Stephen E Girardin

List of Publications by Year
in descending order

158 papers	28,616 citations	9775 73 h-index	6465 157 g-index
160 all docs	160 docs citations	160 times ranked	34222 citing authors

#	Article	IF	Citations
1	How autophagy controls the intestinal epithelial barrier. Autophagy, 2022, 18, 86-103.	4.3	125
2	Defects in NLRP6, autophagy and goblet cell homeostasis are associated with reduced duodenal CRH receptor 2 expression in patients with functional dyspepsia. Brain, Behavior, and Immunity, 2022, 101, 335-345.	2.0	12
3	NLRP1B and NLRP3 Control the Host Response following Colonization with the Commensal Protist <i>Tritrichomonas musculis</i>. Journal of Immunology, 2022, 208, 1782-1789.	0.4	13
4	Sending signals â€“ The microbiotaâ€™s contribution to intestinal epithelial homeostasis. Microbes and Infection, 2021, 23, 104774.	1.0	5
5	The eIF2Î± kinase HRI in innate immunity, proteostasis, and mitochondrial stress. FEBS Journal, 2021, 288, 3094-3107.	2.2	30
6	Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. Cell Reports, 2021, 34, 108677.	2.9	44
7	The intestinal microbiota: from health to disease, and back. Microbes and Infection, 2021, 23, 104849.	1.0	14
8	The eIF2Î± kinase HRI triggers the autophagic clearance of cytosolic protein aggregates. Journal of Biological Chemistry, 2021, 296, 100050.	1.6	21
9	Tissue-selective alternate promoters guide NLRP6 expression. Life Science Alliance, 2021, 4, e202000897.	1.3	1
10	An optimized procedure for quantitative analysis of mitophagy with the mtKeima system using flow cytometry. BioTechniques, 2020, 69, 249-256.	0.8	4
11	NLRX1 Deletion Increases Ischemia-Reperfusion Damage and Activates Glucose Metabolism in Mouse Heart. Frontiers in Immunology, 2020, 11, 591815.	2.2	16
12	Recognition of Lipoproteins by Toll-like Receptor 2 and DNA by the AIM2 Inflammasome Is Responsible for Production of Interleukin-1Î² by Virulent Suilysin-Negative Streptococcus suis Serotype 2. Pathogens, 2020, 9, 147.	1.2	10
13	NOD2 modulates immune tolerance via the GM-CSFâ€“dependent generation of CD103⁺dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10946-10957.	3.3	15
14	Mitophagy pathways in health and disease. Journal of Cell Biology, 2020, 219, .	2.3	121
15	Interleukin-1 signaling induced by Streptococcus suis serotype 2 is strain-dependent and contributes to bacterial clearance and inflammation during systemic disease in a mouse model of infection. Veterinary Research, 2019, 50, 52.	1.1	26
16	Canonical and noncanonical inflammasomes in intestinal epithelial cells. Cellular Microbiology, 2019, 21, e13079.	1.1	39
17	The heme-regulated inhibitor is a cytosolic sensor of protein misfolding that controls innate immune signaling. Science, 2019, 365, .	6.0	81
18	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. Science, 2019, 366, 460-467.	6.0	109

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19	Carving a Niche for Antibacterial Î±-Defensins when Craving. Cell Host and Microbe, 2019, 25, 632-634.	5.1	0
20	The <i>Campylobacter jejuni</i> helical to coccoid transition involves changes to peptidoglycan and the ability to elicit an immune response. Molecular Microbiology, 2019, 112, 280-301.	1.2	27
21	Comparison of Co-housing and Littermate Methods for Microbiota Standardization in Mouse Models. Cell Reports, 2019, 27, 1910-1919.e2.	2.9	134
22	Trace levels of peptidoglycan in serum underlie the NOD-dependent cytokine response to endoplasmic reticulum stress. Journal of Biological Chemistry, 2019, 294, 9007-9015.	1.6	37
23	Isoginkgetin, a Natural Biflavonoid Proteasome Inhibitor, Sensitizes Cancer Cells to Apoptosis via Disruption of Lysosomal Homeostasis and Impaired Protein Clearance. Molecular and Cellular Biology, 2019, 39, .	1.1	29
24	NLRX1 does not play a role in diabetes nor the development of diabetic nephropathy induced by multiple low doses of streptozotocin. PLoS ONE, 2019, 14, e0214437.	1.1	6
25	NLRC5 deficiency has a moderate impact on immunodominant <scp>CD</scp>8⁺ Tâ€cell responses during rotavirus infection of adult mice. Immunology and Cell Biology, 2019, 97, 552-562.	1.0	10
26	Listeria hijacks host mitophagy through a novel mitophagy receptor to evade killing. Nature Immunology, 2019, 20, 433-446.	7.0	166
27	The mitochondrial Nod-like receptor NLRX1 modifies apoptosis through SARM1. Molecular and Cellular Biochemistry, 2019, 453, 187-196.	1.4	33
28	NOD1 and NOD2 in inflammation, immunity and disease. Archives of Biochemistry and Biophysics, 2019, 670, 69-81.	1.4	140
29	Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1883-1895.	1.8	30
30	Male Mice Lacking NLRX1 Are Partially Protected From High-Fat Dietâ€"Induced Hyperglycemia. Journal of the Endocrine Society, 2018, 2, 336-347.	0.1	13
31	ER-stress mobilization of death-associated protein kinase-1â€"dependent xenophagy counteracts mitochondria stressâ€"induced epithelial barrier dysfunction. Journal of Biological Chemistry, 2018, 293, 3073-3087.	1.6	35
32	The Impact of the Gut Microbiome on Colorectal Cancer. Annual Review of Cancer Biology, 2018, 2, 229-249.	2.3	21
33	Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. Cell Reports, 2018, 25, 1525-1536.e7.	2.9	117
34	Innate Immune Influences on the Gut Microbiome: Lessons from Mouse Models. Trends in Immunology, 2018, 39, 992-1004.	2.9	25
35	No difference in renal injury and fibrosis between wild-type and NOD1/NOD2 double knockout mice with chronic kidney disease induced by ureteral obstruction. BMC Nephrology, 2018, 19, 78.	0.8	7
36	Complement C3 Drives Autophagy-Dependent Restriction of Cyto-invasive Bacteria. Cell Host and Microbe, 2018, 23, 644-652.e5.	5.1	86

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37	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. Cell Reports, 2017, 18, 2415-2426.	2.9	70
38	NLRX1 dampens oxidative stress and apoptosis in tissue injury via control of mitochondrial activity. Journal of Experimental Medicine, 2017, 214, 2405-2420.	4.2	90
39	Innate Recognition of Intracellular Bacterial Growth Is Driven by the TIFA-Dependent Cytosolic Surveillance Pathway. Cell Reports, 2017, 19, 1418-1430.	2.9	52
40	Listeria monocytogenes and Shigella flexneri Activate the NLRP1B Inflammasome. Infection and Immunity, 2017, 85, .	1.0	41
41	The NLR Protein NLRP6 Does Not Impact Gut Microbiota Composition. Cell Reports, 2017, 21, 3653-3661.	2.9	79
42	Cellular Aspects of Shigella Pathogenesis: Focus on the Manipulation of Host Cell Processes. Frontiers in Cellular and Infection Microbiology, 2016, 6, 38.	1.8	76
43	NLRX1 Acts as an Epithelial-Intrinsic Tumor Suppressor through the Modulation of TNF-Mediated Proliferation. Cell Reports, 2016, 14, 2576-2586.	2.9	51
44	The common mouse protozoa<i>Tritrichomonas muris</i>alters mucosal T cell homeostasis and colitis susceptibility. Journal of Experimental Medicine, 2016, 213, 2841-2850.	4.2	71
45	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
46	Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to Helicobacter pylori Infection. PLoS ONE, 2015, 10, e0137839.	1.1	32
47	Modeling-Enabled Characterization of Novel NLRX1 Ligands. PLoS ONE, 2015, 10, e0145420.	1.1	25
48	Intracellular Bacterial Pathogens Trigger the Formation of U Small Nuclear RNA Bodies (U Bodies) through Metabolic Stress Induction. Journal of Biological Chemistry, 2015, 290, 20904-20918.	1.6	32
49	An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. Nature Nanotechnology, 2015, 10, 361-369.	15.6	73
50	Regulation of Obesity-Related Insulin Resistance with Gut Anti-inflammatory Agents. Cell Metabolism, 2015, 21, 527-542.	7.2	283
51	Emerging themes in bacterial autophagy. Current Opinion in Microbiology, 2015, 23, 163-170.	2.3	63
52	The Mitochondrial Protein NLRX1 Controls the Balance between Extrinsic and Intrinsic Apoptosis. Journal of Biological Chemistry, 2014, 289, 19317-19330.	1.6	63
53	Peptidoglycan ld-Carboxypeptidase Pgp2 Influences Campylobacter jejuni Helical Cell Shape and Pathogenic Properties and Provides the Substrate for the dl-Carboxypeptidase Pgp1. Journal of Biological Chemistry, 2014, 289, 8007-8018.	1.6	69
54	The Multifaceted Role of the Intestinal Microbiota in Colon Cancer. Molecular Cell, 2014, 54, 309-320.	4.5	284

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55	The emerging role of mTOR signalling in antibacterial immunity. Immunology and Cell Biology, 2014, 92, 346-353.	1.0	31
56	NOD proteins: regulators of inflammation in health and disease. Nature Reviews Immunology, 2014, 14, 9-23.	10.6	525
57	Gut Microbial Metabolism Drives Transformation of Msh2-Deficient Colon Epithelial Cells. Cell, 2014, 158, 288-299.	13.5	375
58	WIPI2 Links LC3 Conjugation with PI3P, Autophagosome Formation, and Pathogen Clearance by Recruiting Atg12â€"5-16L1. Molecular Cell, 2014, 55, 238-252.	4.5	650
59	NLRX1 prevents mitochondrial induced apoptosis and enhances macrophage antiviral immunity by interacting with influenza virus PB1-F2 protein. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2110-9.	3.3	95
60	Stalling autophagy: a new function for Listeria phospholipases. Microbial Cell, 2014, 1, 48-50.	1.4	5
61	Nutrient sensing and metabolic stress pathways in innate immunity. Cellular Microbiology, 2013, 15, n/a-n/a.	1.1	47
62	Cyclicâ€diâ€GMP and cyclicâ€diâ€AMP activate the NLRP3 inflammasome. EMBO Reports, 2013, 14, 900-906.	2.0	75
63	Nod1 and Nod2 Enhance TLR-Mediated Invariant NKT Cell Activation during Bacterial Infection. Journal of Immunology, 2013, 191, 5646-5654.	0.4	37
64	Identification of a synthetic muramyl peptide derivative with enhanced Nod2 stimulatory capacity. Innate Immunity, 2013, 19, 493-503.	1.1	34
65	The Protein ATG16L1 Suppresses Inflammatory Cytokines Induced by the Intracellular Sensors Nod1 and Nod2 in an Autophagy-Independent Manner. Immunity, 2013, 39, 858-873.	6.6	162
66	Penicillin Resistance Compromises Nod1-Dependent Proinflammatory Activity and Virulence Fitness of Neisseria meningitidis. Cell Host and Microbe, 2013, 13, 735-745.	5.1	23
67	Translation inhibition and metabolic stress pathways in the host response to bacterial pathogens. Nature Reviews Microbiology, 2013, 11, 365-369.	13.6	59
68	NLRX1 does not inhibit MAVS-dependent antiviral signalling. Innate Immunity, 2013, 19, 438-448.	1.1	73
69	<i>Listeria</i>phospholipases subvert host autophagic defenses by stalling pre-autophagosomal structures. EMBO Journal, 2013, 32, 3066-3078.	3.5	123
70	Cyclosporine A Impairs Nucleotide Binding Oligomerization Domain (Nod1)-Mediated Innate Antibacterial Renal Defenses in Mice and Human Transplant Recipients. PLoS Pathogens, 2013, 9, e1003152.	2.1	45
71	Nod-like receptors in intestinal host defense. Current Opinion in Gastroenterology, 2013, 29, 15-22.	1.0	25
72	Constitutive induction of intestinal <scp>T</scp>c17 cells in the absence of hematopoietic cellâ€specific <scp>MHC</scp> class II expression. European Journal of Immunology, 2013, 43, 2896-2906.	1.6	7

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73	Hypothesis-free analysis of ATG16L1 demonstrates gene-wide extent of association with Crohn's disease susceptibility: Table 1. Gut, 2013, 62, 331-333.	6.1	8
74	Nod1 and Nod2 signaling does not alter the composition of intestinal bacterial communities at homeostasis. Gut Microbes, 2013, 4, 222-231.	4.3	125
75	T Cell Intrinsic NOD2 Is Dispensable for CD8 T Cell Immunity. PLoS ONE, 2013, 8, e56014.	1.1	11
76	Peptidoglycan-Modifying Enzyme Pgp1 Is Required for Helical Cell Shape and Pathogenicity Traits in Campylobacter jejuni. PLoS Pathogens, 2012, 8, e1002602.	2.1	92
77	Role of Mouse Peptidoglycan Recognition Protein PGLYRP2 in the Innate Immune Response to Salmonella enterica Serovar Typhimurium Infection <i>In Vivo</i>. Infection and Immunity, 2012, 80, 2645-2654.	1.0	28
78	The bacterial and cellular determinants controlling the recruitment of mTOR to the <i>Salmonella</i>-containing vacuole. Biology Open, 2012, 1, 1215-1225.	0.6	60
79	Phenotyping of Nod1/2 double deficient mice and characterization of Nod1/2 in systemic inflammation and associated renal disease. Biology Open, 2012, 1, 1239-1247.	0.6	13
80	Post-transcriptional Inhibition of Luciferase Reporter Assays by the Nod-like Receptor Proteins NLRX1 and NLRC3. Journal of Biological Chemistry, 2012, 287, 28705-28716.	1.6	29
81	Bacterial autophagy. Autophagy, 2012, 8, 1848-1850.	4.3	36
82	Amino Acid Starvation Induced by Invasive Bacterial Pathogens Triggers an Innate Host Defense Program. Cell Host and Microbe, 2012, 11, 563-575.	5.1	331
83	Nod-like receptors in the control of intestinal inflammation. Current Opinion in Immunology, 2012, 24, 398-404.	2.4	79
84	Downregulation of the Na/K-ATPase Pump by Leptospiral Glycolipoprotein Activates the NLRP3 Inflammasome. Journal of Immunology, 2012, 188, 2805-2814.	0.4	72
85	Synthesis and Biological Evaluation of Biotinyl Hydrazone Derivatives of Muramyl Peptides. Chemical Biology and Drug Design, 2012, 79, 2-8.	1.5	19
86	Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. Gut, 2011, 60, 1229-1235.	6.1	172
87	Identification of an innate T helper type 17 response to intestinal bacterial pathogens. Nature Medicine, 2011, 17, 837-844.	15.2	216
88	Mitochondrial ROS fuel the inflammasome. Cell Research, 2011, 21, 558-560.	5.7	212
89	Mitochondria in innate immunity. EMBO Reports, 2011, 12, 901-910.	2.0	222
90	Parkinsonâ€™s disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures. Journal of Neural Transmission, 2011, 118, 795-808.	1.4	230

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91	Essential role of Rip2 in the modulation of innate and adaptive immunity triggered by Nod1 and Nod2 ligands. European Journal of Immunology, 2011, 41, 1445-1455.	1.6	100
92	What is new with Nods?. Current Opinion in Immunology, 2011, 23, 29-34.	2.4	76
93	Enterohaemorrhagic, but not enteropathogenic, Escherichia coli infection of epithelial cells disrupts signalling responses to tumour necrosis factor-alpha. Microbiology (United Kingdom), 2011, 157, 2963-2973.	0.7	7
94	Nucleotide oligomerization domain-containing proteins instruct T cell helper type 2 immunity through stromal activation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14896-14901.	3.3	78
95	Nod-like receptors in intestinal homeostasis, inflammation, and cancer. Journal of Leukocyte Biology, 2011, 90, 471-482.	1.5	49
96	Oncolytic targeting of renal cell carcinoma <i>via</i> encephalomyocarditis virus. EMBO Molecular Medicine, 2010, 2, 275-288.	3.3	23
97	Nod-like receptors: sentinels at host membranes. Current Opinion in Immunology, 2010, 22, 428-434.	2.4	75
98	Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. Nature Immunology, 2010, 11, 55-62.	7.0	1,125
99	Gut microbes extend reach to systemic innate immunity. Nature Medicine, 2010, 16, 160-161.	15.2	15
100	Bacterial membrane vesicles deliver peptidoglycan to NOD1 in epithelial cells. Cellular Microbiology, 2010, 12, 372-385.	1.1	382
101	Enhancement of Reactive Oxygen Species Production and Chlamydial Infection by the Mitochondrial Nod-like Family Member NLRX1. Journal of Biological Chemistry, 2010, 285, 41637-41645.	1.6	124
102	NLRC5 Limits the Activation of Inflammatory Pathways. Journal of Immunology, 2010, 185, 1681-1691.	0.4	209
103	Nod proteins link bacterial sensing and autophagy. Autophagy, 2010, 6, 409-411.	4.3	53
104	Mammalian PGRPs Also Mind the Fort. Cell Host and Microbe, 2010, 8, 130-132.	5.1	0
105	Nod1 and Nod2 Regulation of Inflammation in the <i>Salmonella</i> Colitis Model. Infection and Immunity, 2010, 78, 5107-5115.	1.0	109
106	Role of Nod1 in Mucosal Dendritic Cells during Salmonella Pathogenicity Island 1-Independent Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2009, 77, 4480-4486.	1.0	46
107	An N-terminal addressing sequence targets NLRX1 to the mitochondrial matrix. Journal of Cell Science, 2009, 122, 3161-3168.	1.2	167
108	pH-dependent Internalization of Muramyl Peptides from Early Endosomes Enables Nod1 and Nod2 Signaling. Journal of Biological Chemistry, 2009, 284, 23818-23829.	1.6	192

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109	Knocking In the NLRP3 Inflammasome. Immunity, 2009, 30, 761-763.	6.6	6
110	Crohn's disease-associated Nod2 mutants reduce IL10 transcription. Nature Immunology, 2009, 10, 455-457.	7.0	31
111	Unleashing the therapeutic potential of NOD-like receptors. Nature Reviews Drug Discovery, 2009, 8, 465-479.	21.5	184
112	Shigella Induces Mitochondrial Dysfunction and Cell Death in Nonmyleoid Cells. Cell Host and Microbe, 2009, 5, 123-136.	5.1	140
113	The role of mitochondria in cellular defense against microbial infection. Seminars in Immunology, 2009, 21, 223-232.	2.7	93
114	Engagement of NOD2 has a dual effect on proILâ€1Î² mRNA transcription and secretion of bioactive ILâ€1Î². European Journal of Immunology, 2008, 38, 184-191.	1.6	69
115	Intracellular bacteriolysis triggers a massive apoptotic cell death in Shigella-infected epithelial cells. Microbes and Infection, 2008, 10, 1114-1123.	1.0	8
116	NOD2: a potential target for regulating liver injury. Laboratory Investigation, 2008, 88, 318-327.	1.7	41
117	NLRX1 is a mitochondrial NODâ€like receptor that amplifies NFâ€ÎºB and JNK pathways by inducing reactive oxygen species production. EMBO Reports, 2008, 9, 293-300.	2.0	282
118	The NLR Gene Family: A Standard Nomenclature. Immunity, 2008, 28, 285-287.	6.6	761
119	The microbial and danger signals that activate Nod-like receptors. Cytokine, 2008, 43, 368-373.	1.4	128
120	Nod2-Dependent Th2 Polarization of Antigen-Specific Immunity. Journal of Immunology, 2008, 181, 7925-7935.	0.4	166
121	Nucleotide Oligomerization Domains 1 and 2: Regulation of Expression and Function in Preadipocytes. Journal of Immunology, 2008, 181, 3620-3627.	0.4	47
122	Differential function of the NACHT-LRR (NLR) members Nod1 and Nod2 in arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9017-9022.	3.3	54
123	The intestinal epithelial barrier: How to distinguish between the microbial flora and pathogens. Seminars in Immunology, 2007, 19, 106-115.	2.7	153
124	Nod1-Mediated Innate Immune Recognition of Peptidoglycan Contributes to the Onset of Adaptive Immunity. Immunity, 2007, 26, 445-459.	6.6	281
125	A critical role for peptidoglycan N-deacetylation inListeriaevasion from the host innate immune system. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 997-1002.	3.3	329
126	Nodâ€like receptors in innate immunity and inflammatory diseases. Annals of Medicine, 2007, 39, 581-593.	1.5	58

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127	<i>Mycobacterium paratuberculosis</i>is recognized by Toll-like receptors and NOD2. Journal of Leukocyte Biology, 2007, 82, 1011-1018.	1.5	133
128	Nod1 and Nod2 induce CCL5/RANTES through the NFâ€ºB pathway. European Journal of Immunology, 2007, 37, 2499-2508.	1.6	75
129	Caspase-1 Activation of Lipid Metabolic Pathways in Response to Bacterial Pore-Forming Toxins Promotes Cell Survival. Cell, 2006, 126, 1135-1145.	13.5	461
130	PGRP-LB Minds the Fort. Immunity, 2006, 24, 363-366.	6.6	9
131	Nod-like proteins in immunity, inflammation and disease. Nature Immunology, 2006, 7, 1250-1257.	7.0	794
132	To the Editor. European Journal of Immunology, 2006, 36, 2817-2818.	1.6	2
133	Role of AmiA in the Morphological Transition of Helicobacter pylori and in Immune Escape. PLoS Pathogens, 2006, 2, e97.	2.1	102
134	Anti-Inflammatory Effect of <i>Lactobacillus casei</i> on <i>Shigella</i>-Infected Human Intestinal Epithelial Cells. Journal of Immunology, 2006, 176, 1228-1237.	0.4	303
135	Triggering receptor expressed on myeloid cells-1 (TREM-1) amplifies the signals induced by the NACHT-LRR (NLR) pattern recognition receptors. Journal of Leukocyte Biology, 2006, 80, 1454-1461.	1.5	112
136	Nucleotide Oligomerization Domain 2 (Nod2) Is Not Involved in the Pattern Recognition of Candida albicans. Vaccine Journal, 2006, 13, 423-425.	3.2	34
137	hPepT1 selectively transports muramyl dipeptide but not Nod1-activating muramyl peptides. Canadian Journal of Physiology and Pharmacology, 2006, 84, 1313-1319.	0.7	78
138	Murine Nod1 but not its human orthologue mediates innate immune detection of tracheal cytotoxin. EMBO Reports, 2005, 6, 1201-1207.	2.0	147
139	Nucleotide-Binding Oligomerization Domain-2 Modulates Specific TLR Pathways for the Induction of Cytokine Release. Journal of Immunology, 2005, 174, 6518-6523.	0.4	248
140	IL-32 synergizes with nucleotide oligomerization domain (NOD) 1 and NOD2 ligands for IL-1Â and IL-6 production through a caspase 1-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16309-16314.	3.3	277
141	The Frameshift Mutation in Nod2 Results in Unresponsiveness Not Only to Nod2- but Also Nod1-activating Peptidoglycan Agonists. Journal of Biological Chemistry, 2005, 280, 35859-35867.	1.6	73
142	Identification of the Critical Residues Involved in Peptidoglycan Detection by Nod1. Journal of Biological Chemistry, 2005, 280, 38648-38656.	1.6	106
143	Nod1 Participates in the Innate Immune Response to Pseudomonas aeruginosa. Journal of Biological Chemistry, 2005, 280, 36714-36718.	1.6	139
144	Synergistic stimulation of human monocytes and dendritic cells by Toll-like receptor 4 and NOD1- and NOD2-activating agonists. European Journal of Immunology, 2005, 35, 2459-2470.	1.6	312

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145	Nod1 responds to peptidoglycan delivered by the Helicobacter pylori cag pathogenicity island. Nature Immunology, 2004, 5, 1166-1174.	7.0	1,091
146	Tollâ€like receptor 2â€dependent bacterial sensing does not occur via peptidoglycan recognition. EMBO Reports, 2004, 5, 1000-1006.	2.0	435
147	Mini-review: The role of peptidoglycan recognition in innate immunity. European Journal of Immunology, 2004, 34, 1777-1782.	1.6	119
148	The role of Toll-like receptors and Nod proteins in bacterial infection. Molecular Immunology, 2004, 41, 1099-1108.	1.0	236
149	Nods, Nalps and Naip: intracellular regulators of bacterial-induced inflammation. Cellular Microbiology, 2003, 5, 581-592.	1.1	309
150	Sensing microbes by diverse hosts. EMBO Reports, 2003, 4, 932-936.	2.0	18
151	Nod1 Detects a Unique Muropeptide from Gram-Negative Bacterial Peptidoglycan. Science, 2003, 300, 1584-1587.	6.0	1,388
152	Peptidoglycan Molecular Requirements Allowing Detection by Nod1 and Nod2. Journal of Biological Chemistry, 2003, 278, 41702-41708.	1.6	578
153	Gene-environment interaction modulated by allelic heterogeneity in inflammatory diseases. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3455-3460.	3.3	288
154	Nod2 Is a General Sensor of Peptidoglycan through Muramyl Dipeptide (MDP) Detection. Journal of Biological Chemistry, 2003, 278, 8869-8872.	1.6	2,026
155	Intracellular vs extracellular recognition of pathogens â€" common concepts in mammals and flies. Trends in Microbiology, 2002, 10, 193-199.	3.5	203
156	CARD4/Nod1 mediates NFâ€ÎºB and JNK activation by invasive Shigella flexneri. EMBO Reports, 2001, 2, 736-742.	2.0	569
157	Innate immune responses of epithelial cells following infection with bacterial pathogens. Current Opinion in Immunology, 2001, 13, 410-416.	2.4	135
158	The LIM homeobox protein mLIM3/Lhx3 induces expression of the prolactin gene by a Pit-1/GHF-1-independent pathway in corticotroph AtT20 cells. FEBS Letters, 1998, 431, 333-338.	1.3	15