Gabriel Nez

List of Publications by Citations

184 papers	53,984 citations	91 h-index	191 g-index
191 ext. papers	62,692 ext. citations	15.7 avg, IF	7.67 L-index

#	Paper	IF	Citations
184	A frameshift mutation in NOD2 associated with susceptibility to Crohn's disease. *Nature*, **2001**, 411, 603-6	50.4	4014
183	Bcl-2 is an inner mitochondrial membrane protein that blocks programmed cell death. *Nature*, **1990**, 348, 334-6	50.4	3318
182	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160
181	Interleukin-3-induced phosphorylation of BAD through the protein kinase Akt. *Science*, **1997**, 278, 687-9	33.3	1969
180	Sterile inflammation: sensing and reacting to damage. *Nature Reviews Immunology*, **2010**, 10, 826-37	36.5	1960
179	Nod2-dependent regulation of innate and adaptive immunity in the intestinal tract. *Science*, **2005**, 307, 731-4	33.3	1459
178	A small-molecule inhibitor of the NLRP3 inflammasome for the treatment of inflammatory diseases. *Nature Medicine*, **2015**, 21, 248-55	50.5	1354
177	Role of the gut microbiota in immunity and inflammatory disease. *Nature Reviews Immunology*, **2013**, 13, 321-35	36.5	1263
176	The inflammasome: a caspase-1-activation platform that regulates immune responses and disease pathogenesis. *Nature Immunology*, **2009**, 10, 241-7	19.1	1263
175	Host recognition of bacterial muramyl dipeptide mediated through NOD2. Implications for Crohn's disease. *Journal of Biological Chemistry*, **2003**, 278, 5509-12	5.4	1255
174	Mechanism and Regulation of NLRP3 Inflammasome Activation. *Trends in Biochemical Sciences*, **2016**, 41, 1012-1021	10.3	1222
173	A Dietary Fiber-Deprived Gut Microbiota Degrades the Colonic Mucus Barrier and Enhances Pathogen Susceptibility. *Cell*, **2016**, 167, 1339-1353.e21	56.2	1149
172	K+ efflux is the common trigger of NLRP3 inflammasome activation by bacterial toxins and particulate matter. *Immunity*, **2013**, 38, 1142-53	32.3	1140
171	Nod2, a Nod1/Apaf-1 family member that is restricted to monocytes and activates NF-kappaB. *Journal of Biological Chemistry*, **2001**, 276, 4812-8	5.4	1038
170	An essential role for NOD1 in host recognition of bacterial peptidoglycan containing diaminopimelic acid. *Nature Immunology*, **2003**, 4, 702-7	19.1	996
169	Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. *Nature Immunology*, **2010**, 11, 55-62	19.1	968
168	Cytosolic flagellin requires Ipaf for activation of caspase-1 and interleukin 1beta in salmonella-infected macrophages. *Nature Immunology*, **2006**, 7, 576-82	19.1	910

167	Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. *Nature*, **2006**, 440, 233-6	50.4	891
166	Control of pathogens and pathobionts by the gut microbiota. *Nature Immunology*, **2013**, 14, 685-90	19.1	866
165	Intracellular NOD-like receptors in host defense and disease. *Immunity*, **2007**, 27, 549-59	32.3	774
164	Sensing and reacting to microbes through the inflammasomes. *Nature Immunology*, **2012**, 13, 325-32	19.1	739
163	RICK/Rip2/CARDIAK mediates signalling for receptors of the innate and adaptive immune systems. *Nature*, **2002**, 416, 194-9	50.4	731
162	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. *Cell Death and Differentiation*, **2015**, 22, 58-73	12.7	643
161	The NLR gene family: a standard nomenclature. *Immunity*, **2008**, 28, 285-7	32.3	618
160	Deregulated Bcl-2 gene expression selectively prolongs survival of growth factor-deprived hemopoietic cell lines. *Journal of Immunology*, **1990**, 144, 3602-10	5.3	614
159	Th17 Cell Induction by Adhesion of Microbes to Intestinal Epithelial Cells. *Cell*, **2015**, 163, 367-80	56.2	612
158	Function of Nod-like receptors in microbial recognition and host defense. *Immunological Reviews*, **2009**, 227, 106-28	11.3	571
157	NEK7 is an essential mediator of NLRP3 activation downstream of potassium efflux. *Nature*, **2016**, 530, 354-7	50.4	551
156	Nod1, an Apaf-1-like activator of caspase-9 and nuclear factor-kappaB. *Journal of Biological Chemistry*, **1999**, 274, 14560-7	5.4	550
155	Requirement for T-cell apoptosis in the induction of peripheral transplantation tolerance. *Nature Medicine*, **1999**, 5, 1303-7	50.5	529
154	Critical role for Cryopyrin/Nalp3 in activation of caspase-1 in response to viral infection and double-stranded RNA. *Journal of Biological Chemistry*, **2006**, 281, 36560-8	5.4	525
153	NOD-like receptors: role in innate immunity and inflammatory disease. *Annual Review of Pathology: Mechanisms of Disease*, **2009**, 4, 365-98	34	518
152	Gut microbiota: Role in pathogen colonization, immune responses, and inflammatory disease. *Immunological Reviews*, **2017**, 279, 70-89	11.3	515
151	Bcl-XL interacts with Apaf-1 and inhibits Apaf-1-dependent caspase-9 activation. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 4386-91	11.5	478
150	Crohn's disease and the NOD2 gene: a role for paneth cells. *Gastroenterology*, **2003**, 125, 47-57	13.3	441

149	Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome. *Journal of Immunology*, **2011**, 187, 613-7	5.3	431
148	NOD1 and NOD2: signaling, host defense, and inflammatory disease. *Immunity*, **2014**, 41, 898-908	32.3	424
147	Differential regulation of caspase-1 activation, pyroptosis, and autophagy via Ipaf and ASC in Shigella-infected macrophages. *PLoS Pathogens*, **2007**, 3, e111	7.6	422
146	Regulated virulence controls the ability of a pathogen to compete with the gut microbiota. *Science*, **2012**, 336, 1325-9	33.3	418
145	Human Nod1 confers responsiveness to bacterial lipopolysaccharides. *Journal of Biological Chemistry*, **2001**, 276, 2551-4	5.4	400
144	Cutting edge: TNF-alpha mediates sensitization to ATP and silica via the NLRP3 inflammasome in the absence of microbial stimulation. *Journal of Immunology*, **2009**, 183, 792-6	5.3	389
143	RICK/RIP2 mediates innate immune responses induced through Nod1 and Nod2 but not TLRs. *Journal of Immunology*, **2007**, 178, 2380-6	5.3	388
142	A critical role of RICK/RIP2 polyubiquitination in Nod-induced NF-kappaB activation. *EMBO Journal*, **2008**, 27, 373-83	13	386
141	NOD2-mediated dysbiosis predisposes mice to transmissible colitis and colorectal cancer. *Journal of Clinical Investigation*, **2013**, 123, 700-11	15.9	374
140	In Vivo Amelioration of Age-Associated Hallmarks by Partial Reprogramming. *Cell*, **2016**, 167, 1719-1733.e12	36.2	343
139	Staphylococcus Toxin induces allergic skin disease by activating mast cells. *Nature*, **2013**, 503, 397-401	50.4	332
138	Expression of NOD2 in Paneth cells: a possible link to Crohn's ileitis. *Gut*, **2003**, 52, 1591-7	19.2	326
137	A functional role for Nlrp6 in intestinal inflammation and tumorigenesis. *Journal of Immunology*, **2011**, 186, 7187-94	5.3	315
136	bcl-XL is the major bcl-x mRNA form expressed during murine development and its product localizes to mitochondria. *Development (Cambridge)*, **1994**, 120, 3033-3042	6.6	315
135	NLRC4-driven production of IL-1 discriminates between pathogenic and commensal bacteria and promotes host intestinal defense. *Nature Immunology*, **2012**, 13, 449-56	19.1	293
134	Mechanisms of inflammation-driven bacterial dysbiosis in the gut. *Mucosal Immunology*, **2017**, 10, 18-26	9.2	290
133	Regulatory regions and critical residues of NOD2 involved in muramyl dipeptide recognition. *EMBO Journal*, **2004**, 23, 1587-97	13	282
132	Differential requirement of P2X7 receptor and intracellular K+ for caspase-1 activation induced by intracellular and extracellular bacteria. *Journal of Biological Chemistry*, **2007**, 282, 18810-8	5.4	261

131	Caspase-11 Requires the Pannexin-1 Channel and the Purinergic P2X7 Pore to Mediate Pyroptosis and Endotoxic Shock. *Immunity*, **2015**, 43, 923-32	32.3	260
130	Microbiota-induced IL-1β, but not IL-6, is critical for the development of steady-state TH17 cells in the intestine. *Journal of Experimental Medicine*, **2012**, 209, 251-8	16.6	253
129	Structural mechanism for NEK7-licensed activation of NLRP3 inflammasome. *Nature*, **2019**, 570, 338-343	50.4	238
128	Endoplasmic Reticulum Stress Activates the Inflammasome via NLRP3- and Caspase-2-Driven Mitochondrial Damage. *Immunity*, **2015**, 43, 451-62	32.3	228
127	The cytosolic sensors Nod1 and Nod2 are critical for bacterial recognition and host defense after exposure to Toll-like receptor ligands. *Immunity*, **2008**, 28, 246-57	32.3	223
126	Gut dysbiosis promotes M2 macrophage polarization and allergic airway inflammation via fungi-induced PGE. *Cell Host and Microbe*, **2014**, 15, 95-102	23.4	218
125	Active MLKL triggers the NLRP3 inflammasome in a cell-intrinsic manner. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E961-E969	11.5	210
124	The Bcl-2 family of proteins: regulators of cell death and survival. *Trends in Cell Biology*, **1994**, 4, 399-403	18.3	203
123	Gut Microbiota-Induced Immunoglobulin G Controls Systemic Infection by Symbiotic Bacteria and Pathogens. *Immunity*, **2016**, 44, 647-658	32.3	198
122	Distinct Commensals Induce Interleukin-1β via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury. *Immunity*, **2015**, 42, 744-55	32.3	192
121	Bcl-2 maintains B cell memory. *Nature*, **1991**, 353, 71-3	50.4	191
120	The innate immune receptor Nod1 protects the intestine from inflammation-induced tumorigenesis. *Cancer Research*, **2008**, 68, 10060-7	10.1	185
119	Regulation of the immune system by the resident intestinal bacteria. *Gastroenterology*, **2014**, 146, 1477-88	33.3	176
118	Nod1 acts as an intracellular receptor to stimulate chemokine production and neutrophil recruitment in vivo. *Journal of Experimental Medicine*, **2006**, 203, 203-13	16.6	173
117	The Nod2 sensor promotes intestinal pathogen eradication via the chemokine CCL2-dependent recruitment of inflammatory monocytes. *Immunity*, **2011**, 34, 769-80	32.3	172
116	Activation of the Nlrp3 inflammasome by Streptococcus pyogenes requires streptolysin O and NF-kappa B activation but proceeds independently of TLR signaling and P2X7 receptor. *Journal of Immunology*, **2009**, 183, 5823-9	5.3	168
115	3,4-methylenedioxy-β-nitrostyrene inhibits NLRP3 inflammasome activation by blocking assembly of the inflammasome. *Journal of Biological Chemistry*, **2014**, 289, 1142-50	5.4	156
114	Distinct roles of TLR2 and the adaptor ASC in IL-1beta/IL-18 secretion in response to Listeria monocytogenes. *Journal of Immunology*, **2006**, 176, 4337-42	5.3	153

113	Nod1/RICK and TLR signaling regulate chemokine and antimicrobial innate immune responses in mesothelial cells. *Journal of Immunology*, **2007**, 179, 514-21	5.3	149
112	TLR agonists stimulate Nlrp3-dependent IL-1β production independently of the purinergic P2X7 receptor in dendritic cells and in vivo. *Journal of Immunology*, **2013**, 190, 334-9	5.3	138
111	Nucleotide-binding oligomerization domain 1 mediates recognition of Clostridium difficile and induces neutrophil recruitment and protection against the pathogen. *Journal of Immunology*, **2011**, 186, 4872-80	5.3	138
110	Host-microbiota interactions in inflammatory bowel disease. *Nature Reviews Immunology*, **2020**, 20, 411-426	36.5	133
109	Differential release and distribution of Nod1 and Nod2 immunostimulatory molecules among bacterial species and environments. *Journal of Biological Chemistry*, **2006**, 281, 29054-63	5.4	129
108	Neonatal acquisition of species protects against colonization by bacterial pathogens. *Science*, **2017**, 356, 315-319	33.3	122
107	The NLRP6 Inflammasome Recognizes Lipoteichoic Acid and Regulates Gram-Positive Pathogen Infection. *Cell*, **2018**, 175, 1651-1664.e14	56.2	121
106	MyD88: a critical adaptor protein in innate immunity signal transduction. *Journal of Immunology*, **2013**, 190, 3-4	5.3	118
105	Growth- and tumor-promoting effects of deregulated BCL2 in human B-lymphoblastoid cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 4589-93	11.5	116
104	Staphylococcus aureus Virulent PSMδ Peptides Induce Keratinocyte Alarmin Release to Orchestrate IL-17-Dependent Skin Inflammation. *Cell Host and Microbe*, **2017**, 22, 667-677.e5	23.4	112
103	Infection mobilizes hematopoietic stem cells through cooperative NOD-like receptor and Toll-like receptor signaling. *Cell Host and Microbe*, **2014**, 15, 779-91	23.4	109
102	The interplay between host immune cells and gut microbiota in chronic inflammatory diseases. *Experimental and Molecular Medicine*, **2017**, 49, e339	12.8	108
101	Growth factors prevent changes in Bcl-2 and Bax expression and neuronal apoptosis induced by nitric oxide. *Cell Death and Differentiation*, **1998**, 5, 911-9	12.7	106
100	The Cag pathogenicity island and interaction between TLR2/NOD2 and NLRP3 regulate IL-1β production in Helicobacter pylori infected dendritic cells. *European Journal of Immunology*, **2013**, 43, 2650-8	6.1	103
99	Cytosolic double-stranded RNA activates the NLRP3 inflammasome via MAVS-induced membrane permeabilization and K+ efflux. *Journal of Immunology*, **2014**, 193, 4214-4222	5.3	100
98	Interleukin-22 regulates the complement system to promote resistance against pathobionts after pathogen-induced intestinal damage. *Immunity*, **2014**, 41, 620-32	32.3	100
97	EGF receptor signaling inhibits keratinocyte apoptosis: evidence for mediation by Bcl-XL. *Oncogene*, **1998**, 16, 1493-9	9.2	100
96	Protective role of commensals against Clostridium difficile infection via an IL-1β-mediated positive-feedback loop. *Journal of Immunology*, **2012**, 189, 3085-91	5.3	98

95	Induction of bone loss by pathobiont-mediated Nod1 signaling in the oral cavity. *Cell Host and Microbe*, **2013**, 13, 595-601	23.4	93
94	RNase L activates the NLRP3 inflammasome during viral infections. *Cell Host and Microbe*, **2015**, 17, 466-77	23.4	92
93	Humoral Immunity in the Gut Selectively Targets Phenotypically Virulent Attaching-and-Effacing Bacteria for Intraluminal Elimination. *Cell Host and Microbe*, **2015**, 17, 617-27	23.4	89
92	Cholesterol-dependent cytolysins induce rapid release of mature IL-1beta from murine macrophages in a NLRP3 inflammasome and cathepsin B-dependent manner. *Journal of Leukocyte Biology*, **2009**, 86, 1227-38	6.5	89
91	Bcl-xL overexpression attenuates glutathione depletion in FL5.12 cells following interleukin-3 withdrawal. *Biochemical Journal*, **1997**, 325 (Pt 2), 315-9	3.8	89
90	Bax can antagonize Bcl-XL during etoposide and cisplatin-induced cell death independently of its heterodimerization with Bcl-XL. *Journal of Biological Chemistry*, **1996**, 271, 22764-72	5.4	89
89	A major role for intestinal epithelial nucleotide oligomerization domain 1 (NOD1) in eliciting host bactericidal immune responses to Campylobacter jejuni. *Cellular Microbiology*, **2007**, 9, 2404-16	3.9	88
88	Modulation of anti-IgM-induced B cell apoptosis by Bcl-xL and CD40 in WEHI-231 cells. Dissociation from cell cycle arrest and dependence on the avidity of the antibody-IgM receptor interaction. *Journal of Immunology*, **1995**, 155, 3830-8	5.3	85
87	v-raf suppresses apoptosis and promotes growth of interleukin-3-dependent myeloid cells. *Oncogene*, **1994**, 9, 2217-26	9.2	81
86	Spontaneous atopic dermatitis is mediated by innate immunity, with the secondary lung inflammation of the atopic march requiring adaptive immunity. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 482-91	11.5	79
85	Linking extracellular survival signals and the apoptotic machinery. *Current Opinion in Neurobiology*, **1998**, 8, 613-8	7.6	77
84	TAK1 is a central mediator of NOD2 signaling in epidermal cells. *Journal of Biological Chemistry*, **2008**, 283, 137-144	5.4	74
83	Shigella type III secretion protein MxiI is recognized by Naip2 to induce Nlrc4 inflammasome activation independently of Pkc *PLoS Pathogens*, **2014**, 10, e1003926	7.6	73
82	The protein kinase PKR is critical for LPS-induced iNOS production but dispensable for inflammasome activation in macrophages. *European Journal of Immunology*, **2013**, 43, 1147-52	6.1	71
81	IKK negatively regulates ASC-dependent inflammasome activation. *Nature Communications*, **2014**, 5, 4977	17.4	70
80	Shigella IpaH7.8 E3 ubiquitin ligase targets glomulin and activates inflammasomes to demolish macrophages. *Proceedings of the National Academy of Sciences of the United States of America*, **2014** , 111, E4254-63	11.5	68
79	Bax promotes neuronal survival and antagonises the survival effects of neurotrophic factors. *Development (Cambridge)*, **1996**, 122, 695-701	6.6	68
78	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. *Cell Metabolism*, **2020**, 31, 115-130.e6	24.6	64

77	Microbial metabolite sensor GPR43 controls severity of experimental GVHD. *Nature Communications*, **2018**, 9, 3674	17.4	64
76	Escherichia coli isolates from inflammatory bowel diseases patients survive in macrophages and activate NLRP3 inflammasome. *International Journal of Medical Microbiology*, **2014**, 304, 384-92	3.7	63
75	Constitutive expression of Bcl-xL or Bcl-2 prevents peptide antigen-induced T cell deletion but does not influence T cell homeostasis after a viral infection. *European Journal of Immunology*, **1998**, 28, 560-9	6.1	63
74	Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. *Nature Medicine*, **2016**, 22, 524-30	50.5	59
73	Role of the microbiota in skin immunity and atopic dermatitis. *Allergology International*, **2017**, 66, 539-544	4.4	55
72	Deregulated Bcl-2-immunoglobulin transgene expands a resting but responsive immunoglobulin M and D-expressing B-cell population. *Molecular and Cellular Biology*, **1990**, 10, 1901-1907	4.8	55
71	Iron Toxicity in the Retina Requires Alu RNA and the NLRP3 Inflammasome. *Cell Reports*, **2015**, 11, 1686-93	23.6	54
70	Intestinal macrophages arising from CCR2(+) monocytes control pathogen infection by activating innate lymphoid cells. *Nature Communications*, **2015**, 6, 8010	17.4	51
69	A specific gene-microbe interaction drives the development of Crohn's disease-like colitis in mice. *Science Immunology*, **2019**, 4,	28	50
68	A genome-wide siRNA screen reveals positive and negative regulators of the NOD2 and NF-κB signaling pathways. *Science Signaling*, **2013**, 6, rs3	8.8	49
67	ATG16L1 deficiency in macrophages drives clearance of uropathogenic E. coli in an IL-1β-dependent manner. *Mucosal Immunology*, **2015**, 8, 1388-99	9.2	47
66	Innate Nutritional Immunity. *Journal of Immunology*, **2018**, 201, 11-18	5.3	45
65	Intestinal non-canonical NFκB signaling shapes the local and systemic immune response. *Nature Communications*, **2019**, 10, 660	17.4	43
64	Cutting edge: Crohn's disease-associated Nod2 mutation limits production of proinflammatory cytokines to protect the host from Enterococcus faecalis-induced lethality. *Journal of Immunology*, **2011**, 187, 2849-52	5.3	42
63	Transitions in oral and intestinal microflora composition and innate immune receptor-dependent stimulation during mouse development. *Infection and Immunity*, **2010**, 78, 639-50	3.7	41
62	Bax homodimerization is not required for Bax to accelerate chemotherapy-induced cell death. *Journal of Biological Chemistry*, **1996**, 271, 32073-7	5.4	41
61	A bioluminescent caspase-1 activity assay rapidly monitors inflammasome activation in cells. *Journal of Immunological Methods*, **2017**, 447, 1-13	2.5	38
60	Élie Metchnikoff (1845-1916): celebrating 100 years of cellular immunology and beyond. *Nature Reviews Immunology*, **2016**, 16, 651-6	36.5	38

59	Neutrophils Restrict Tumor-Associated Microbiota to Reduce Growth and Invasion of Colon Tumors in Mice. *Gastroenterology*, **2019**, 156, 1467-1482	13.3	37
58	Maternal Immunization Confers Protection to the Offspring against an Attaching and Effacing Pathogen through Delivery of IgG in Breast Milk. *Cell Host and Microbe*, **2019**, 25, 313-323.e4	23.4	36
57	Alcohol-induced liver injury is modulated by Nlrp3 and Nlrc4 inflammasomes in mice. *Mediators of Inflammation*, **2013**, 2013, 751374	4.3	36
56	Cross-tolerization between Nod1 and Nod2 signaling results in reduced refractoriness to bacterial infection in Nod2-deficient macrophages. *Journal of Immunology*, **2008**, 181, 4340-6	5.3	33
55	Dynamic and Asymmetric Changes of the Microbial Communities after Cohousing in Laboratory Mice. *Cell Reports*, **2019**, 27, 3401-3412.e3	10.6	31
54	A genome-wide small interfering RNA (siRNA) screen reveals nuclear factor-B (NF-B)-independent regulators of NOD2-induced interleukin-8 (IL-8) secretion. *Journal of Biological Chemistry*, **2014**, 289, 28213-24	5.4	31
53	IL-18 is not therapeutic for neovascular age-related macular degeneration. *Nature Medicine*, **2014**, 20, 1372-5	50.5	31
52	Innate immune recognition of flagellin limits systemic persistence of Brucella. *Cellular Microbiology*, **2013**, 15, 942-960	3.9	31
51	Altered expression of mRNAs for apoptosis-modulating proteins in a low level multidrug resistant variant of a human lung carcinoma cell line that also expresses mdr1 mRNA. *International Journal of Cancer*, **1999**, 82, 368-76	7.5	31
50	IL-22 Controls Iron-Dependent Nutritional Immunity Against Systemic Bacterial Infections. *Science Immunology*, **2017**, 2,	28	30
49	Interruption of macrophage-derived IL-27(p28) production by IL-10 during sepsis requires STAT3 but not SOCS3. *Journal of Immunology*, **2014**, 193, 5668-77	5.3	30
48	Interaction between smoking and ATG16L1T300A triggers Paneth cell defects in Crohn's disease. *Journal of Clinical Investigation*, **2018**, 128, 5110-5122	15.9	29
47	Spontaneous atopic dermatitis in mice with a defective skin barrier is independent of ILC2 and mediated by IL-1 *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 1920-1933	9.3	28
46	Evaluation of a new dual-specificity promoter for selective induction of apoptosis in breast cancer cells. *Cancer Gene Therapy*, **2001**, 8, 298-307	5.4	28
45	Induction of Pulmonary Granuloma Formation by Propionibacterium acnes Is Regulated by MyD88 and Nox2. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 121-130	5.7	26
44	Genes with homology to DFF/CIDEs found in Drosophila melanogaster. *Cell Death and Differentiation*, **1999**, 6, 823-4	12.7	26
43	(Rosemary) Extracts Containing Carnosic Acid and Carnosol are Potent Quorum Sensing Inhibitors of Virulence. *Antibiotics*, **2020**, 9,	4.9	24
42	Identification and functional characterization of EseH, a new effector of the type III secretion system of Edwardsiella piscicida. *Cellular Microbiology*, **2017**, 19, e12638	3.9	24

41	The nucleotide synthesis enzyme CAD inhibits NOD2 antibacterial function in human intestinal epithelial cells. *Gastroenterology*, **2012**, 142, 1483-92.e6	13.3	24
40	Role of NOD1 in Heart Failure Progression via Regulation of Ca Handling. *Journal of the American College of Cardiology*, **2017**, 69, 423-433	15.1	23
39	Peptidoglycan recognition protein 3 and Nod2 synergistically protect mice from dextran sodium sulfate-induced colitis. *Journal of Immunology*, **2014**, 193, 3055-69	5.3	23
38	Role of nucleotide-binding oligomerization domain 1 (NOD1) in pericyte-mediated vascular inflammation. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 980-6	5.6	22
37	Myc-Associated Zinc Finger Protein Regulates the Proinflammatory Response in Colitis and Colon Cancer via STAT3 Signaling. *Molecular and Cellular Biology*, **2018**, 38,	4.8	22
36	NOD1, a new player in cardiac function and calcium handling. *Cardiovascular Research*, **2015**, 106, 375-86	9.9	21
35	Agr virulence is critical for epidermal colonization and associates with atopic dermatitis development. *Science Translational Medicine*, **2020**, 12,	17.5	21
34	SLC15A2 and SLC15A4 Mediate the Transport of Bacterially Derived Di/Tripeptides To Enhance the Nucleotide-Binding Oligomerization Domain-Dependent Immune Response in Mouse Bone Marrow-Derived Macrophages. *Journal of Immunology*, **2018**, 201, 652-662	5.3	21
33	Application of an agr-Specific Antivirulence Compound as Therapy for Staphylococcus aureus-Induced Inflammatory Skin Disease. *Journal of Infectious Diseases*, **2018**, 218, 1009-1013	7	19
32	Multiple effects of dendritic cell depletion on murine norovirus infection. *Journal of General Virology*, **2013**, 94, 1761-1768	4.9	19
31	TLR4: The Winding Road to the Discovery of the LPS Receptor. *Journal of Immunology*, **2016**, 197, 2561-2	5.3	18
30	Prdx4 limits caspase-1 activation and restricts inflammasome-mediated signaling by extracellular vesicles. *EMBO Journal*, **2019**, 38, e101266	13	18
29	Pathogen Colonization Resistance in the Gut and Its Manipulation for Improved Health. *American Journal of Pathology*, **2019**, 189, 1300-1310	5.8	15
28	Innate Immunity: ER Stress Recruits NOD1 and NOD2 for Delivery of Inflammation. *Current Biology*, **2016**, 26, R508-R511	6.3	14
27	RACK1 Mediates NLRP3 Inflammasome Activation by Promoting NLRP3 Active Conformation and Inflammasome Assembly. *Cell Reports*, **2020**, 33, 108405	10.6	13
26	An Enteric Pathogen Subverts Colonization Resistance by Evading Competition for Amino Acids in the Gut. *Cell Host and Microbe*, **2020**, 28, 526-533.e5	23.4	13
25	Loss of NLRP6 expression increases the severity of acute kidney injury. *Nephrology Dialysis Transplantation*, **2020**, 35, 587-598	4.3	12
24	Targeting cancer cell death with a bcl-XS adenovirus. *Seminars in Immunopathology*, **1998**, 19, 279-88		10

23	In vivo mapping of a protective linear neutralizing epitope at the N-terminus of alpha hemolysin from Staphylococcus aureus. *Molecular Immunology*, **2014**, 60, 62-71	4.3	8
22	Gut microbiota and systemic immunity in health and disease. *International Immunology*, **2021**, 33, 197-209	4.9	8
21	NLR Nod1 signaling promotes survival of BCR-engaged mature B cells through up-regulated Nod1 as a positive outcome. *Journal of Experimental Medicine*, **2017**, 214, 3067-3083	16.6	7
20	A major role for intestinal epithelial nucleotide oligomerization domain 1 (NOD1) in eliciting host bactericidal immune responses to Campylobacter jejuni. *Cellular Microbiology*, **2007**, 9, 2541-2541	3.9	7
19	Recognition of the microbiota by Nod2 contributes to the oral adjuvant activity of cholera toxin through the induction of interleukin-1 *Immunology*, **2019**, 158, 219-229	7.8	6
18	Functional characteristics of the Staphylococcus aureus toxin allelic variant G10S. *Scientific Reports*, **2015**, 5, 18023	4.9	6
17	Lipopolysaccharide O structure of adherent and invasive Escherichia coli regulates intestinal inflammation via complement C3. *PLoS Pathogens*, **2020**, 16, e1008928	7.6	6
16	The Genomic Sequence of the Oral Pathobiont Strain NI1060 Reveals Unique Strategies for Bacterial Competition and Pathogenicity. *PLoS ONE*, **2016**, 11, e0158866	3.7	6
15	Are heat shock proteins DAMPs?. *Nature Reviews Immunology*, **2011**, 11, 565-565	36.5	5
14	Loss of gal during primate evolution enhanced antibody-effector function and resistance to bacterial sepsis. *Cell Host and Microbe*, **2021**, 29, 347-361.e12	23.4	5
13	Altering the Microbiome Inhibits Tumorigenesis in a Mouse Model of Oviductal High-Grade Serous Carcinoma. *Cancer Research*, **2021**, 81, 3309-3318	10.1	4
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