

Klaus Heeg

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142
papers

8,064
citations

44
h-index

88
g-index

147
ext. papers

8,660
ext. citations

6.1
avg, IF

5.44
L-index

#	Paper	IF	Citations
142	Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells. <i>European Journal of Immunology</i> , 1998 , 28, 2045-54	6.1	698
141	CpG-DNA-specific activation of antigen-presenting cells requires stress kinase activity and is preceded by non-specific endocytosis and endosomal maturation. <i>EMBO Journal</i> , 1998 , 17, 6230-40	13	509
140	Bacterial DNA causes septic shock. <i>Nature</i> , 1997 , 386, 336-7	50.4	370
139	Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. <i>European Journal of Immunology</i> , 1997 , 27, 1671-9	6.1	370
138	CpG-containing synthetic oligonucleotides promote B and cytotoxic T cell responses to protein antigen: a new class of vaccine adjuvants. <i>European Journal of Immunology</i> , 1997 , 27, 2340-4	6.1	338
137	PD-L1 expression on tolerogenic APCs is controlled by STAT-3. <i>European Journal of Immunology</i> , 2011 , 41, 413-24	6.1	236
136	Immunostimulatory DNA: sequence-dependent production of potentially harmful or useful cytokines. <i>European Journal of Immunology</i> , 1997 , 27, 3420-6	6.1	229
135	IL-4 instructs TH1 responses and resistance to <i>Leishmania major</i> in susceptible BALB/c mice. <i>Nature Immunology</i> , 2001 , 2, 1054-60	19.1	228
134	Suppressor of cytokine signaling (SOCS) proteins indirectly regulate toll-like receptor signaling in innate immune cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 54708-15	5.4	213
133	Suppressors of cytokine signaling (SOCS)-1 and SOCS-3 are induced by CpG-DNA and modulate cytokine responses in APCs. <i>Journal of Immunology</i> , 2001 , 166, 7082-9	5.3	207
132	The toll-like receptor 2 R753Q polymorphism defines a subgroup of patients with atopic dermatitis having severe phenotype. <i>Journal of Allergy and Clinical Immunology</i> , 2004 , 113, 565-7	11.5	206
131	T-T cell interactions during cytotoxic T lymphocyte (CTL) responses: T cell derived helper factor (Interleukin 2) as a probe to analyze CTL responsiveness and thymic maturation of CTL progenitors. <i>Immunological Reviews</i> , 1980 , 51, 215-55	11.3	201
130	Differential recognition of TLR-dependent microbial ligands in human bronchial epithelial cells. <i>Journal of Immunology</i> , 2007 , 178, 3134-42	5.3	148
129	Histone deacetylase inhibitors decrease Toll-like receptor-mediated activation of proinflammatory gene expression by impairing transcription factor recruitment. <i>Immunology</i> , 2007 , 122, 596-606	7.8	138
128	CpG-oligodeoxynucleotides co-stimulate primary T cells in the absence of antigen-presenting cells. <i>European Journal of Immunology</i> , 1999 , 29, 1209-18	6.1	138
127	Regulation of innate immunity by suppressor of cytokine signaling (SOCS) proteins. <i>Immunobiology</i> , 2008 , 213, 225-35	3.4	136
126	Activation of toll-like receptor 9 by DNA from different bacterial species. <i>Infection and Immunity</i> , 2006 , 74, 940-6	3.7	131

125	Immunostimulatory CpG-DNA activates murine microglia. <i>Journal of Immunology</i> , 2002 , 168, 4854-63	5.3	125
124	CpG-DNA-mediated transient lymphadenopathy is associated with a state of Th1 predisposition to antigen-driven responses. <i>Journal of Immunology</i> , 2000 , 165, 1228-35	5.3	118
123	A rapid colorimetric assay for the determination of IL-2-producing helper T cell frequencies. <i>Journal of Immunological Methods</i> , 1985 , 77, 237-46	2.5	116
122	Superantigen mediated shock: a cytokine release syndrome. <i>Immunobiology</i> , 1993 , 189, 270-84	3.4	111
121	Phosphodiester CpG oligonucleotides as adjuvants: polyguanosine runs enhance cellular uptake and improve immunostimulative activity of phosphodiester CpG oligonucleotides in vitro and in vivo. <i>Immunology</i> , 2002 , 106, 102-12	7.8	101
120	Quantitative detection of periodontopathogens by real-time PCR. <i>Journal of Microbiological Methods</i> , 2004 , 59, 117-25	2.8	96
119	Superantigen and endotoxin synergize in the induction of lethal shock. <i>European Journal of Immunology</i> , 1997 , 27, 825-33	6.1	95
118	Differential effects of CpG-DNA in Toll-like receptor-2/-4/-9 tolerance and cross-tolerance. <i>Immunology</i> , 2005 , 116, 203-12	7.8	91
117	Plasmodium falciparum merozoites primarily stimulate the V gamma 9 subset of human gamma/delta T cells. <i>European Journal of Immunology</i> , 1991 , 21, 2613-6	6.1	91
116	CpG DNA as a Th1 trigger. <i>International Archives of Allergy and Immunology</i> , 2000 , 121, 87-97	3.7	90
115	Modifications in small interfering RNA that separate immunostimulation from RNA interference. <i>Journal of Immunology</i> , 2008 , 180, 3229-37	5.3	88
114	Vaccination of class I major histocompatibility complex (MHC)-restricted murine CD8+ cytotoxic T lymphocytes towards soluble antigens: immunostimulating-ovalbumin complexes enter the class I MHC-restricted antigen pathway and allow sensitization against the immunodominant peptide. <i>European Journal of Immunology</i> , 1991 , 21, 1523-7	6.1	87
113	Induction of suppressor of cytokine signaling-1 by Toxoplasma gondii contributes to immune evasion in macrophages by blocking IFN-gamma signaling. <i>Journal of Immunology</i> , 2006 , 176, 1840-7	5.3	85
112	The Toll-like receptor 2 R753Q mutation modifies cytokine production and Toll-like receptor expression in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 121, 1013-9	11.5	80
111	Vaccination with immunodominant peptides encapsulated in Quil A-containing liposomes induces peptide-specific primary CD8+ cytotoxic T cells. <i>Vaccine</i> , 1994 , 12, 73-80	4.1	69
110	Real-time polymerase chain reaction for detection and quantification of bacteria in periodontal patients. <i>Journal of Periodontology</i> , 2005 , 76, 1542-9	4.6	66
109	Cross-specificity of protective human antibodies against Klebsiella pneumoniae LPS O-antigen. <i>Nature Immunology</i> , 2018 , 19, 617-624	19.1	64
108	Clonal deletion as direct consequence of an in vivo T cell response to bacterial superantigen. <i>European Journal of Immunology</i> , 1993 , 23, 1197-200	6.1	63

107	Triggering of Toll-like receptors modulates IFN-gamma signaling: involvement of serine 727 STAT1 phosphorylation and suppressors of cytokine signaling. <i>European Journal of Immunology</i> , 2003 , 33, 1776-87	6.1	61
106	Role of interleukin-18 (IL-18) during lethal shock: decreased lipopolysaccharide sensitivity but normal superantigen reaction in IL-18-deficient mice. <i>Infection and Immunity</i> , 2000 , 68, 3502-8	3.7	61
105	Staphylococcus aureus-induced plasmacytoid dendritic cell activation is based on an IgG-mediated memory response. <i>Journal of Immunology</i> , 2008 , 181, 3823-33	5.3	52
104	Involvement of suppressors of cytokine signaling in toll-like receptor-mediated block of dendritic cell differentiation. <i>Blood</i> , 2006 , 108, 4102-8	2.2	52
103	DNA from periodontopathogenic bacteria is immunostimulatory for mouse and human immune cells. <i>Infection and Immunity</i> , 2003 , 71, 850-6	3.7	52
102	Differences in innate immune responses upon stimulation with gram-positive and gram-negative bacteria. <i>Journal of Periodontal Research</i> , 2006 , 41, 447-54	4.3	50
101	Effective postexposure treatment of retrovirus-induced disease with immunostimulatory DNA containing CpG motifs. <i>Journal of Virology</i> , 2002 , 76, 11397-404	6.6	49
100	Induction of type I IFN is a physiological immune reaction to apoptotic cell-derived membrane microparticles. <i>Journal of Immunology</i> , 2012 , 189, 1747-56	5.3	44
99	In vivo CTL induction with point-substituted ovalbumin peptides: immunogenicity correlates with peptide-induced MHC class I stability. <i>Vaccine</i> , 1995 , 13, 313-20	4.1	44
98	HLA-A2-restricted peripheral blood cytolytic T lymphocyte response to HPV type 16 proteins E6 and E7 from patients with neoplastic cervical lesions. <i>Cancer Immunology, Immunotherapy</i> , 1996 , 42, 151-60	7.4	44
97	Exogenous superantigens acutely trigger distinct levels of peripheral T cell tolerance/immunosuppression: dose-response relationship. <i>European Journal of Immunology</i> , 1994 , 24, 1893-902	6.1	43
96	Pathogen-triggered activation of plasmacytoid dendritic cells induces IL-10-producing B cells in response to Staphylococcus aureus. <i>Journal of Immunology</i> , 2013 , 190, 1591-602	5.3	42
95	Micromonas (Peptostreptococcus) micros: unusual case of prosthetic joint infection associated with dental procedures. <i>International Journal of Medical Microbiology</i> , 2005 , 294, 465-70	3.7	42
94	Mechanisms of peripheral T cell deletion: anergized T cells are Fas resistant but undergo proliferation-associated apoptosis. <i>European Journal of Immunology</i> , 1996 , 26, 1459-67	6.1	38
93	Structural requirements for uptake and recognition of CpG oligonucleotides. <i>International Journal of Medical Microbiology</i> , 2008 , 298, 33-8	3.7	37
92	Kinetic of RelA activation controls magnitude of TLR-mediated IL-12p40 induction. <i>Journal of Immunology</i> , 2009 , 182, 2176-84	5.3	36
91	Characterization of suppressive oligodeoxynucleotides that inhibit Toll-like receptor-9-mediated activation of innate immunity. <i>Immunology</i> , 2008 , 123, 118-28	7.8	36
90	Toll-like receptors differentially induce nucleosome remodelling at the IL-12p40 promoter. <i>EMBO Reports</i> , 2004 , 5, 172-7	6.5	33

89	Signal Integration Following Toll-like Receptor Triggering. <i>Critical Reviews in Immunology</i> , 2002 , 22, 34	1.8	33
88	CpG DNA in the prevention and treatment of infections. <i>BioDrugs</i> , 2002 , 16, 419-31	7.9	33
87	Identification of a nuclear localization signal in suppressor of cytokine signaling 1. <i>FASEB Journal</i> , 2008 , 22, 4296-305	0.9	32
86	Poly-guanosine strings improve cellular uptake and stimulatory activity of phosphodiester CpG oligonucleotides in human leukocytes. <i>Vaccine</i> , 2004 , 23, 148-55	4.1	32
85	Inhibition of Histone Deacetylases Permits Lipopolysaccharide-Mediated Secretion of Bioactive IL-1 β via a Caspase-1-Independent Mechanism. <i>Journal of Immunology</i> , 2015 , 195, 5421-31	5.3	30
84	Guanosine-rich oligodeoxynucleotides induce proliferation of macrophage progenitors in cultures of murine bone marrow cells. <i>European Journal of Immunology</i> , 1999 , 29, 3496-506	6.1	30
83	DIFFERENTIAL EFFECTS OF THE IMMUNOSUPPRESSIVE AGENTS CYCLOSPORINE AND LEFLUNOMIDE IN VIVO LEFLUNOMIDE BLOCKS CLONAL T CELL EXPANSION YET ALLOWS PRODUCTION OF LYMPHOKINES AND MANIFESTATION OF T CELL-MEDIATED SHOCK. <i>Transplantation</i> , 1995 , 59, 382-389	1.8	30
82	CpG oligonucleotides as adjuvant in therapeutic vaccines against parasitic infections. <i>International Journal of Medical Microbiology</i> , 2008 , 298, 39-44	3.7	29
81	Identification of interleukin 2-producing T helper cells within murine Lyt-2+ T lymphocytes: frequency, specificity and clonal segregation from Lyt-2+ precursors of cytotoxic T lymphocytes. <i>European Journal of Immunology</i> , 1987 , 17, 229-36	6.1	29
80	Granzyme A produces bioactive IL-1 β through a nonapoptotic inflammasome-independent pathway. <i>Cell Reports</i> , 2014 , 9, 910-7	10.6	28
79	TLR9-activating DNA up-regulates ZAP70 via sustained PKB induction in IgM+ B cells. <i>Journal of Immunology</i> , 2008 , 181, 8267-77	5.3	28
78	Significant increase in cultivation of <i>Gardnerella vaginalis</i> , <i>Alloscardovia omnicolens</i> , <i>Actinotignum schaalii</i> , and <i>Actinomyces</i> spp. in urine samples with total laboratory automation. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018 , 37, 1305-1311	5.3	26
77	The Interplay of Notch Signaling and STAT3 in TLR-Activated Human Primary Monocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 241	5.9	26
76	TLR-induced negative regulatory circuits: role of suppressor of cytokine signaling (SOCS) proteins in innate immunity. <i>Vaccine</i> , 2003 , 21 Suppl 2, S61-7	4.1	25
75	CpG-DNA as immune response modifier. <i>International Journal of Medical Microbiology</i> , 2004 , 294, 345-54	3.7	25
74	Poke weed mitogen requires Toll-like receptor ligands for proliferative activity in human and murine B lymphocytes. <i>PLoS ONE</i> , 2012 , 7, e29806	3.7	24
73	Heterogeneity of host TLR2 stimulation by <i>Staphylococcus aureus</i> isolates. <i>PLoS ONE</i> , 2014 , 9, e96416	3.7	24
72	<i>Pasteurella multocida</i> toxin-stimulated osteoclast differentiation is B cell dependent. <i>Infection and Immunity</i> , 2011 , 79, 220-8	3.7	22

71	Immunopharmacology of CpG DNA. <i>Biological Chemistry</i> , 2002 , 383, 1491-500	4.5	22
70	Ca(2+) -related signaling events influence TLR9-induced IL-10 secretion in human B cells. <i>European Journal of Immunology</i> , 2014 , 44, 1285-98	6.1	21
69	Interaction of lipoteichoic acid and CpG-DNA during activation of innate immune cells. <i>Immunobiology</i> , 2002 , 206, 392-407	3.4	21
68	Frequency analysis of cyclosporine-sensitive cytotoxic T lymphocyte precursors. <i>Transplantation</i> , 1984 , 38, 532-6	1.8	21
67	Induction of unresponsiveness to the superantigen staphylococcal enterotoxin B: cyclosporin A resistant split unresponsiveness unfolds in vivo without preceding clonal expansion. <i>International Immunology</i> , 1993 , 5, 929-37	4.9	20
66	Regulation of Toll-like receptor 4-mediated immune responses through <i>Pasteurella multocida</i> toxin-induced G protein signalling. <i>Cell Communication and Signaling</i> , 2012 , 10, 22	7.5	19
65	CpG-oligonucleotides in vaccination: signaling and mechanisms of action. <i>Immunobiology</i> , 2001 , 204, 667-76	3.4	19
64	Superantigen-reactive T cells that display an anergic phenotype in vitro appear functional in vivo. <i>International Immunology</i> , 1995 , 7, 105-14	4.9	19
63	Interleukin 4 (BSF-1) induces growth in resting murine CD8 T cells triggered via cross-linking of T3 cell surface structures. <i>European Journal of Immunology</i> , 1988 , 18, 767-72	6.1	19
62	Increase in the prevalence of Panton-Valentine leukocidin and clonal shift in community-onset methicillin-resistant <i>Staphylococcus aureus</i> causing skin and soft-tissue infections in the Rhine-Neckar Region, Germany, 2012-2016. <i>International Journal of Antimicrobial Agents</i> , 2019 , 53, 261-267	14.3	19
61	<i>Pasteurella multocida</i> Toxin-induced Pim-1 expression disrupts suppressor of cytokine signalling (SOCS)-1 activity. <i>Cellular Microbiology</i> , 2010 , 12, 1732-45	3.9	17
60	Rapid development of cefiderocol resistance in carbapenem-resistant <i>Enterobacter cloacae</i> during therapy is associated with heterogeneous mutations in the catecholate siderophore receptor <i>cirA</i> . <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	17
59	Analysis of immunological tolerance to major histocompatibility complex antigens. I. High frequencies of tolerogen-specific cytotoxic T lymphocyte precursors in mice neonatally tolerized to class I major histocompatibility complex antigens. <i>European Journal of Immunology</i> , 1985 , 15, 25-30	6.1	15
58	Hsa-miR-99b/let-7e/miR-125a Cluster Regulates Pathogen Recognition Receptor-Stimulated Suppressive Antigen-Presenting Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 1224	8.4	14
57	Alloreactive cytotoxic T cells. I. Alloreactive and allorestricted cytotoxic T cells. <i>European Journal of Immunology</i> , 1985 , 15, 387-93	6.1	14
56	IRAK4 turns IL-10+ phospho-FOXO+ monocytes into pro-inflammatory cells by suppression of protein kinase B. <i>European Journal of Immunology</i> , 2013 , 43, 1630-42	6.1	13
55	Immunostimulatory DNA as adjuvant: efficacy of phosphodiester CpG oligonucleotides is enhanced by 3Tsequence modifications. <i>Vaccine</i> , 2003 , 21, 990-5	4.1	13
54	IL-1 β As Mediator of Resolution That Reprograms Human Peripheral Monocytes toward a Suppressive Phenotype. <i>Frontiers in Immunology</i> , 2017 , 8, 899	8.4	12

53	CpG oligonucleotides with modified termini and nicked dumbbell structure show enhanced immunostimulatory activity. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 5031-44	8.3	12
52	Bacterial superantigens induce T cell unresponsiveness in B cell-deficient mice. <i>European Journal of Immunology</i> , 1995 , 25, 3187-90	6.1	12
51	Dissection of signals controlling T cell function and activation: H7, an inhibitor of protein kinase C, blocks induction of primary T cell proliferation by suppressing interleukin (IL)2 receptor expression without affecting IL2 production. <i>European Journal of Immunology</i> , 1991 , 21, 1575-82	6.1	12
50	Functional variation reflects intra-strain diversity of Staphylococcus aureus small colony variants in the host-pathogen interaction. <i>International Journal of Medical Microbiology</i> , 2013 , 303, 61-9	3.7	11
49	Transmission of ST8-USA300 Latin American Variant Methicillin-Resistant Staphylococcus aureus on a Neonatal Intensive Care Unit: Recurrent Skin and Soft- Tissue Infections as a Marker for Epidemic Community-Associated-MRSA Colonization. <i>Infection Control and Hospital Epidemiology</i> , 2017 , 38, 883-885	2	11
48	Entry of Panton-Valentine leukocidin-positive methicillin-resistant Staphylococcus aureus into the hospital: prevalence and population structure in Heidelberg, Germany 2015-2018. <i>Scientific Reports</i> , 2020 , 10, 13243	4.9	11
47	PDC expressing CD36, CD61 and IL-10 may contribute to propagation of immune tolerance. <i>Autoimmunity</i> , 2009 , 42, 353-5	3	10
46	Synergy between interleukin 4 and interleukin 2 conveys resistance to cyclosporin A during primary in vitro activation of murine CD8 cytotoxic T cell precursors. <i>European Journal of Immunology</i> , 1989 , 19, 625-30	6.1	10
45	Molecular characterization of carbapenem-resistant Acinetobacter baumannii using WGS revealed missed transmission events in Germany from 2012-15. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 3473-3480	5.1	9
44	Pasteurella multocida Toxin Manipulates T Cell Differentiation. <i>Frontiers in Microbiology</i> , 2015 , 6, 1273	5.7	9
43	Self-veto mechanism of CD8+ cytotoxic effector T cells. Peptide-induced paralysis affects the peptide-MHC-recognizing cytotoxic T lymphocytes and is independent of Fas/Fas ligand interactions. <i>European Journal of Immunology</i> , 1998 , 28, 1911-22	6.1	9
42	Immunostimulatory CpG oligonucleotides form defined three-dimensional structures: results from an NMR study. <i>ChemMedChem</i> , 2007 , 2, 549-60	3.7	9
41	Challenges in interpretation of WGS and epidemiological data to investigate nosocomial transmission of vancomycin-resistant Enterococcus faecium in an endemic region: incorporation of patient movement network and admission screening. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 1716-1721	5.1	9
40	Reactivity of Ly-2+ T cells against 2,4,6-trinitrophenyl (TNP)-modified syngeneic stimulator cells: specificity, frequency of interleukin 2-producing Ly-2+ helper T cells and clonal segregation from Ly-2+ cytotoxic T lymphocytes. <i>European Journal of Immunology</i> , 1988 , 18, 325-32	6.1	8
39	T-T cell interactions during in vitro cytotoxic T cell responses. VI. The role of T cell-derived colony-stimulating factor in helper T cell activation. <i>European Journal of Immunology</i> , 1984 , 14, 176-80	6.1	8
38	Guanosine-rich oligodeoxynucleotides induce proliferation of macrophage progenitors in cultures of murine bone marrow cells 1999 , 29, 3496		8
37	Silencing SOCS1 via Liposome-Packed siRNA Sustains TLR4-Ligand Adjuvant. <i>Frontiers in Immunology</i> , 2019 , 10, 1279	8.4	7
36	Nasal colonization with Staphylococcus aureus is a risk factor for ventricular assist device infection in the first year after implantation: A prospective, single-centre, cohort study. <i>Journal of Infection</i> , 2020 , 80, 511-518	18.9	7

35	Host-Derived as a Novel Diagnostic Biomarker for Bacterial Sepsis-Results From a Combinational Secondary Analysis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 267	5.9	7
34	Bifunctional oligodeoxynucleotide/antagomiR constructs: evaluation of a new tool for microRNA silencing. <i>Nucleic Acid Therapeutics</i> , 2013 , 23, 427-34	4.8	7
33	Integrative Analysis of Whole Genome Sequencing and Phenotypic Resistance Toward Prediction of Trimethoprim-Sulfamethoxazole Resistance in. <i>Frontiers in Microbiology</i> , 2020 , 11, 607842	5.7	7
32	Streptococcal Pyrogenic Exotoxin A-Stimulated Monocytes Mediate Regulatory T-Cell Accumulation through PD-L1 and Kynurenine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
31	Genomic structure of ST8-t008 USA300 and USA300-LV MRSA in the Rhine-Neckar Region, Germany, 2012-2018. <i>International Journal of Antimicrobial Agents</i> , 2021 , 57, 106312	14.3	6
30	The potential of SARS-CoV-2 antigen-detection tests in the screening of asymptomatic persons. <i>Clinical Microbiology and Infection</i> , 2021 , 27, 1700.e1-1700.e3	9.5	6
29	Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells 1998 , 28, 2045		6
28	T-cell activation or tolerization: the Yin and Yang of bacterial superantigens. <i>Frontiers in Microbiology</i> , 2015 , 6, 1153	5.7	5
27	Acquisition and Transmission of Carbapenemase-Producing (blaKPC-2) <i>Enterobacter cloacae</i> in a Highly Frequented Outpatient Clinic. <i>Clinical Infectious Diseases</i> , 2021 , 72, e158-e161	11.6	5
26	Improvement of infection control management by routine molecular evaluation of pathogen clusters. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017 , 88, 82-87	2.9	4
25	Phosphorothioate-modified CpG oligodeoxynucleotides mimic autoantigens and reveal a potential role for Toll-like receptor 9 in receptor revision. <i>Immunology</i> , 2013 , 139, 166-78	7.8	4
24	L3T4+ T-cell-independent reactivity of Lyt2+ T cells in vivo. <i>Cellular Immunology</i> , 1988 , 111, 148-57	4.4	4
23	New Delhi metallo-beta-lactamase facilitates the emergence of cefiderocol resistance in. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , AAC0201121	5.9	4
22	Emergence of carbapenem-resistant ST131 carrying in Germany, 2019 to 2020. <i>Eurosurveillance</i> , 2020 , 25,	19.8	4
21	Fast and automated detection of common carbapenemase genes using multiplex real-time PCR on the BD MAX [®] system. <i>Journal of Microbiological Methods</i> , 2021 , 185, 106224	2.8	4
20	High-dose irradiated splenic stimulator cells show no endogenous interleukin-2 production but stimulate clonally developing helper T cells to produce interleukin-2. <i>Journal of Immunological Methods</i> , 1988 , 109, 185-91	2.5	3
19	Pitfalls in genotypic antimicrobial susceptibility testing caused by low expression of blaKPC in <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 2795-2801	5.1	3
18	Draft Genome Sequence of <i>Staphylococcus aureus</i> Strain HD1410, Isolated from a Persistent Nasal Carrier. <i>Genome Announcements</i> , 2018 , 6,		3

17	Extractable organic matter of standard reference material 1649a influences immunological response induced by pathogen-associated molecular patterns. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 1257-67	5.1	2
16	The Impact of Discontinuing Contact Precautions and Enforcement of Basic Hygiene Measures on Nosocomial Vancomycin-Resistant <i>Enterococcus faecium</i> Transmission. <i>Journal of Hospital Infection</i> , 2021 ,	6.9	2
15	Multiple Signals Required in Cytolytic T Cell Responses 1986 , 386-395		2
14	Inflammatory Response Against Intracellular Sensing of Nucleic Acids in Keratinocytes.. <i>Frontiers in Immunology</i> , 2022 , 13, 828626	8.4	2
13	Notch Ligand Delta-Like 1 Is Associated With Loss of Vascular Endothelial Barrier Function.. <i>Frontiers in Physiology</i> , 2021 , 12, 766713	4.6	2
12	Soluble Notch ligand DLL1 is associated with bleeding complication in patients with dengue fever infection. <i>Journal of Infectious Diseases</i> , 2021 ,	7	1
11	Molecular analysis of an increase in trimethoprim/sulfamethoxazole-resistant MRSA reveals multiple introductions into a tertiary care hospital, Germany 2012-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 ,	5.1	1
10	Surveillance for Colonization, Transmission, and Infection With Methicillin-Susceptible <i>Staphylococcus aureus</i> in a Neonatal Intensive Care Unit. <i>JAMA Network Open</i> , 2021 , 4, e2124938	10.4	1
9	Direct-PCR from rectal swabs and environmental reservoirs: A fast and efficient alternative to detect bla carbapenemase genes in an <i>Enterobacter cloacae</i> outbreak setting. <i>Environmental Research</i> , 2022 , 203, 111808	7.9	1
8	Genomic Investigation and Successful Containment of an Intermittent Common Source Outbreak of OXA-48-Producing <i>Enterobacter cloacae</i> Related to Hospital Shower Drains. <i>Microbiology Spectrum</i> , 2021 , e0138021	8.9	0
7	Phenotypic Detection of Hemin-Inducible Trimethoprim-Sulfamethoxazole Heteroresistance in <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2021 , 9, e0151021	8.9	0
6	Cefiderocol Protects against Cytokine- and Endotoxin-Induced Disruption of Vascular Endothelial Cell Integrity in an In Vitro Experimental Model. <i>Antibiotics</i> , 2022 , 11, 581	4.9	0
5	The Innate Immune System. <i>NeuroImmune Biology</i> , 2007 , 87-99		
4	<i>Staphylococcus massiliensis</i> isolated from human blood cultures, Germany, 2017-2020.. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2022 , 1	5.3	
3	Mechanisms of T-Cell Activation 1990 , 19-23		
2	Outbreak of Nosocomial Respiratory Syncytial Virus Infections in a Hematology and Transplant Unit.. <i>Blood</i> , 2012 , 120, 3032-3032	2.2	
1	Comparative Genomic Reveals Clonal Heterogeneity in Persistent Infection.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 817841	5.9	