

# Vladimir P Badovinac

## List of Publications by Year in descending order

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121  
papers

8,759  
citations

53794

45  
h-index

48315

88  
g-index

126  
all docs

126  
docs citations

126  
times ranked

9118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation and Persistence of Memory CD8+ T Cells Depend on T Cell Factor 1. <i>Immunity</i> , 2010, 33, 229-240.	14.3	555
2	Programmed contraction of CD8+ T cells after infection. <i>Nature Immunology</i> , 2002, 3, 619-626.	14.5	511
3	Shaping and reshaping CD8+ T-cell memory. <i>Nature Reviews Immunology</i> , 2008, 8, 107-119.	22.7	493
4	Regulation of Antigen-Specific CD8 <sup>+</sup> T Cell Homeostasis by Perforin and Interferon- $\gamma$ . <i>Science</i> , 2000, 290, 1354-1357.	12.6	430
5	Initial T Cell Receptor Transgenic Cell Precursor Frequency Dictates Critical Aspects of the CD8+ T Cell Response to Infection. <i>Immunity</i> , 2007, 26, 827-841.	14.3	363
6	Accelerated CD8+ T-cell memory and prime-boost response after dendritic-cell vaccination. <i>Nature Medicine</i> , 2005, 11, 748-756.	30.7	362
7	Defining Memory CD8 T Cell. <i>Frontiers in Immunology</i> , 2018, 9, 2692.	4.8	313
8	CD8+ T cell contraction is controlled by early inflammation. <i>Nature Immunology</i> , 2004, 5, 809-817.	14.5	290
9	Memory CD8 T cell responses exceeding a large but definable threshold provide long-term immunity to malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14017-14022.	7.1	236
10	Inflaming the CD8+ T Cell Response. <i>Immunity</i> , 2006, 25, 19-29.	14.3	224
11	Repetitive Antigen Stimulation Induces Stepwise Transcriptome Diversification but Preserves a Core Signature of Memory CD8+ T Cell Differentiation. <i>Immunity</i> , 2010, 33, 128-140.	14.3	224
12	Extreme CD8 T Cell Requirements for Anti-Malarial Liver-Stage Immunity following Immunization with Radiation Attenuated Sporozoites. <i>PLoS Pathogens</i> , 2010, 6, e1000998.	4.7	175
13	Tracking the Total CD8 T Cell Response to Infection Reveals Substantial Discordance in Magnitude and Kinetics between Inbred and Outbred Hosts. <i>Journal of Immunology</i> , 2009, 183, 7672-7681.	0.8	169
14	Constitutive Activation of Wnt Signaling Favors Generation of Memory CD8 T Cells. <i>Journal of Immunology</i> , 2010, 184, 1191-1199.	0.8	157
15	Sepsis-Induced T Cell Immunoparalysis: The Ins and Outs of Impaired T Cell Immunity. <i>Journal of Immunology</i> , 2018, 200, 1543-1553.	0.8	143
16	Programming, demarcating, and manipulating CD8 + T cell memory. <i>Immunological Reviews</i> , 2006, 211, 67-80.	6.0	142
17	Impact of sepsis on CD4 T cell immunity. <i>Journal of Leukocyte Biology</i> , 2014, 96, 767-777.	3.3	128
18	The transcription factor Runx3 guards cytotoxic CD8+ effector T cells against deviation towards follicular helper T cell lineage. <i>Nature Immunology</i> , 2017, 18, 931-939.	14.5	113

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19	Viral Infection Results in Massive CD8+ T Cell Expansion and Mortality in Vaccinated Perforin-Deficient Mice. <i>Immunity</i> , 2003, 18, 463-474.	14.3	104
20	Regulation of CD8+ T Cells Undergoing Primary and Secondary Responses to Infection in the Same Host. <i>Journal of Immunology</i> , 2003, 170, 4933-4942.	0.8	102
21	Influence of effector molecules on the CD8+ T cell response to infection. <i>Current Opinion in Immunology</i> , 2002, 14, 360-365.	5.5	100
22	Manipulating the Rate of Memory CD8+ T Cell Generation after Acute Infection. <i>Journal of Immunology</i> , 2007, 179, 53-63.	0.8	98
23	Intracellular staining for TNF and IFN- $\gamma$ detects different frequencies of antigen-specific CD8+ T cells. <i>Journal of Immunological Methods</i> , 2000, 238, 107-117.	1.4	92
24	A Default Pathway of Memory CD8 T Cell Differentiation after Dendritic Cell Immunization Is Deflected by Encounter with Inflammatory Cytokines during Antigen-Driven Proliferation. <i>Journal of Immunology</i> , 2009, 183, 2337-2348.	0.8	89
25	CD4 T Cell Responses and the Sepsis-Induced Immunoparalysis State. <i>Frontiers in Immunology</i> , 2020, 11, 1364.	4.8	83
26	Interleukin-1 receptor antagonist suppresses experimental autoimmune encephalomyelitis (EAE) in rats by influencing the activation and proliferation of encephalitogenic cells. <i>Journal of Neuroimmunology</i> , 1998, 85, 87-95.	2.3	81
27	Adaptive Immunity and Enhanced CD8+ T Cell Response to <i>Listeria monocytogenes</i> in the Absence of Perforin and IFN- $\gamma$ . <i>Journal of Immunology</i> , 2000, 164, 6444-6452.	0.8	81
28	CD8 + T Cells Utilize Highly Dynamic Enhancer Repertoires and Regulatory Circuitry in Response to Infections. <i>Immunity</i> , 2016, 45, 1341-1354.	14.3	79
29	Repeated Antigen Exposure Extends the Durability of Influenza-Specific Lung-Resident Memory CD8+ T Cells and Heterosubtypic Immunity. <i>Cell Reports</i> , 2018, 24, 3374-3382.e3.	6.4	76
30	Peripherally induced brain tissue-resident memory CD8+ T cells mediate protection against CNS infection. <i>Nature Immunology</i> , 2020, 21, 938-949.	14.5	75
31	Microbial Exposure Enhances Immunity to Pathogens Recognized by TLR2 but Increases Susceptibility to Cytokine Storm through TLR4 Sensitization. <i>Cell Reports</i> , 2019, 28, 1729-1743.e5.	6.4	74
32	Sustained and Incomplete Recovery of Naive CD8+ T Cell Precursors after Sepsis Contributes to Impaired CD8+ T Cell Responses to Infection. <i>Journal of Immunology</i> , 2013, 190, 1991-2000.	0.8	73
33	NLRC4 suppresses melanoma tumor progression independently of inflammasome activation. <i>Journal of Clinical Investigation</i> , 2016, 126, 3917-3928.	8.2	65
34	CD8 T cell memory development: CD4 T cell help is appreciated. <i>Immunologic Research</i> , 2007, 39, 94-104.	2.9	59
35	New Insights into the Immune System Using Dirty Mice. <i>Journal of Immunology</i> , 2020, 205, 3-11.	0.8	59
36	Polymicrobial Sepsis Alters Antigen-Dependent and -Independent Memory CD8 T Cell Functions. <i>Journal of Immunology</i> , 2014, 192, 3618-3625.	0.8	58

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37	TRAIL Deficiency Delays, but Does Not Prevent, Erosion in the Quality of “Helpless” Memory CD8 T Cells. <i>Journal of Immunology</i> , 2006, 177, 999-1006.	0.8	56
38	Immune Unresponsiveness to Secondary Heterologous Bacterial Infection after Sepsis Induction Is TRAIL Dependent. <i>Journal of Immunology</i> , 2011, 187, 2148-2154.	0.8	56
39	Alterations in Antigen-Specific Naive CD4 T Cell Precursors after Sepsis Impairs Their Responsiveness to Pathogen Challenge. <i>Journal of Immunology</i> , 2015, 194, 1609-1620.	0.8	55
40	Clinical and Experimental Sepsis Impairs CD8 T-Cell-Mediated Immunity. <i>Critical Reviews in Immunology</i> , 2016, 36, 57-74.	0.5	55
41	Differential Requirements for Tcf1 Long Isoforms in CD8+ and CD4+ T Cell Responses to Acute Viral Infection. <i>Journal of Immunology</i> , 2017, 199, 911-919.	0.8	53
42	Ezh2 programs TFH differentiation by integrating phosphorylation-dependent activation of Bcl6 and polycomb-dependent repression of p19Arf. <i>Nature Communications</i> , 2018, 9, 5452.	12.8	53
43	Population Dynamics of Naive and Memory CD8 T Cell Responses after Antigen Stimulations In Vivo. <i>Journal of Immunology</i> , 2012, 188, 1255-1265.	0.8	52
44	Immunosuppression after Sepsis: Systemic Inflammation and Sepsis Induce a Loss of Naïve T-Cells but No Enduring Cell-Autonomous Defects in T-Cell Function. <i>PLoS ONE</i> , 2014, 9, e115094.	2.5	52
45	Exploiting cross-priming to generate protective CD8 T-cell immunity rapidly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12198-12203.	7.1	51
46	Cutting Edge: Expression of FcγRIIB Tempers Memory CD8 T Cell Function In Vivo. <i>Journal of Immunology</i> , 2014, 192, 35-39.	0.8	51
47	Enteric immunity, the gut microbiome, and sepsis: Rethinking the germ theory of disease. <i>Experimental Biology and Medicine</i> , 2017, 242, 127-139.	2.4	51
48	Ectopic Tcf1 expression instills a stem-like program in exhausted CD8+ T cells to enhance viral and tumor immunity. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1262-1277.	10.5	49
49	Polymicrobial Sepsis Increases Susceptibility to Chronic Viral Infection and Exacerbates CD8+ T Cell Exhaustion. <i>Journal of Immunology</i> , 2015, 195, 116-125.	0.8	48
50	Polymicrobial Sepsis Diminishes Dendritic Cell Numbers and Function Directly Contributing to Impaired Primary CD8 T Cell Responses In Vivo. <i>Journal of Immunology</i> , 2016, 197, 4301-4311.	0.8	48
51	Polymicrobial Sepsis Chronic Immunoparalysis Is Defined by Diminished Ag-Specific T Cell-Dependent B Cell Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2532.	4.8	48
52	Probing CD8 T Cell Responses with <i>Listeria monocytogenes</i> Infection. <i>Advances in Immunology</i> , 2012, 113, 51-80.	2.2	47
53	Polymicrobial sepsis impairs bystander recruitment of effector cells to infected skin despite optimal sensing and alarming function of skin resident memory CD8 T cells. <i>PLoS Pathogens</i> , 2017, 13, e1006569.	4.7	47
54	CD8+ T-cell homeostasis after infection: setting the “curve”. <i>Microbes and Infection</i> , 2002, 4, 441-447.	1.9	46

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55	Polymicrobial sepsis influences NK-cell-mediated immunity by diminishing NK-cell-intrinsic receptor-mediated effector responses to viral ligands or infections. <i>PLoS Pathogens</i> , 2018, 14, e1007405.	4.7	46
56	Phenotypic and Functional Alterations in Circulating Memory CD8 T Cells with Time after Primary Infection. <i>PLoS Pathogens</i> , 2015, 11, e1005219.	4.7	46
57	Cutting Edge: Antilisterial Activity of CD8+ T Cells Derived from TNF-Deficient and TNF/Perforin Double-Deficient Mice. <i>Journal of Immunology</i> , 2000, 165, 5-9.	0.8	45
58	T-Cell-Mediated Immunity and the Role of TRAIL in Sepsis-Induced Immunosuppression. <i>Critical Reviews in Immunology</i> , 2013, 33, 23-40.	0.5	43
59	Cutting Edge: OFF Cycling of TNF Production by Antigen-Specific CD8+ T Cells Is Antigen Independent. <i>Journal of Immunology</i> , 2000, 165, 5387-5391.	0.8	40
60	Antidiabetogenic Effect of Pentoxifylline is Associated with Systemic and Target Tissue Modulation of Cytokines and Nitric Oxide Production. <i>Journal of Autoimmunity</i> , 2001, 16, 47-58.	6.5	39
61	Cell-specific effects of pentoxifylline on nitric oxide production and inducible nitric oxide synthase mRNA expression. <i>Immunology</i> , 1997, 92, 402-406.	4.4	38
62	<i>Listeria monocytogenes</i> : a model pathogen to study antigen-specific memory CD8 T cell responses. <i>Seminars in Immunopathology</i> , 2015, 37, 301-310.	6.1	38
63	MHC class Ia-restricted memory T cells inhibit expansion of a nonprotective MHC class Ib (H2-M3)-restricted memory response. <i>Nature Immunology</i> , 2004, 5, 159-168.	14.5	36
64	Modulating numbers and phenotype of CD8 <sup>+</sup> T cells in secondary immune responses. <i>European Journal of Immunology</i> , 2010, 40, 1916-1926.	2.9	33
65	Division-linked generation of death-intermediates regulates the numerical stability of memory CD8 T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6199-6204.	7.1	33
66	A Role for IFN- $\gamma$ from Antigen-Specific CD8+ T Cells in Protective Immunity to <i>Listeria monocytogenes</i> . <i>Journal of Immunology</i> , 2007, 179, 2457-2466.	0.8	32
67	Listeriolysin O-Deficient <i>Listeria monocytogenes</i> as a Vaccine Delivery Vehicle: Antigen-Specific CD8 T Cell Priming and Protective Immunity. <i>Journal of Immunology</i> , 2006, 177, 4012-4020.	0.8	31
68	Gut Microbial Membership Modulates CD4 T Cell Reconstitution and Function after Sepsis. <i>Journal of Immunology</i> , 2016, 197, 1692-1698.	0.8	31
69	Predicting CD62L expression during the CD8 <sup>+</sup> T cell response <i>in vivo</i> . <i>Immunology and Cell Biology</i> , 2010, 88, 157-164.	2.3	29
70	Diet-Induced Obesity Does Not Impact the Generation and Maintenance of Primary Memory CD8 T Cells. <i>Journal of Immunology</i> , 2014, 193, 5873-5882.	0.8	29
71	Bystander responses impact accurate detection of murine and human antigen-specific CD8+ T cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3894-3908.	8.2	29
72	Interleukin-1 alpha increases anti-tumor efficacy of cetuximab in head and neck squamous cell carcinoma. , 2019, 7, 79.		28

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73	Secondary CD8 <sup>+</sup> T cell responses are controlled by systemic inflammation. <i>European Journal of Immunology</i> , 2011, 41, 1321-1333.	2.9	27
74	Expedition recruitment of circulating memory CD8 T cells to the liver facilitates control of malaria. <i>Cell Reports</i> , 2021, 37, 109956.	6.4	26
75	Tcf1 preprograms the mobilization of glycolysis in central memory CD8 <sup>+</sup> T cells during recall responses. <i>Nature Immunology</i> , 2022, 23, 386-398.	14.5	26
76	Revealing the Complexity in CD8 T Cell Responses to Infection in Inbred C57B/6 versus Outbred Swiss Mice. <i>Frontiers in Immunology</i> , 2017, 8, 1527.	4.8	25
77	Inducing Experimental Polymicrobial Sepsis by Cecal Ligation and Puncture. <i>Current Protocols in Immunology</i> , 2020, 131, e110.	3.6	25
78	Cutting Edge: Antitumor Immunity by Pathogen-Specific CD8 T Cells in the Absence of Cognate Antigen Recognition. <i>Journal of Immunology</i> , 2020, 204, 1431-1435.	0.8	25
79	Adaptive Immunity against <i>Listeria monocytogenes</i> in the Absence of Type I Tumor Necrosis Factor Receptor p55. <i>Infection and Immunity</i> , 2000, 68, 4470-4476.	2.2	24
80	In Vivo Generation of Pathogen-Specific Th1 Cells in the Absence of the IFN- $\gamma$ Receptor. <i>Journal of Immunology</i> , 2005, 175, 3117-3122.	0.8	24
81	Deficient Anti-Listerial Immunity in the Absence of Perforin Can Be Restored by Increasing Memory CD8 <sup>+</sup> T Cell Numbers. <i>Journal of Immunology</i> , 2003, 171, 4254-4262.	0.8	22
82	Sepsis-Induced State of Immunoparalysis Is Defined by Diminished CD8 T Cell-Mediated Antitumor Immunity. <i>Journal of Immunology</i> , 2019, 203, 725-735.	0.8	21
83	<i>Cryptococcus neoformans</i> Neutralizes Macrophage and Astrocyte Derived Nitric Oxide without Interfering with Inducible Nitric Oxide Synthase Induction or Catalytic Activity ? Possible Involvement of Nitric Oxide Consumption. <i>Scandinavian Journal of Immunology</i> , 2000, 51, 384-391.	2.7	20
84	Cutting Edge: Polymicrobial Sepsis Has the Capacity to Reinvigorate Tumor-Infiltrating CD8 T Cells and Prolong Host Survival. <i>Journal of Immunology</i> , 2019, 202, 2843-2848.	0.8	20
85	Differential Role of $\alpha$ -Signal 3 Inflammatory Cytokines in Regulating CD8 T Cell Expansion and Differentiation in vivo. <i>Frontiers in Immunology</i> , 2011, 2, 4.	4.8	19
86	NK Cell-Derived IL-10 Supports Host Survival during Sepsis. <i>Journal of Immunology</i> , 2021, 206, 1171-1180.	0.8	19
87	Sepsis leads to lasting changes in phenotype and function of memory CD8 T cells. <i>ELife</i> , 2021, 10, .	6.0	19
88	Memory lanes. <i>Nature Immunology</i> , 2003, 4, 212-213.	14.5	18
89	The Longevity of Memory CD8 T Cell Responses after Repetitive Antigen Stimulations. <i>Journal of Immunology</i> , 2014, 192, 5652-5659.	0.8	18
90	Polymicrobial Sepsis Impairs Antigen-Specific Memory CD4 T Cell-Mediated Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 1786.	4.8	18

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91	Time and Antigen-Stimulation History Influence Memory CD8 T Cell Bystander Responses. <i>Frontiers in Immunology</i> , 2017, 8, 634.	4.8	17
92	Cyclosporin A inhibits activation of inducible nitric oxide synthase in C6 glioma cell line. <i>Brain Research</i> , 1999, 816, 92-98.	2.2	16
93	Differentiation of Central Memory CD8 T Cells Is Independent of CD62L-Mediated Trafficking to Lymph Nodes. <i>Journal of Immunology</i> , 2009, 182, 6195-6206.	0.8	16
94	Diverse CD8 T Cell Responses to Viral Infection Revealed by the Collaborative Cross. <i>Cell Reports</i> , 2020, 31, 107508.	6.4	16
95	Sepsis impedes EAE disease development and diminishes autoantigen-specific naive CD4 T cells. <i>ELife</i> , 2020, 9, .	6.0	16
96	Rat NKR $\alpha$ 1+CD3+T $\alpha$ f cells: selective proliferation in interleukin $\alpha$ 2, diverse T $\alpha$ cell $\alpha$ receptor $\alpha$ v $\beta$ 2 repertoire and polarized interferon $\alpha$ 3 expression. <i>Immunology</i> , 1998, 95, 117-125.	4.4	14
97	Cyclosporin A Suppresses the Induction of Nitric Oxide Synthesis in Interferon-gamma-Treated L929 Fibroblasts. <i>Scandinavian Journal of Immunology</i> , 1999, 49, 126-130.	2.7	14
98	The Impact of Pre-Existing Memory on Differentiation of Newly Recruited Naive CD8 T Cells. <i>Journal of Immunology</i> , 2011, 187, 2923-2931.	0.8	14
99	Antigen-dependent and $\alpha$ independent contributions to primary memory CD8 T cell activation and protection following infection. <i>Scientific Reports</i> , 2016, 5, 18022.	3.3	14
100	Prolonged Reactive Oxygen Species Production following Septic Insult. <i>ImmunoHorizons</i> , 2021, 5, 477-488.	1.8	14
101	Protective function and durability of mouse lymph node-resident memory CD8+ T cells. <i>ELife</i> , 2021, 10, .	6.0	14
102	Sepsis, Cytokine Storms, and Immunopathology: The Divide between Neonates and Adults. <i>ImmunoHorizons</i> , 2021, 5, 512-522.	1.8	14
103	The Timing of Stimulation and IL-2 Signaling Regulate Secondary CD8 T Cell Responses. <i>PLoS Pathogens</i> , 2015, 11, e1005199.	4.7	14
104	Influence of time and number of antigen encounters on memory CD8 T cell development. <i>Immunologic Research</i> , 2014, 59, 35-44.	2.9	13
105	Enhancing Dendritic Cell $\alpha$ -based Immunotherapy with IL-2/Monoclonal Antibody Complexes for Control of Established Tumors. <i>Journal of Immunology</i> , 2015, 195, 4537-4544.	0.8	12
106	Pentoxifylline Potentiates Nitric Oxide Production and Growth Suppression in Interferon- $\beta$ -Treated L929 Fibroblasts. <i>Cellular Immunology</i> , 1998, 184, 105-111.	3.0	11
107	High initial frequency of TCR-transgenic CD8 T cells alters inflammation and pathogen clearance without affecting memory T cell function. <i>Molecular Immunology</i> , 2009, 47, 71-78.	2.2	11
108	Severity of Sepsis Determines the Degree of Impairment Observed in Circulatory and Tissue-Resident Memory CD8 T Cell Populations. <i>Journal of Immunology</i> , 2021, 207, 1871-1881.	0.8	10

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109	Antigen Exposure History Defines CD8 T Cell Dynamics and Protection during Localized Pulmonary Infections. <i>Frontiers in Immunology</i> , 2017, 8, 40.	4.8	9
110	Adaptable TCR Avidity Thresholds for Negative Selection. <i>Journal of Immunology</i> , 2008, 181, 6770-6778.	0.8	8
111	Generation and maintenance of Listeria-specific CD8 <sup>+</sup> T cell responses in perforin-deficient mice chronically infected with LCMV. <i>Virology</i> , 2008, 370, 310-322.	2.4	7
112	Detection and Analysis of Antigen-Specific CD8 <sup>+</sup> T Cells. <i>Immunologic Research</i> , 2001, 24, 325-332.	2.9	6
113	Epitope specificity of memory CD <sup>8</sup> T cells dictates vaccination-induced mortality in LCMV-infected perforin-deficient mice. <i>European Journal of Immunology</i> , 2012, 42, 1488-1499.	2.9	6
114	A preliminary analysis of interleukin-1 ligands as potential predictive biomarkers of response to cetuximab. <i>Biomarker Research</i> , 2019, 7, 14.	6.8	6
115	Worry and FRET: ROS Production Leads to Fluorochrome Tandem Degradation and impairs Interpretation of Flow Cytometric Results. <i>Immunity</i> , 2020, 52, 419-421.	14.3	6
116	TCR $\beta$ Chain That Forms Peptide-Independent Alloreactive TCR Transfers Reduced Reactivity with Irrelevant Peptide/MHC Complex. <i>Journal of Immunology</i> , 2007, 178, 6109-6114.	0.8	5
117	Sepsis and multiple sclerosis: Causative links and outcomes. <i>Immunology Letters</i> , 2021, 238, 40-46.	2.5	5
118	Sifting through CD8 + T Cell Memory. <i>Immunity</i> , 2016, 45, 1184-1186.	14.3	4
119	A Functionally Distinct CXCR3 <sup>+</sup> /IFN- $\gamma$ <sup>+</sup> /IL-10 <sup>+</sup> Subset Defines Disease-Suppressive Myelin-Specific CD8 T Cells. <i>Journal of Immunology</i> , 2021, 206, 1151-1160.	0.8	4
120	Novel Mouse Model of Murine Cytomegalovirus-Induced Adaptive NK Cells. <i>ImmunoHorizons</i> , 2022, 6, 8-15.	1.8	4
121	Autoimmunity Increases Susceptibility to and Mortality from Sepsis. <i>ImmunoHorizons</i> , 2021, 5, 844-854.	1.8	3