

# Stephen E Girardin

## List of Publications by Year in descending order

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158  
papers

28,616  
citations

9756

73  
h-index

6454

157  
g-index

160  
all docs

160  
docs citations

160  
times ranked

34222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Nod2 Is a General Sensor of Peptidoglycan through Muramyl Dipeptide (MDP) Detection. <i>Journal of Biological Chemistry</i> , 2003, 278, 8869-8872.	1.6	2,026
3	Nod1 Detects a Unique Muropeptide from Gram-Negative Bacterial Peptidoglycan. <i>Science</i> , 2003, 300, 1584-1587.	6.0	1,388
4	Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. <i>Nature Immunology</i> , 2010, 11, 55-62.	7.0	1,125
5	Nod1 responds to peptidoglycan delivered by the <i>Helicobacter pylori</i> cag pathogenicity island. <i>Nature Immunology</i> , 2004, 5, 1166-1174.	7.0	1,091
6	Nod-like proteins in immunity, inflammation and disease. <i>Nature Immunology</i> , 2006, 7, 1250-1257.	7.0	794
7	The NLR Gene Family: A Standard Nomenclature. <i>Immunity</i> , 2008, 28, 285-287.	6.6	761
8	WIPI2 Links LC3 Conjugation with PI3P, Autophagosome Formation, and Pathogen Clearance by Recruiting Atg12 <sup>5</sup> -16L1. <i>Molecular Cell</i> , 2014, 55, 238-252.	4.5	650
9	Peptidoglycan Molecular Requirements Allowing Detection by Nod1 and Nod2. <i>Journal of Biological Chemistry</i> , 2003, 278, 41702-41708.	1.6	578
10	CARD4/Nod1 mediates NF- $\kappa$ B and JNK activation by invasive <i>Shigella flexneri</i> . <i>EMBO Reports</i> , 2001, 2, 736-742.	2.0	569
11	NOD proteins: regulators of inflammation in health and disease. <i>Nature Reviews Immunology</i> , 2014, 14, 9-23.	10.6	525
12	Caspase-1 Activation of Lipid Metabolic Pathways in Response to Bacterial Pore-Forming Toxins Promotes Cell Survival. <i>Cell</i> , 2006, 126, 1135-1145.	13.5	461
13	Toll-like receptor 2-dependent bacterial sensing does not occur via peptidoglycan recognition. <i>EMBO Reports</i> , 2004, 5, 1000-1006.	2.0	435
14	Bacterial membrane vesicles deliver peptidoglycan to NOD1 in epithelial cells. <i>Cellular Microbiology</i> , 2010, 12, 372-385.	1.1	382
15	Gut Microbial Metabolism Drives Transformation of Msh2-Deficient Colon Epithelial Cells. <i>Cell</i> , 2014, 158, 288-299.	13.5	375
16	Amino Acid Starvation Induced by Invasive Bacterial Pathogens Triggers an Innate Host Defense Program. <i>Cell Host and Microbe</i> , 2012, 11, 563-575.	5.1	331
17	A critical role for peptidoglycan N-deacetylation in <i>Listeria</i> evasion from the host innate immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 997-1002.	3.3	329
18	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> , 2005, 35, 2459-2470.	1.6	312

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19	Nods, Nalps and Naip: intracellular regulators of bacterial-induced inflammation. Cellular Microbiology, 2003, 5, 581-592.	1.1	309
20	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
21	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
22	The Multifaceted Role of the Intestinal Microbiota in Colon Cancer. Molecular Cell, 2014, 54, 309-320.	4.5	284
23	Regulation of Obesity-Related Insulin Resistance with Gut Anti-inflammatory Agents. Cell Metabolism, 2015, 21, 527-542.	7.2	283
24	NLRX1 is a mitochondrial NOD-like receptor that amplifies NF- $\kappa$ B and JNK pathways by inducing reactive oxygen species production. EMBO Reports, 2008, 9, 293-300.	2.0	282
25	Nod1-Mediated Innate Immune Recognition of Peptidoglycan Contributes to the Onset of Adaptive Immunity. Immunity, 2007, 26, 445-459.	6.6	281
26	IL-32 synergizes with nucleotide oligomerization domain (NOD) 1 and NOD2 ligands for IL-1 $\alpha$ 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
27	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
28	The role of Toll-like receptors and Nod proteins in bacterial infection. Molecular Immunology, 2004, 41, 1099-1108.	1.0	236
29	Parkinson'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
30	Mitochondria in innate immunity. EMBO Reports, 2011, 12, 901-910.	2.0	222
31	Identification of an innate T helper type 17 response to intestinal bacterial pathogens. Nature Medicine, 2011, 17, 837-844.	15.2	216
32	Mitochondrial ROS fuel the inflammasome. Cell Research, 2011, 21, 558-560.	5.7	212
33	NLRC5 Limits the Activation of Inflammatory Pathways. Journal of Immunology, 2010, 185, 1681-1691.	0.4	209
34	Intracellular vs extracellular recognition of pathogens – common concepts in mammals and flies. Trends in Microbiology, 2002, 10, 193-199.	3.5	203
35	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
36	Unleashing the therapeutic potential of NOD-like receptors. Nature Reviews Drug Discovery, 2009, 8, 465-479.	21.5	184

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37	Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. <i>Gut</i> , 2011, 60, 1229-1235.	6.1	172
38	An N-terminal addressing sequence targets NLRX1 to the mitochondrial matrix. <i>Journal of Cell Science</i> , 2009, 122, 3161-3168.	1.2	167
39	Nod2-Dependent Th2 Polarization of Antigen-Specific Immunity. <i>Journal of Immunology</i> , 2008, 181, 7925-7935.	0.4	166
40	Listeria hijacks host mitophagy through a novel mitophagy receptor to evade killing. <i>Nature Immunology</i> , 2019, 20, 433-446.	7.0	166
41	The Protein ATG16L1 Suppresses Inflammatory Cytokines Induced by the Intracellular Sensors Nod1 and Nod2 in an Autophagy-Independent Manner. <i>Immunity</i> , 2013, 39, 858-873.	6.6	162
42	The intestinal epithelial barrier: How to distinguish between the microbial flora and pathogens. <i>Seminars in Immunology</i> , 2007, 19, 106-115.	2.7	153
43	Murine Nod1 but not its human orthologue mediates innate immune detection of tracheal cytotoxin. <i>EMBO Reports</i> , 2005, 6, 1201-1207.	2.0	147
44	Shigella Induces Mitochondrial Dysfunction and Cell Death in Nonmyeloid Cells. <i>Cell Host and Microbe</i> , 2009, 5, 123-136.	5.1	140
45	NOD1 and NOD2 in inflammation, immunity and disease. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 69-81.	1.4	140
46	Nod1 Participates in the Innate Immune Response to <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 36714-36718.	1.6	139
47	Innate immune responses of epithelial cells following infection with bacterial pathogens. <i>Current Opinion in Immunology</i> , 2001, 13, 410-416.	2.4	135
48	Comparison of Co-housing and Littermate Methods for Microbiota Standardization in Mouse Models. <i>Cell Reports</i> , 2019, 27, 1910-1919.e2.	2.9	134
49	<i>Mycobacterium paratuberculosis</i> is recognized by Toll-like receptors and NOD2. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1011-1018.	1.5	133
50	The microbial and danger signals that activate Nod-like receptors. <i>Cytokine</i> , 2008, 43, 368-373.	1.4	128
51	Nod1 and Nod2 signaling does not alter the composition of intestinal bacterial communities at homeostasis. <i>Gut Microbes</i> , 2013, 4, 222-231.	4.3	125
52	How autophagy controls the intestinal epithelial barrier. <i>Autophagy</i> , 2022, 18, 86-103.	4.3	125
53	Enhancement of Reactive Oxygen Species Production and Chlamydial Infection by the Mitochondrial Nod-like Family Member NLRX1. <i>Journal of Biological Chemistry</i> , 2010, 285, 41637-41645.	1.6	124
54	<i>Listeria</i> phospholipases subvert host autophagic defenses by stalling pre-autophagosomal structures. <i>EMBO Journal</i> , 2013, 32, 3066-3078.	3.5	123

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55	Mitophagy pathways in health and disease. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	121
56	Mini-review: The role of peptidoglycan recognition in innate immunity. <i>European Journal of Immunology</i> , 2004, 34, 1777-1782.	1.6	119
57	Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. <i>Cell Reports</i> , 2018, 25, 1525-1536.e7.	2.9	117
58	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> , 2006, 80, 1454-1461.	1.5	112
59	Nod1 and Nod2 Regulation of Inflammation in the <i>Salmonella</i> Colitis Model. <i>Infection and Immunity</i> , 2010, 78, 5107-5115.	1.0	109
60	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. <i>Science</i> , 2019, 366, 460-467.	6.0	109
61	Identification of the Critical Residues Involved in Peptidoglycan Detection by Nod1. <i>Journal of Biological Chemistry</i> , 2005, 280, 38648-38656.	1.6	106
62	Role of AmiA in the Morphological Transition of <i>Helicobacter pylori</i> and in Immune Escape. <i>PLoS Pathogens</i> , 2006, 2, e97.	2.1	102
63	Essential role of Rip2 in the modulation of innate and adaptive immunity triggered by Nod1 and Nod2 ligands. <i>European Journal of Immunology</i> , 2011, 41, 1445-1455.	1.6	100
64	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> , 2014, 111, E2110-9.	3.3	95
65	The role of mitochondria in cellular defense against microbial infection. <i>Seminars in Immunology</i> , 2009, 21, 223-232.	2.7	93
66	Peptidoglycan-Modifying Enzyme Pgp1 Is Required for Helical Cell Shape and Pathogenicity Traits in <i>Campylobacter jejuni</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002602.	2.1	92
67	NLRX1 dampens oxidative stress and apoptosis in tissue injury via control of mitochondrial activity. <i>Journal of Experimental Medicine</i> , 2017, 214, 2405-2420.	4.2	90
68	Complement C3 Drives Autophagy-Dependent Restriction of Cyto-invasive Bacteria. <i>Cell Host and Microbe</i> , 2018, 23, 644-652.e5.	5.1	86
69	The heme-regulated inhibitor is a cytosolic sensor of protein misfolding that controls innate immune signaling. <i>Science</i> , 2019, 365, .	6.0	81
70	Nod-like receptors in the control of intestinal inflammation. <i>Current Opinion in Immunology</i> , 2012, 24, 398-404.	2.4	79
71	The NLR Protein NLRP6 Does Not Impact Gut Microbiota Composition. <i>Cell Reports</i> , 2017, 21, 3653-3661.	2.9	79
72	hPepT1 selectively transports muramyl dipeptide but not Nod1-activating muramyl peptides. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 1313-1319.	0.7	78

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73	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
74	What is new with Nods?. Current Opinion in Immunology, 2011, 23, 29-34.	2.4	76
75	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
76	Nod1 and Nod2 induce CCL5/RANTES through the NF- $\kappa$ B pathway. European Journal of Immunology, 2007, 37, 2499-2508.	1.6	75
77	Nod-like receptors: sentinels at host membranes. Current Opinion in Immunology, 2010, 22, 428-434.	2.4	75
78	Cyclic-di-GMP and cyclic-di-AMP activate the NLRP3 inflammasome. EMBO Reports, 2013, 14, 900-906.	2.0	75
79	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
80	NLRX1 does not inhibit MAVS-dependent antiviral signalling. Innate Immunity, 2013, 19, 438-448.	1.1	73
81	An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. Nature Nanotechnology, 2015, 10, 361-369.	15.6	73
82	Downregulation of the Na/K-ATPase Pump by Leptospiral Glycolipoprotein Activates the NLRP3 Inflammasome. Journal of Immunology, 2012, 188, 2805-2814.	0.4	72
83	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
84	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. Cell Reports, 2017, 18, 2415-2426.	2.9	70
85	Engagement of NOD2 has a dual effect on proIL-1 $\beta$ mRNA transcription and secretion of bioactive IL-1 $\beta$ . European Journal of Immunology, 2008, 38, 184-191.	1.6	69
86	Peptidoglycan Id-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
87	The Mitochondrial Protein NLRX1 Controls the Balance between Extrinsic and Intrinsic Apoptosis. Journal of Biological Chemistry, 2014, 289, 19317-19330.	1.6	63
88	Emerging themes in bacterial autophagy. Current Opinion in Microbiology, 2015, 23, 163-170.	2.3	63
89	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
90	Translation inhibition and metabolic stress pathways in the host response to bacterial pathogens. Nature Reviews Microbiology, 2013, 11, 365-369.	13.6	59

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91	Nod-like receptors in innate immunity and inflammatory diseases. <i>Annals of Medicine</i> , 2007, 39, 581-593.	1.5	58
92	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> , 2008, 105, 9017-9022.	3.3	54
93	Nod proteins link bacterial sensing and autophagy. <i>Autophagy</i> , 2010, 6, 409-411.	4.3	53
94	Innate Recognition of Intracellular Bacterial Growth Is Driven by the TIFA-Dependent Cytosolic Surveillance Pathway. <i>Cell Reports</i> , 2017, 19, 1418-1430.	2.9	52
95	NLRX1 Acts as an Epithelial-Intrinsic Tumor Suppressor through the Modulation of TNF-Mediated Proliferation. <i>Cell Reports</i> , 2016, 14, 2576-2586.	2.9	51
96	Nod-like receptors in intestinal homeostasis, inflammation, and cancer. <i>Journal of Leukocyte Biology</i> , 2011, 90, 471-482.	1.5	49
97	Nucleotide Oligomerization Domains 1 and 2: Regulation of Expression and Function in Preadipocytes. <i>Journal of Immunology</i> , 2008, 181, 3620-3627.	0.4	47
98	Nutrient sensing and metabolic stress pathways in innate immunity. <i>Cellular Microbiology</i> , 2013, 15, n/a-n/a.	1.1	47
99	Role of Nod1 in Mucosal Dendritic Cells during Salmonella Pathogenicity Island 1-Independent Salmonella enterica Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2009, 77, 4480-4486.	1.0	46
100	Cyclosporine A Impairs Nucleotide Binding Oligomerization Domain (Nod1)-Mediated Innate Antibacterial Renal Defenses in Mice and Human Transplant Recipients. <i>PLoS Pathogens</i> , 2013, 9, e1003152.	2.1	45
101	Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. <i>Cell Reports</i> , 2021, 34, 108677.	2.9	44
102	NOD2: a potential target for regulating liver injury. <i>Laboratory Investigation</i> , 2008, 88, 318-327.	1.7	41
103	Listeria monocytogenes and Shigella flexneri Activate the NLRP1B Inflammasome. <i>Infection and Immunity</i> , 2017, 85, .	1.0	41
104	Canonical and noncanonical inflammasomes in intestinal epithelial cells. <i>Cellular Microbiology</i> , 2019, 21, e13079.	1.1	39
105	Nod1 and Nod2 Enhance TLR-Mediated Invariant NKT Cell Activation during Bacterial Infection. <i>Journal of Immunology</i> , 2013, 191, 5646-5654.	0.4	37
106	Trace levels of peptidoglycan in serum underlie the NOD-dependent cytokine response to endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 2019, 294, 9007-9015.	1.6	37
107	Bacterial autophagy. <i>Autophagy</i> , 2012, 8, 1848-1850.	4.3	36
108	ER-stress mobilization of death-associated protein kinase-1-dependent xenophagy counteracts mitochondria stress-induced epithelial barrier dysfunction. <i>Journal of Biological Chemistry</i> , 2018, 293, 3073-3087.	1.6	35

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109	Nucleotide Oligomerization Domain 2 (Nod2) Is Not Involved in the Pattern Recognition of <i>Candida albicans</i> . <i>Vaccine Journal</i> , 2006, 13, 423-425.	3.2	34
110	Identification of a synthetic muramyl peptide derivative with enhanced Nod2 stimulatory capacity. <i>Innate Immunity</i> , 2013, 19, 493-503.	1.1	34
111	The mitochondrial Nod-like receptor NLRX1 modifies apoptosis through SARM1. <i>Molecular and Cellular Biochemistry</i> , 2019, 453, 187-196.	1.4	33
112	Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2015, 10, e0137839.	1.1	32
113	Intracellular Bacterial Pathogens Trigger the Formation of U Small Nuclear RNA Bodies (U Bodies) through Metabolic Stress Induction. <i>Journal of Biological Chemistry</i> , 2015, 290, 20904-20918.	1.6	32
114	Crohn's disease-associated Nod2 mutants reduce IL10 transcription. <i>Nature Immunology</i> , 2009, 10, 455-457.	7.0	31
115	The emerging role of mTOR signalling in antibacterial immunity. <i>Immunology and Cell Biology</i> , 2014, 92, 346-353.	1.0	31
116	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> , 2018, 1864, 1883-1895.	1.8	30
117	The eIF2 $\gamma$ kinase HRI in innate immunity, proteostasis, and mitochondrial stress. <i>FEBS Journal</i> , 2021, 288, 3094-3107.	2.2	30
118	Post-transcriptional Inhibition of Luciferase Reporter Assays by the Nod-like Receptor Proteins NLRX1 and NLRC3. <i>Journal of Biological Chemistry</i> , 2012, 287, 28705-28716.	1.6	29
119	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> , 2019, 39, .	1.1	29
120	Role of Mouse Peptidoglycan Recognition Protein PGLYRP2 in the Innate Immune Response to <i>Salmonella enterica</i> Serovar Typhimurium Infection <i>in Vivo</i> . <i>Infection and Immunity</i> , 2012, 80, 2645-2654.	1.0	28
121	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> , 2019, 112, 280-301.	1.2	27
122	Interleukin-1 signaling induced by <i>Streptococcus suis</i> 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> , 2019, 50, 52.	1.1	26
123	Nod-like receptors in intestinal host defense. <i>Current Opinion in Gastroenterology</i> , 2013, 29, 15-22.	1.0	25
124	Modeling-Enabled Characterization of Novel NLRX1 Ligands. <i>PLoS ONE</i> , 2015, 10, e0145420.	1.1	25
125	Innate Immune Influences on the Gut Microbiome: Lessons from Mouse Models. <i>Trends in Immunology</i> , 2018, 39, 992-1004.	2.9	25
126	Oncolytic targeting of renal cell carcinoma <i>via</i> encephalomyocarditis virus. <i>EMBO Molecular Medicine</i> , 2010, 2, 275-288.	3.3	23



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127	Penicillin Resistance Compromises Nod1-Dependent Proinflammatory Activity and Virulence Fitness of <i>Neisseria meningitidis</i> . <i>Cell Host and Microbe</i> , 2013, 13, 735-745.	5.1	23
128	The Impact of the Gut Microbiome on Colorectal Cancer. <i>Annual Review of Cancer Biology</i> , 2018, 2, 229-249.	2.3	21
129	The eIF2 $\alpha$ kinase HRI triggers the autophagic clearance of cytosolic protein aggregates. <i>Journal of Biological Chemistry</i> , 2021, 296, 100050.	1.6	21
130	Synthesis and Biological Evaluation of Biotinyl Hydrazone Derivatives of Muramyl Peptides. <i>Chemical Biology and Drug Design</i> , 2012, 79, 2-8.	1.5	19
131	Sensing microbes by diverse hosts. <i>EMBO Reports</i> , 2003, 4, 932-936.	2.0	18
132	NLRX1 Deletion Increases Ischemia-Reperfusion Damage and Activates Glucose Metabolism in Mouse Heart. <i>Frontiers in Immunology</i> , 2020, 11, 591815.	2.2	16
133	The LIM homeobox protein mLIM3/Lhx3 induces expression of the prolactin gene by a Pit-1/GHF-1-independent pathway in corticotroph AtT20 cells. <i>FEBS Letters</i> , 1998, 431, 333-338.	1.3	15
134	Gut microbes extend reach to systemic innate immunity. <i>Nature Medicine</i> , 2010, 16, 160-161.	15.2	15
135	NOD2 modulates immune tolerance via the GM-CSF $\alpha$ -dependent generation of CD103 <sup>+</sup> dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10946-10957.	3.3	15
136	The intestinal microbiota: from health to disease, and back. <i>Microbes and Infection</i> , 2021, 23, 104849.	1.0	14
137	Phenotyping of Nod1/2 double deficient mice and characterization of Nod1/2 in systemic inflammation and associated renal disease. <i>Biology Open</i> , 2012, 1, 1239-1247.	0.6	13
138	Male Mice Lacking NLRX1 Are Partially Protected From High-Fat Diet $\alpha$ -Induced Hyperglycemia. <i>Journal of the Endocrine Society</i> , 2018, 2, 336-347.	0.1	13
139	NLRP1B and NLRP3 Control the Host Response following Colonization with the Commensal Protist <i>Tritrichomonas musculus</i> . <i>Journal of Immunology</i> , 2022, 208, 1782-1789.	0.4	13
140	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> , 2022, 101, 335-345.	2.0	12
141	T Cell Intrinsic NOD2 Is Dispensable for CD8 T Cell Immunity. <i>PLoS ONE</i> , 2013, 8, e56014.	1.1	11
142	NLRC5 deficiency has a moderate impact on immunodominant CD8 <sup>+</sup> T $\alpha$ cell responses during rotavirus infection of adult mice. <i>Immunology and Cell Biology</i> , 2019, 97, 552-562.	1.0	10
143	Recognition of Lipoproteins by Toll-like Receptor 2 and DNA by the AIM2 Inflammasome Is Responsible for Production of Interleukin-1 $\beta$ by Virulent Sullysin-Negative <i>Streptococcus suis</i> Serotype 2. <i>Pathogens</i> , 2020, 9, 147.	1.2	10
144	PGRP-LB Minds the Fort. <i>Immunity</i> , 2006, 24, 363-366.	6.6	9

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145	Intracellular bacteriolysis triggers a massive apoptotic cell death in Shigella-infected epithelial cells. <i>Microbes and Infection</i> , 2008, 10, 1114-1123.	1.0	8
146	Hypothesis-free analysis of ATG16L1 demonstrates gene-wide extent of association with Crohn's disease susceptibility: Table 1. <i>Gut</i> , 2013, 62, 331-333.	6.1	8
147	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> , 2011, 157, 2963-2973.	0.7	7
148	Constitutive induction of intestinal Tc17 cells in the absence of hematopoietic cell-specific MHC class II expression. <i>European Journal of Immunology</i> , 2013, 43, 2896-2906.	1.6	7
149	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> , 2018, 19, 78.	0.8	7
150	Knocking In the NLRP3 Inflammasome. <i>Immunity</i> , 2009, 30, 761-763.	6.6	6
151	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> , 2019, 14, e0214437.	1.1	6
152	Sending signals – The microbiota's contribution to intestinal epithelial homeostasis. <i>Microbes and Infection</i> , 2021, 23, 104774.	1.0	5
153	Stalling autophagy: a new function for <i>Listeria</i> phospholipases. <i>Microbial Cell</i> , 2014, 1, 48-50.	1.4	5
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