HIV-1 entry. Bioscience Reports, 2019, 39, .	2.4	6
77	Antiviral CD19⁺CD27⁺Memory B Cells Are Associated with Protection from Recurrent Asymptomatic Ocular Herpesvirus Infection. Journal of Virology, 2022, 96, jvi0205721.	3.4	6
78	Unique molecular signatures of antiviral memory CD8+ T cells associated with asymptomatic recurrent ocular herpes. Scientific Reports, 2020, 10, 13843.	3.3	3
79	A Tribute to Professor Steven L. Wechsler (1948â€“2016): The Man and the Scientist. Current Eye Research, 2017, 42, 161-162.	1.5	2
80	Systemic immune responses induced by mucosal administration of lipopeptides without adjuvant. , 2002, 32, 2274.		1