

# Stephen E Girardin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155  
papers

23,437  
citations

67  
h-index

153  
g-index

160  
ext. papers

26,415  
ext. citations

11.2  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
155	Defects in NLRP6, autophagy and goblet cell homeostasis are associated with reduced duodenal CRH receptor 2 expression in patients with functional dyspepsia.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> ,	16.6	3
154	Tissue-selective alternate promoters guide NLRP6 expression. <i>Life Science Alliance</i> , <b>2021</b> , 4,	5.8	1
153	Sending signals - The microbiota's contribution to intestinal epithelial homeostasis. <i>Microbes and Infection</i> , <b>2021</b> , 23, 104774	9.3	2
152	How autophagy controls the intestinal epithelial barrier. <i>Autophagy</i> , <b>2021</b> , 1-18	10.2	10
151	The eIF2 $\alpha$ kinase HRI in innate immunity, proteostasis, and mitochondrial stress. <i>FEBS Journal</i> , <b>2021</b> , 288, 3094-3107	5.7	15
150	Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. <i>Cell Reports</i> , <b>2021</b> , 34, 108677	10.6	18
149	The eIF2 $\alpha$ kinase HRI triggers the autophagic clearance of cytosolic protein aggregates. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100050	5.4	9
148	Recognition of Lipoproteins by Toll-like Receptor 2 and DNA by the AIM2 Inflammasome Is Responsible for Production of Interleukin-1 $\beta$ by Virulent Suiylisin-negative Serotype 2. <i>Pathogens</i> , <b>2020</b> , 9,	4.5	3
147	NOD2 modulates immune tolerance via the GM-CSF-dependent generation of CD103 dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 10946-10957	11.5	7
146	Mitophagy pathways in health and disease. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	44
145	An optimized procedure for quantitative analysis of mitophagy with the mtKeima system using flow cytometry. <i>BioTechniques</i> , <b>2020</b> , 69, 249-256	2.5	0
144	NLRX1 Deletion Increases Ischemia-Reperfusion Damage and Activates Glucose Metabolism in Mouse Heart. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 591815	8.4	5
143	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. <i>Science</i> , <b>2019</b> , 366, 460-467	33.3	45
142	Carving a Niche for Antibacterial $\beta$ -Defensins when Craving. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 632-634	23.4	
141	The <i>Campylobacter jejuni</i> helical to coccoid transition involves changes to peptidoglycan and the ability to elicit an immune response. <i>Molecular Microbiology</i> , <b>2019</b> , 112, 280-301	4.1	17
140	Comparison of Co-housing and Littermate Methods for Microbiota Standardization in Mouse Models. <i>Cell Reports</i> , <b>2019</b> , 27, 1910-1919.e2	10.6	80
139	Trace levels of peptidoglycan in serum underlie the NOD-dependent cytokine response to endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 9007-9015	5.4	22

138	Isoginkgetin, a Natural Biflavonoid Proteasome Inhibitor, Sensitizes Cancer Cells to Apoptosis via Disruption of Lysosomal Homeostasis and Impaired Protein Clearance. <i>Molecular and Cellular Biology</i> , <b>2019</b> , 39,	4.8	12
137	NLRX1 does not play a role in diabetes nor the development of diabetic nephropathy induced by multiple low doses of streptozotocin. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214437	3.7	5
136	NLRC5 deficiency has a moderate impact on immunodominant CD8 T-cell responses during rotavirus infection of adult mice. <i>Immunology and Cell Biology</i> , <b>2019</b> , 97, 552-562	5	6
135	Listeria hijacks host mitophagy through a novel mitophagy receptor to evade killing. <i>Nature Immunology</i> , <b>2019</b> , 20, 433-446	19.1	93
134	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. <i>Veterinary Research</i> , <b>2019</b> , 50, 52	3.8	12
133	Canonical and noncanonical inflammasomes in intestinal epithelial cells. <i>Cellular Microbiology</i> , <b>2019</b> , 21, e13079	3.9	22
132	The heme-regulated inhibitor is a cytosolic sensor of protein misfolding that controls innate immune signaling. <i>Science</i> , <b>2019</b> , 365,	33.3	48
131	The mitochondrial Nod-like receptor NLRX1 modifies apoptosis through SARM1. <i>Molecular and Cellular Biochemistry</i> , <b>2019</b> , 453, 187-196	4.2	16
130	NOD1 and NOD2 in inflammation, immunity and disease. <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 670, 69-81	4.1	65
129	Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 1883-1895	6.9	14
128	Male Mice Lacking NLRX1 Are Partially Protected From High-Fat Diet-Induced Hyperglycemia. <i>Journal of the Endocrine Society</i> , <b>2018</b> , 2, 336-347	0.4	9
127	ER-stress mobilization of death-associated protein kinase-1-dependent xenophagy counteracts mitochondria stress-induced epithelial barrier dysfunction. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 3073-3087	5.4	19
126	No difference in renal injury and fibrosis between wild-type and NOD1/NOD2 double knockout mice with chronic kidney disease induced by ureteral obstruction. <i>BMC Nephrology</i> , <b>2018</b> , 19, 78	2.7	6
125	Complement C3 Drives Autophagy-Dependent Restriction of Cyto-invasive Bacteria. <i>Cell Host and Microbe</i> , <b>2018</b> , 23, 644-652.e5	23.4	52
124	The Impact of the Gut Microbiome on Colorectal Cancer. <i>Annual Review of Cancer Biology</i> , <b>2018</b> , 2, 229-249	13.3	17
123	Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. <i>Cell Reports</i> , <b>2018</b> , 25, 1525-1536.e7	10.6	69
122	Innate Immune Influences on the Gut Microbiome: Lessons from Mouse Models. <i>Trends in Immunology</i> , <b>2018</b> , 39, 992-1004	14.4	22
121	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. <i>Cell Reports</i> , <b>2017</b> , 18, 2415-2426	10.6	46

120	NLRX1 dampens oxidative stress and apoptosis in tissue injury via control of mitochondrial activity. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 2405-2420	16.6	58
119	Innate Recognition of Intracellular Bacterial Growth Is Driven by the TIFA-Dependent Cytosolic Surveillance Pathway. <i>Cell Reports</i> , <b>2017</b> , 19, 1418-1430	10.6	36
118	Listeria monocytogenes and Shigella flexneri Activate the NLRP1B Inflammasome. <i>Infection and Immunity</i> , <b>2017</b> , 85,	3.7	26
117	The NLR Protein NLRP6 Does Not Impact Gut Microbiota Composition. <i>Cell Reports</i> , <b>2017</b> , 21, 3653-3661	10.6	58
116	The common mouse protozoa <i>Tritrichomonas muris</i> alters mucosal T cell homeostasis and colitis susceptibility. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2841-2850	16.6	46
115	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
114	Cellular Aspects of Shigella Pathogenesis: Focus on the Manipulation of Host Cell Processes. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2016</b> , 6, 38	5.9	52
113	NLRX1 Acts as an Epithelial-Intrinsic Tumor Suppressor through the Modulation of TNF-Mediated Proliferation. <i>Cell Reports</i> , <b>2016</b> , 14, 2576-86	10.6	31
112	An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 361-9	28.7	62
111	Regulation of obesity-related insulin resistance with gut anti-inflammatory agents. <i>Cell Metabolism</i> , <b>2015</b> , 21, 527-42	24.6	197
110	Emerging themes in bacterial autophagy. <i>Current Opinion in Microbiology</i> , <b>2015</b> , 23, 163-70	7.9	56
109	Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to Helicobacter pylori Infection. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137839	3.7	25
108	Modeling-Enabled Characterization of Novel NLRX1 Ligands. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145420	3.7	16
107	Intracellular Bacterial Pathogens Trigger the Formation of U Small Nuclear RNA Bodies (U Bodies) through Metabolic Stress Induction. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 20904-20918	5.4	20
106	The multifaceted role of the intestinal microbiota in colon cancer. <i>Molecular Cell</i> , <b>2014</b> , 54, 309-20	17.6	215
105	The emerging role of mTOR signalling in antibacterial immunity. <i>Immunology and Cell Biology</i> , <b>2014</b> , 92, 346-53	5	22
104	NOD proteins: regulators of inflammation in health and disease. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 9-23	36.5	408
103	Gut microbial metabolism drives transformation of MSH2-deficient colon epithelial cells. <i>Cell</i> , <b>2014</b> , 158, 288-299	56.2	283

102	WIPI2 links LC3 conjugation with PI3P, autophagosome formation, and pathogen clearance by recruiting Atg12-5-16L1. <i>Molecular Cell</i> , <b>2014</b> , 55, 238-52	17.6	477
101	NLRX1 prevents mitochondrial induced apoptosis and enhances macrophage antiviral immunity by interacting with influenza virus PB1-F2 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2110-9	11.5	70
100	The mitochondrial protein NLRX1 controls the balance between extrinsic and intrinsic apoptosis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 19317-30	5.4	48
99	Peptidoglycan LD-carboxypeptidase Pgp2 influences <i>Campylobacter jejuni</i> helical cell shape and pathogenic properties and provides the substrate for the DL-carboxypeptidase Pgp1. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8007-18	5.4	58
98	Stalling autophagy: a new function for phospholipases. <i>Microbial Cell</i> , <b>2014</b> , 1, 48-50	3.9	4
97	Nutrient sensing and metabolic stress pathways in innate immunity. <i>Cellular Microbiology</i> , <b>2013</b> , 15, 1632-41	3.9	38
96	Cyclic-di-GMP and cyclic-di-AMP activate the NLRP3 inflammasome. <i>EMBO Reports</i> , <b>2013</b> , 14, 900-6	6.5	55
95	Nod1 and Nod2 enhance TLR-mediated invariant NKT cell activation during bacterial infection. <i>Journal of Immunology</i> , <b>2013</b> , 191, 5646-54	5.3	28
94	Identification of a synthetic muramyl peptide derivative with enhanced Nod2 stimulatory capacity. <i>Innate Immunity</i> , <b>2013</b> , 19, 493-503	2.7	29
93	The protein ATG16L1 suppresses inflammatory cytokines induced by the intracellular sensors Nod1 and Nod2 in an autophagy-independent manner. <i>Immunity</i> , <b>2013</b> , 39, 858-73	32.3	125
92	Penicillin resistance compromises Nod1-dependent proinflammatory activity and virulence fitness of neisseria meningitidis. <i>Cell Host and Microbe</i> , <b>2013</b> , 13, 735-45	23.4	20
91	Translation inhibition and metabolic stress pathways in the host response to bacterial pathogens. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 365-9	22.2	47
90	NLRX1 does not inhibit MAVS-dependent antiviral signalling. <i>Innate Immunity</i> , <b>2013</b> , 19, 438-48	2.7	57
89	Listeria phospholipases subvert host autophagic defenses by stalling pre-autophagosomal structures. <i>EMBO Journal</i> , <b>2013</b> , 32, 3066-78	13	100
88	Cyclosporine A impairs nucleotide binding oligomerization domain (Nod1)-mediated innate antibacterial renal defenses in mice and human transplant recipients. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003152	7.6	38
87	Nod-like receptors in intestinal host defense: controlling pathogens, the microbiota, or both?. <i>Current Opinion in Gastroenterology</i> , <b>2013</b> , 29, 15-22	3	23
86	Constitutive induction of intestinal Tc17 cells in the absence of hematopoietic cell-specific MHC class II expression. <i>European Journal of Immunology</i> , <b>2013</b> , 43, 2896-906	6.1	5
85	Hypothesis-free analysis of ATG16L1 demonstrates gene-wide extent of association with Crohn's disease susceptibility. <i>Gut</i> , <b>2013</b> , 62, 331-3	19.2	8

84	Nod1 and Nod2 signaling does not alter the composition of intestinal bacterial communities at homeostasis. <i>Gut Microbes</i> , <b>2013</b> , 4, 222-31	8.8	108
83	T cell intrinsic NOD2 is dispensable for CD8 T cell immunity. <i>PLoS ONE</i> , <b>2013</b> , 8, e56014	3.7	9
82	Post-transcriptional inhibition of luciferase reporter assays by the Nod-like receptor proteins NLRX1 and NLRC3. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 28705-16	5.4	25
81	Bacterial autophagy: the trigger, the target and the timing. <i>Autophagy</i> , <b>2012</b> , 8, 1848-50	10.2	33
80	Amino acid starvation induced by invasive bacterial pathogens triggers an innate host defense program. <i>Cell Host and Microbe</i> , <b>2012</b> , 11, 563-75	23.4	272
79	Nod-like receptors in the control of intestinal inflammation. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 398-404	7.8	61
78	Downregulation of the Na/K-ATPase pump by leptospiral glycolipoprotein activates the NLRP3 inflammasome. <i>Journal of Immunology</i> , <b>2012</b> , 188, 2805-14	5.3	57
77	Synthesis and biological evaluation of biotinyl hydrazone derivatives of muramyl peptides. <i>Chemical Biology and Drug Design</i> , <b>2012</b> , 79, 2-8	2.9	16
76	Peptidoglycan-modifying enzyme Pgp1 is required for helical cell shape and pathogenicity traits in <i>Campylobacter jejuni</i> . <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002602	7.6	78
75	Role of mouse peptidoglycan recognition protein PGLYRP2 in the innate immune response to <i>Salmonella enterica</i> serovar Typhimurium infection in vivo. <i>Infection and Immunity</i> , <b>2012</b> , 80, 2645-54	3.7	23
74	The bacterial and cellular determinants controlling the recruitment of mTOR to the <i>Salmonella</i> -containing vacuole. <i>Biology Open</i> , <b>2012</b> , 1, 1215-25	2.2	48
73	Phenotyping of Nod1/2 double deficient mice and characterization of Nod1/2 in systemic inflammation and associated renal disease. <i>Biology Open</i> , <b>2012</b> , 1, 1239-47	2.2	13
72	Identification of an innate T helper type 17 response to intestinal bacterial pathogens. <i>Nature Medicine</i> , <b>2011</b> , 17, 837-44	50.5	200
71	Mitochondrial ROS fuel the inflammasome. <i>Cell Research</i> , <b>2011</b> , 21, 558-60	24.7	165
70	Mitochondria in innate immunity. <i>EMBO Reports</i> , <b>2011</b> , 12, 901-10	6.5	183
69	Parkinson's disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures. <i>Journal of Neural Transmission</i> , <b>2011</b> , 118, 795-808	4.3	186
68	Essential role of Rip2 in the modulation of innate and adaptive immunity triggered by Nod1 and Nod2 ligands. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 1445-55	6.1	83
67	Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. <i>Gut</i> , <b>2011</b> , 60, 1229-35	19.2	146

66	What is new with Nods?. <i>Current Opinion in Immunology</i> , <b>2011</b> , 23, 29-34	7.8	67
65	Enterohaemorrhagic, but not enteropathogenic, <i>Escherichia coli</i> infection of epithelial cells disrupts signalling responses to tumour necrosis factor-alpha. <i>Microbiology (United Kingdom)</i> , <b>2011</b> , 157, 2963-2973	2.9	7
64	Nucleotide oligomerization domain-containing proteins instruct T cell helper type 2 immunity through stromal activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 14896-901	11.5	67
63	Nod-like receptors in intestinal homeostasis, inflammation, and cancer. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 90, 471-82	6.5	44
62	Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. <i>Nature Immunology</i> , <b>2010</b> , 11, 55-62	19.1	968
61	Bacterial membrane vesicles deliver peptidoglycan to NOD1 in epithelial cells. <i>Cellular Microbiology</i> , <b>2010</b> , 12, 372-85	3.9	287
60	Enhancement of reactive oxygen species production and chlamydial infection by the mitochondrial Nod-like family member NLRX1. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 41637-45	5.4	108
59	NLRC5 limits the activation of inflammatory pathways. <i>Journal of Immunology</i> , <b>2010</b> , 185, 1681-91	5.3	168
58	Nod proteins link bacterial sensing and autophagy. <i>Autophagy</i> , <b>2010</b> , 6, 409-11	10.2	48
57	Mammalian PGRPs also mind the fort. <i>Cell Host and Microbe</i> , <b>2010</b> , 8, 130-2	23.4	
56	Nod1 and Nod2 regulation of inflammation in the <i>Salmonella colitis</i> model. <i>Infection and Immunity</i> , <b>2010</b> , 78, 5107-15	3.7	98
55	Oncolytic targeting of renal cell carcinoma via encephalomyocarditis virus. <i>EMBO Molecular Medicine</i> , <b>2010</b> , 2, 275-88	12	19
54	Nod-like receptors: sentinels at host membranes. <i>Current Opinion in Immunology</i> , <b>2010</b> , 22, 428-34	7.8	64
53	Role of Nod1 in mucosal dendritic cells during <i>Salmonella</i> pathogenicity island 1-independent <i>Salmonella enterica</i> serovar Typhimurium infection. <i>Infection and Immunity</i> , <b>2009</b> , 77, 4480-6	3.7	44
52	An N-terminal addressing sequence targets NLRX1 to the mitochondrial matrix. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 3161-8	5.3	136
51	pH-dependent internalization of muramyl peptides from early endosomes enables Nod1 and Nod2 signaling. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 23818-29	5.4	148
50	Knocking in the NLRP3 inflammasome. <i>Immunity</i> , <b>2009</b> , 30, 761-3	32.3	6
49	Unleashing the therapeutic potential of NOD-like receptors. <i>Nature Reviews Drug Discovery</i> , <b>2009</b> , 8, 465-79	64.1	146

48	Shigella induces mitochondrial dysfunction and cell death in nonmyleoid cells. <i>Cell Host and Microbe</i> , <b>2009</b> , 5, 123-36	23.4	123
47	The role of mitochondria in cellular defense against microbial infection. <i>Seminars in Immunology</i> , <b>2009</b> , 21, 223-32	10.7	80
46	NOD2: a potential target for regulating liver injury. <i>Laboratory Investigation</i> , <b>2008</b> , 88, 318-27	5.9	38
45	NLRX1 is a mitochondrial NOD-like receptor that amplifies NF-kappaB and JNK pathways by inducing reactive oxygen species production. <i>EMBO Reports</i> , <b>2008</b> , 9, 293-300	6.5	247
44	The NLR gene family: a standard nomenclature. <i>Immunity</i> , <b>2008</b> , 28, 285-7	32.3	618
43	The microbial and danger signals that activate Nod-like receptors. <i>Cytokine</i> , <b>2008</b> , 43, 368-73	4	118
42	Nod2-dependent Th2 polarization of antigen-specific immunity. <i>Journal of Immunology</i> , <b>2008</b> , 181, 7925-35	3.5	145
41	Nucleotide oligomerization domains 1 and 2: regulation of expression and function in preadipocytes. <i>Journal of Immunology</i> , <b>2008</b> , 181, 3620-7	5.3	46
40	Differential function of the NACHT-LRR (NLR) members Nod1 and Nod2 in arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9017-22	11.5	50
39	Engagement of NOD2 has a dual effect on proIL-1beta mRNA transcription and secretion of bioactive IL-1beta. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 184-91	6.1	65
38	Intracellular bacteriolysis triggers a massive apoptotic cell death in Shigella-infected epithelial cells. <i>Microbes and Infection</i> , <b>2008</b> , 10, 1114-23	9.3	8
37	Nod-like receptors in innate immunity and inflammatory diseases. <i>Annals of Medicine</i> , <b>2007</b> , 39, 581-93	1.5	50
36	Mycobacterium paratuberculosis is recognized by Toll-like receptors and NOD2. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 82, 1011-8	6.5	100
35	Nod1 and Nod2 induce CCL5/RANTES through the NF-kappaB pathway. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 2499-508	6.1	68
34	The intestinal epithelial barrier: how to distinguish between the microbial flora and pathogens. <i>Seminars in Immunology</i> , <b>2007</b> , 19, 106-15	10.7	125
33	Nod1-mediated innate immune recognition of peptidoglycan contributes to the onset of adaptive immunity. <i>Immunity</i> , <b>2007</b> , 26, 445-59	32.3	258
32	A critical role for peptidoglycan N-deacetylation in Listeria evasion from the host innate immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 997-1002	11.5	291
31	Normal responses to specific NOD1 ligands. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 2817-8; author reply 2818	6.1	1



30	Role of AmiA in the morphological transition of <i>Helicobacter pylori</i> and in immune escape. <i>PLoS Pathogens</i> , <b>2006</b> , 2, e97	7.6	89
29	Anti-inflammatory effect of <i>Lactobacillus casei</i> on <i>Shigella</i> -infected human intestinal epithelial cells. <i>Journal of Immunology</i> , <b>2006</b> , 176, 1228-37	5.3	247
28	Triggering receptor expressed on myeloid cells-1 (TREM-1) amplifies the signals induced by the NACHT-LRR (NLR) pattern recognition receptors. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 80, 1454-61	6.5	97
27	Nucleotide oligomerization domain 2 (Nod2) is not involved in the pattern recognition of <i>Candida albicans</i> . <i>Vaccine Journal</i> , <b>2006</b> , 13, 423-5		28
26	hPepT1 selectively transports muramyl dipeptide but not Nod1-activating muramyl peptides. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2006</b> , 84, 1313-9	2.4	69
25	Caspase-1 activation of lipid metabolic pathways in response to bacterial pore-forming toxins promotes cell survival. <i>Cell</i> , <b>2006</b> , 126, 1135-45	56.2	419
24	PGRP-LB minds the fort. <i>Immunity</i> , <b>2006</b> , 24, 363-6	32.3	8
23	Nod-like proteins in immunity, inflammation and disease. <i>Nature Immunology</i> , <b>2006</b> , 7, 1250-7	19.1	692
22	Nod1 participates in the innate immune response to <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 36714-8	5.4	119
21	Synergistic stimulation of human monocytes and dendritic cells by Toll-like receptor 4 and NOD1- and NOD2-activating agonists. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 2459-70	6.1	276
20	Murine Nod1 but not its human orthologue mediates innate immune detection of tracheal cytotoxin. <i>EMBO Reports</i> , <b>2005</b> , 6, 1201-7	6.5	133
19	Nucleotide-binding oligomerization domain-2 modulates specific TLR pathways for the induction of cytokine release. <i>Journal of Immunology</i> , <b>2005</b> , 174, 6518-23	5.3	230
18	IL-32 synergizes with nucleotide oligomerization domain (NOD) 1 and NOD2 ligands for IL-1beta and IL-6 production through a caspase 1-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16309-14	11.5	249
17	The frameshift mutation in Nod2 results in unresponsiveness not only to Nod2- but also Nod1-activating peptidoglycan agonists. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 35859-67	5.4	67
16	Identification of the critical residues involved in peptidoglycan detection by Nod1. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 38648-56	5.4	91
15	Nod1 responds to peptidoglycan delivered by the <i>Helicobacter pylori</i> cag pathogenicity island. <i>Nature Immunology</i> , <b>2004</b> , 5, 1166-74	19.1	982
14	Toll-like receptor 2-dependent bacterial sensing does not occur via peptidoglycan recognition. <i>EMBO Reports</i> , <b>2004</b> , 5, 1000-6	6.5	390
13	Mini-review: the role of peptidoglycan recognition in innate immunity. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 1777-82	6.1	102

12	The role of Toll-like receptors and Nod proteins in bacterial infection. <i>Molecular Immunology</i> , <b>2004</b> , 41, 1099-108	4.3	213
11	Nods, Nalps and Naip: intracellular regulators of bacterial-induced inflammation. <i>Cellular Microbiology</i> , <b>2003</b> , 5, 581-92	3.9	274
10	Sensing microbes by diverse hosts. Workshop on pattern recognition proteins and receptors. <i>EMBO Reports</i> , <b>2003</b> , 4, 932-6	6.5	16
9	Nod1 detects a unique muropeptide from gram-negative bacterial peptidoglycan. <i>Science</i> , <b>2003</b> , 300, 1584-7	33.3	1229
8	Peptidoglycan molecular requirements allowing detection by Nod1 and Nod2. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 41702-8	5.4	498
7	Gene-environment interaction modulated by allelic heterogeneity in inflammatory diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 3455-60	11.5	263
6	Nod2 is a general sensor of peptidoglycan through muramyl dipeptide (MDP) detection. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8869-72	5.4	1730
5	Intracellular vs extracellular recognition of pathogens--common concepts in mammals and flies. <i>Trends in Microbiology</i> , <b>2002</b> , 10, 193-9	12.4	160
4	Innate immune responses of epithelial cells following infection with bacterial pathogens. <i>Current Opinion in Immunology</i> , <b>2001</b> , 13, 410-6	7.8	122
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