Philip Rosenstiel

List of Publications by Year
in descending order

391 papers	60,153 citations	1799 103 h-index	1190 228 g-index
423 all docs	423 docs citations	423 times ranked	97575 citing authors

#	Article	IF	Citations
1	Signatures of mutational processes in human cancer. Nature, 2013, 500, 415-421.	27.8	8,060
2	A map of human genome variation from population-scale sequencing. Nature, 2010, 467, 1061-1073.	27.8	7,209
3	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
4	Transcriptome and genome sequencing uncovers functional variation in humans. Nature, 2013, 501, 506-511.	27.8	1,857
5	A genome-wide association scan of nonsynonymous SNPs identifies a susceptibility variant for Crohn disease in ATG16L1. Nature Genetics, 2007, 39, 207-211.	21.4	1,712
6	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. Cell, 2020, 182, 1419-1440.e23.	28.9	1,162
7	ACE2 links amino acid malnutrition to microbial ecology and intestinal inflammation. Nature, 2012, 487, 477-481.	27.8	1,035
8	Mapping copy number variation by population-scale genome sequencing. Nature, 2011, 470, 59-65.	27.8	991
9	The resilience of the intestinal microbiota influences health and disease. Nature Reviews Microbiology, 2017, 15, 630-638.	28.6	696
10	Enterococcus hirae and Barnesiella intestinihominis Facilitate Cyclophosphamide-Induced Therapeutic Immunomodulatory Effects. Immunity, 2016, 45, 931-943.	14.3	645
11	Diversity of Human Copy Number Variation and Multicopy Genes. Science, 2010, 330, 641-646.	12.6	609
12	Paneth cells as a site of origin for intestinal inflammation. Nature, 2013, 503, 272-276.	27.8	605
13	Demographic history and rare allele sharing among human populations. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11983-11988.	7.1	589
14	Sequence variants in IL10, ARPC2 and multiple other loci contribute to ulcerative colitis susceptibility. Nature Genetics, 2008, 40, 1319-1323.	21.4	534
15	Genome-wide association analysis identifies variation in vitamin D receptor and other host factors influencing the gut microbiota. Nature Genetics, 2016, 48, 1396-1406.	21.4	533
16	Variation in genome-wide mutation rates within and between human families. Nature Genetics, 2011, 43, 712-714.	21.4	525
17	Efficacy of Sterile Fecal Filtrate Transfer for Treating Patients With Clostridium difficile Infection. Gastroenterology, 2017, 152, 799-811.e7.	1.3	498
18	Sarcoidosis is associated with a truncating splice site mutation in BTNL2. Nature Genetics, 2005, 37, 357-364.	21.4	451

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19	NOD2-mediated dysbiosis predisposes mice to transmissible colitis and colorectal cancer. Journal of Clinical Investigation, 2013, 123, 700-11.	8.2	444
20	Genetic variation in DLG5 is associated with inflammatory bowel disease. Nature Genetics, 2004, 36, 476-480.	21.4	443
21	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	28.9	404
22	TNF-Î± and IFN-Î³ regulate the expression of the NOD2 (CARD15) gene in human intestinal epithelial cells. Gastroenterology, 2003, 124, 1001-1009.	1.3	389
23	Recurrent mutation of the ID3 gene in Burkitt lymphoma identified by integrated genome, exome and transcriptome sequencing. Nature Genetics, 2012, 44, 1316-1320.	21.4	389
24	Fungi and inflammatory bowel diseases: Alterations of composition and diversity. Scandinavian Journal of Gastroenterology, 2008, 43, 831-841.	1.5	375
25	Swarm Learning for decentralized and confidential clinical machine learning. Nature, 2021, 594, 265-270.	27.8	375
26	p38 Mitogen-Activated Protein Kinase Is Activated and Linked to TNF-Î± Signaling in Inflammatory Bowel Disease. Journal of Immunology, 2002, 168, 5342-5351.	0.8	372
27	Toward the blood-borne miRNome of human diseases. Nature Methods, 2011, 8, 841-843.	19.0	339
28	Increased Tryptophan Metabolism Is Associated With Activity of Inflammatory Bowel Diseases. Gastroenterology, 2017, 153, 1504-1516.e2.	1.3	338
29	Replication of signals from recent studies of Crohn's disease identifies previously unknown disease loci for ulcerative colitis. Nature Genetics, 2008, 40, 713-715.	21.4	333
30	The native microbiome of the nematode Caenorhabditis elegans: gateway to a new host-microbiome model. BMC Biology, 2016, 14, 38.	3.8	330
31	Genome-Wide Association Analysis in Primary Sclerosing Cholangitis. Gastroenterology, 2010, 138, 1102-1111.	1.3	325
32	G Protein-Coupled Receptor 43 Is Essential for Neutrophil Recruitment during Intestinal Inflammation. Journal of Immunology, 2009, 183, 7514-7522.	0.8	308
33	The 1000 Genomes Project: data management and community access. Nature Methods, 2012, 9, 459-462.	19.0	308
34	Colonic mucosa-associated microbiota is influenced by an interaction of Crohn disease and FUT2 (Secretor) genotype. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19030-19035.	7.1	304
35	Genetics of Crohn disease, an archetypal inflammatory barrier disease. Nature Reviews Genetics, 2005, 6, 376-388.	16.3	290
36	Critical role of the disintegrin metalloprotease ADAM17 for intestinal inflammation and regeneration in mice. Journal of Experimental Medicine, 2010, 207, 1617-1624.	8.5	286

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37	Activation of microglia by human neuromelanin is NFâ€ÎºBâ€dependent and involves p38 mitogenâ€activated protein kinase: implications for Parkinson's disease. FASEB Journal, 2003, 17, 1-20.	0.5	279
38	Nod2 is essential for temporal development of intestinal microbial communities. Gut, 2011, 60, 1354-1362.	12.1	278
39	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. Immunity, 2020, 53, 1296-1314.e9.	14.3	278
40	Low-Avidity CD4+ T Cell Responses to SARS-CoV-2 in Unexposed Individuals and Humans with Severe COVID-19. Immunity, 2020, 53, 1258-1271.e5.	14.3	255
41	Effect of predicted protein-truncating genetic variants on the human transcriptome. Science, 2015, 348, 666-669.	12.6	252
42	Widespread disruption of host transcription termination in HSV-1 infection. Nature Communications, 2015, 6, 7126.	12.8	245
43	Genome-wide association study identifies ANXA11 as a new susceptibility locus for sarcoidosis. Nature Genetics, 2008, 40, 1103-1106.	21.4	239
44	DNA Methylation and Transcription Patterns in Intestinal Epithelial Cells From Pediatric Patients With Inflammatory BowelÂDiseases Differentiate Disease Subtypes and Associate With Outcome. Gastroenterology, 2018, 154, 585-598.	1.3	226
45	Genome and low-iron response of an oceanic diatom adapted to chronic iron limitation. Genome Biology, 2012, 13, R66.	9.6	224
46	The Angiotensin II Type 2 (AT2) Receptor Promotes Axonal Regeneration in the Optic Nerve of Adult Rats. Journal of Experimental Medicine, 1998, 188, 661-670.	8.5	199
47	Genome-wide association study for Crohn's disease in the Quebec Founder Population identifies multiple validated disease loci. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14747-14752.	7.1	197
48	Extended analysis of a genome-wide association study in primary sclerosing cholangitis detects multiple novel risk loci. Journal of Hepatology, 2012, 57, 366-375.	3.7	196
49	Uncovering the evolutionary history of innate immunity: The simple metazoan Hydra uses epithelial cells for host defence. Developmental and Comparative Immunology, 2009, 33, 559-569.	2.3	195
50	Maternal Epigenetic Pathways Control Parental Contributions to Arabidopsis Early Embryogenesis. Cell, 2011, 145, 707-719.	28.9	193
51	Diversification of memory B cells drives the continuous adaptation of secretory antibodies to gut microbiota. Nature Immunology, 2015, 16, 880-888.	14.5	192
52	Genomics and drug profiling of fatal TCF3-HLFâ"positive acute lymphoblastic leukemia identifies recurrent mutation patterns and therapeutic options. Nature Genetics, 2015, 47, 1020-1029.	21.4	190
53	Fecal SCFAs and SCFAâ€producing bacteria in gut microbiome of human NAFLD as a putative link to systemic Tâ€cell activation and advanced disease. United European Gastroenterology Journal, 2018, 6, 1496-1507.	3.8	190
54	Inflammation in Parkinsons Diseases and Other Neurodegenerative Diseases: Cause and Therapeutic Implications. Current Pharmaceutical Design, 2007, 13, 1925-1928.	1.9	187

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55	Activation of signal transducer and activator of transcription (STAT) 1 in human chronic inflammatory bowel disease. Gut, 2002, 51, 379-385.	12.1	185
56	DUOX2-derived reactive oxygen species are effectors of NOD2-mediated antibacterial responses. Journal of Cell Science, 2009, 122, 3522-3530.	2.0	184
57	Transcriptomic resilience to global warming in the seagrass Zostera marina , a marine foundation species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19276-19281.	7.1	184
58	Deep sequencing reveals differential expression of microRNAs in favorable versus unfavorable neuroblastoma. Nucleic Acids Research, 2010, 38, 5919-5928.	14.5	183
59	The large non-coding RNA ANRIL, which is associated with atherosclerosis, periodontitis and several forms of cancer, regulates ADIPOR1, VAMP3 and C11ORF10. Human Molecular Genetics, 2013, 22, 4516-4527.	2.9	183
60	When the Most Potent Combination of Antibiotics Selects for the Greatest Bacterial Load: The Smile-Frown Transition. PLoS Biology, 2013, 11, e1001540.	5.6	182
61	Metabolic Functions of Gut Microbes Associate With Efficacy ofÂTumor Necrosis Factor Antagonists in Patients With Inflammatory Bowel Diseases. Gastroenterology, 2019, 157, 1279-1292.e11.	1.3	180
62	Dissection of the Inflammatory Bowel Disease Transcriptome Using Genome-Wide cDNA Microarrays. PLoS Medicine, 2005, 2, e199.	8.4	179
63	Genome-wide association study for ulcerative colitis identifies risk loci at 7q22 and 22q13 (IL17REL). Nature Genetics, 2010, 42, 292-294.	21.4	177
64	A genome-wide association study identifies GLT6D1 as a susceptibility locus for periodontitis. Human Molecular Genetics, 2010, 19, 553-562.	2.9	176
65	Epigenomic Profiling of Human CD4+ T Cells Supports a Linear Differentiation Model and Highlights Molecular Regulators of Memory Development. Immunity, 2016, 45, 1148-1161.	14.3	174
66	The functional spectrum of low-frequency coding variation. Genome Biology, 2011, 12, R84.	9.6	173
67	The Nucleotide-Binding Oligomerization Domain-Like Receptor NLRC5 Is Involved in IFN-Dependent Antiviral Immune Responses. Journal of Immunology, 2010, 184, 1990-2000.	0.8	167
68	Selective blockade of interleukin-6 trans-signaling improves survival in a murine polymicrobial sepsis model*. Critical Care Medicine, 2011, 39, 1407-1413.	0.9	163
69	Fate-Mapping of GM-CSF Expression Identifies a Discrete Subset of Inflammation-Driving T Helper Cells Regulated by Cytokines IL-23 and IL-1Î². Immunity, 2019, 50, 1289-1304.e6.	14.3	163
70	FoxO is a critical regulator of stem cell maintenance in immortal Hydra. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19697-19702.	7.1	161
71	NLRC3 is an inhibitory sensor of PI3Kâ€“mTOR pathways in cancer. Nature, 2016, 540, 583-587.	27.8	160
72	Vedolizumab is associated with changes in innate rather than adaptive immunity in patients with inflammatory bowel disease. Gut, 2019, 68, 25-39.	12.1	160

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73	A comprehensive, cell specific microRNA catalogue of human peripheral blood. Nucleic Acids Research, 2017, 45, 9290-9301.	14.5	159
74	Giant Hydrogen Sulfide Plume in the Oxygen Minimum Zone off Peru Supports Chemolithoautotrophy. PLoS ONE, 2013, 8, e68661.	2.5	158
75	Regulation of DMBT1 via NOD2 and TLR4 in Intestinal Epithelial Cells Modulates Bacterial Recognition and Invasion. Journal of Immunology, 2007, 178, 8203-8211.	0.8	156
76	Neonatal selection by Toll-like receptor 5 influences long-term gut microbiota composition. Nature, 2018, 560, 489-493.	27.8	153
77	Regulation of Polyp-to-Jellyfish Transition in Aurelia aurita. Current Biology, 2014, 24, 263-273.	3.9	152
78	Association Between Variants of PRDM1 and NDP52 and Crohn's Disease, Based on Exome Sequencing and Functional Studies. Gastroenterology, 2013, 145, 339-347.	1.3	149
79	Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. Cell Metabolism, 2017, 25, 1063-1074.e3.	16.2	149
80	Early IFN-Î± signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. Immunity, 2021, 54, 2650-2669.e14.	14.3	145
81	Dietary history contributes to enterotype-like clustering and functional metagenomic content in the intestinal microbiome of wild mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2703-10.	7.1	144
82	Geographical patterns of the standing and active human gut microbiome in health and IBD. Gut, 2016, 65, 238-248.	12.1	143
83	Dietary lipids fuel GPX4-restricted enteritis resembling Crohnâ€™s disease. Nature Communications, 2020, 11, 1775.	12.8	143
84	Defective ATG16L1-mediated removal of IRE1Î± drives Crohnâ€™s diseaseâ€“like ileitis. Journal of Experimental Medicine, 2017, 214, 401-422.	8.5	141
85	Comparative analysis of amplicon and metagenomic sequencing methods reveals key features in the evolution of animal metaorganisms. Microbiome, 2019, 7, 133.	11.1	141
86	Molecular Signatures of the Three Stem Cell Lineages in Hydra and the Emergence of Stem Cell Function at the Base of Multicellularity. Molecular Biology and Evolution, 2012, 29, 3267-3280.	8.9	140
87	Impacts of seawater acidification on mantle gene expression patterns of the Baltic Sea blue mussel: implications for shell formation and energy metabolism. Marine Biology, 2013, 160, 1845-1861.	1.5	134
88	XIAP variants in male Crohn's disease. Gut, 2015, 64, 66-76.	12.1	133
89	Alternative Evolutionary Paths to Bacterial Antibiotic Resistance Cause Distinct Collateral Effects. Molecular Biology and Evolution, 2017, 34, 2229-2244.	8.9	133
90	Massively Parallel RNA Sequencing Identifies a Complex Immune Gene Repertoire in the lophotrochozoan Mytilus edulis. PLoS ONE, 2012, 7, e33091.	2.5	133

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91	Ultrashort and progressive 4sU-tagging reveals key characteristics of RNA processing at nucleotide resolution. Genome Research, 2012, 22, 2031-2042.	5.5	132
92	Genomeâ€wide miRNA signatures of human longevity. Aging Cell, 2012, 11, 607-616.	6.7	131
93	Nucleotide divergence vs. gene expression differentiation: comparative transcriptome sequencing in natural isolates from the carrion crow and its hybrid zone with the hooded crow. Molecular Ecology, 2010, 19, 162-175.	3.9	125
94	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.	3.4	124
95	Systematic Association Mapping Identifies NELL1 as a Novel IBD Disease Gene. PLoS ONE, 2007, 2, e691.	2.5	123
96	ATG16L1 orchestrates interleukin-22 signaling in the intestinal epithelium via cGASâ€“STING. Journal of Experimental Medicine, 2018, 215, 2868-2886.	8.5	122
97	ER stress transcription factor Xbp1 suppresses intestinal tumorigenesis and directs intestinal stem cells. Journal of Experimental Medicine, 2013, 210, 2041-2056.	8.5	120
98	Therapeutic Interleukin-6 Trans-signaling Inhibition by Olamkicept (sgp130Fc) in Patients With Active Inflammatory Bowel Disease. Gastroenterology, 2021, 160, 2354-2366.e11.	1.3	120
99	Defining the Origins of the NOD-Like Receptor System at the Base of Animal Evolution. Molecular Biology and Evolution, 2011, 28, 1687-1702.	8.9	119
100	Initial Symbiont Contact Orchestrates Host-Organ-wide Transcriptional Changes that Prime Tissue Colonization. Cell Host and Microbe, 2013, 14, 183-194.	11.0	119
101	DNA methylome analysis in Burkitt and follicular lymphomas identifies differentially methylated regions linked to somatic mutation and transcriptional control. Nature Genetics, 2015, 47, 1316-1325.	21.4	119
102	Hypothalamic Inflammation in Human Obesity Is Mediated by Environmental and Genetic Factors. Diabetes, 2017, 66, 2407-2415.	0.6	117
103	Exposure to the gut microbiota drives distinct methylome and transcriptome changes in intestinal epithelial cells during postnatal development. Genome Medicine, 2018, 10, 27.	8.2	117
104	A functional methylome map of ulcerative colitis. Genome Research, 2012, 22, 2130-2137.	5.5	116
105	DNA methylation defines regional identity of human intestinal epithelial organoids and undergoes dynamic changes during development. Gut, 2019, 68, 49-61.	12.1	116
106	Evaluation of AGR2 and AGR3 as candidate genes for inflammatory bowel disease. Genes and Immunity, 2006, 7, 11-18.	4.1	113
107	Combining transcription factor binding affinities with open-chromatin data for accurate gene expression prediction. Nucleic Acids Research, 2017, 45, 54-66.	14.5	112
108	Influence of polymorphisms in the NOD1/CARD4 and NOD2/CARD15 genes on the clinical outcome of Helicobacter pylori infection. Cellular Microbiology, 2006, 8, 1188-1198.	2.1	108

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109	A short isoform of NOD2/CARD15, NOD2-S, is an endogenous inhibitor of NOD2/receptor-interacting protein kinase 2-induced signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3280-3285.	7.1	108
110	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	27.8	108
111	Mitochondrial damage-associated inflammation highlights biomarkers in PRKN/PINK1 parkinsonism. Brain, 2020, 143, 3041-3051.	7.6	105
112	Erythropoietin and VEGF promote neural outgrowth from retinal explants in postnatal rats. Investigative Ophthalmology and Visual Science, 2002, 43, 2021-6.	3.3	105
113	A Powerful Method for Transcriptional Profiling of Specific Cell Types in Eukaryotes: Laser-Assisted Microdissection and RNA Sequencing. PLoS ONE, 2012, 7, e29685.	2.5	104
114	The genomic basis of Red Queen dynamics during rapid reciprocal hostâ€“pathogen coevolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 923-928.	7.1	102
115	Genomic and transcriptomic changes complement each other in the pathogenesis of sporadic Burkitt lymphoma. Nature Communications, 2019, 10, 1459.	12.8	99
116	Increased expression of IL-16 in inflammatory bowel disease. Gut, 2001, 48, 326-332.	12.1	96
117	Soluble tumor necrosis factor (TNF) receptorâ€1 induces apoptosis via reverse TNF signaling and autocrine transforming growth factorâ€β1. FASEB Journal, 2005, 19, 91-93.	0.5	95
118	Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. Nature Medicine, 2016, 22, 524-530.	30.7	94
119	A Phage Protein Aids Bacterial Symbionts in Eukaryote Immune Evasion. Cell Host and Microbe, 2019, 26, 542-550.e5.	11.0	94
120	MINCR is a MYC-induced lncRNA able to modulate MYCâ€™s transcriptional network in Burkitt lymphoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5261-70.	7.1	91
121	Epithelial IL-23R Signaling Licenses Protective IL-22 Responses in Intestinal Inflammation. Cell Reports, 2016, 16, 2208-2218.	6.4	89
122	Genome-Wide Association Analysis in Sarcoidosis and Crohn's Disease Unravels a Common Susceptibility Locus on 10p12.2. Gastroenterology, 2008, 135, 1207-1215.	1.3	85
123	Dynamic changes of the luminal and mucosa-associated gut microbiota during and after antibiotic therapy with paromomycin. Gut Microbes, 2015, 6, 243-254.	9.8	82
124	Uncoupling of mucosal gene regulation, mRNA splicing and adherent microbiota signatures in inflammatory bowel disease. Gut, 2017, 66, 2087-2097.	12.1	81
125	Cellular hysteresis as a principle to maximize the efficacy of antibiotic therapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9767-9772.	7.1	81
126	IL-23 induced in keratinocytes by endogenous TLR4 ligands polarizes dendritic cells to drive IL-22 responses to skin immunization. Journal of Experimental Medicine, 2016, 213, 2147-2166.	8.5	79

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127	The Met-196 â†' Arg Variation of Human Tumor Necrosis Factor Receptor 2 (TNFR2) Affects TNF-Î±-induced Apoptosis by Impaired NF-ÎºB Signaling and Target Gene Expression. Journal of Biological Chemistry, 2005, 280, 5994-6004.	3.4	77
128	Suppression of Map Kinases Inhibits Microglial Activation and Attenuates Neuronal Cell Death Induced by Î±-Synuclein Protofibrils. International Journal of Immunopathology and Pharmacology, 2009, 22, 897-909.	2.1	76
129	Real-time Transcriptional Profiling of Cellular and Viral Gene Expression during Lytic Cytomegalovirus Infection. PLoS Pathogens, 2012, 8, e1002908.	4.7	76
130	Bacterial sensing via neuronal Nod2 regulates appetite and body temperature. Science, 2022, 376, eabj3986.	12.6	76
131	RNAi screening identifies mediators of NOD2 signaling: Implications for spatial specificity of MDP recognition. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21426-21431.	7.1	75
132	A Novel Eukaryotic Denitrification Pathway in Foraminifera. Current Biology, 2018, 28, 2536-2543.e5.	3.9	75
133	Genetic Modification of Hearing in Tubby Mice: Evidence for the Existence of a Major Gene (moth1) Which Protects Tubby Mice from Hearing Loss. Human Molecular Genetics, 1999, 8, 1761-1767.	2.9	74
134	Genetic Evidence for PLASMINOGEN as a Shared Genetic Risk Factor of Coronary Artery Disease and Periodontitis. Circulation: Cardiovascular Genetics, 2015, 8, 159-167.	5.1	74
135	Optic nerve regeneration after intravitreal peripheral nerve implants: trajectories of axons regrowing through the optic chiasm into the optic tracts. Journal of Neurocytology, 1999, 28, 721-741.	1.5	73
136	Epigenetic dynamics of monocyte-to-macrophage differentiation. Epigenetics and Chromatin, 2016, 9, 33.	3.9	73
137	Activating Transcription Factor 6 Mediates Inflammatory Signals in Intestinal Epithelial Cells Upon Endoplasmic Reticulum Stress. Gastroenterology, 2020, 159, 1357-1374.e10.	1.3	73
138	DSS-induced acute colitis in C57BL/6 mice is mitigated by sulforaphane pre-treatment. Journal of Nutritional Biochemistry, 2013, 24, 2085-2091.	4.2	72
139	Towards a molecular risk mapâ€"Recent advances on the etiology of inflammatory bowel disease. Seminars in Immunology, 2009, 21, 334-345.	5.6	70
140	Absence of major histocompatibility complex class II mediated immunity in pipefish, Syngnathus typhle : evidence from deep transcriptome sequencing. Biology Letters, 2013, 9, 20130044.	2.3	70
141	NOD-like receptors and human diseases. Microbes and Infection, 2007, 9, 648-657.	1.9	69
142	Evolution and Function of Innate Immune Receptors â€“ Insights from Marine Invertebrates. Journal of Innate Immunity, 2009, 1, 291-300.	3.8	69
143	Biophysical and Population Genetic Models Predict the Presence of â€œPhantomâ€•Stepping Stones Connecting Mid-Atlantic Ridge Vent Ecosystems. Current Biology, 2016, 26, 2257-2267.	3.9	69
144	Identification and characterization of two functional variants in the human longevity gene FOXO3. Nature Communications, 2017, 8, 2063.	12.8	69

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145	Targeted Microbiome Intervention by Microencapsulated Delayed-Release Niacin Beneficially Affects Insulin Sensitivity in Humans. Diabetes Care, 2018, 41, 398-405.	8.6	69
146	Dietary tryptophan links encephalogenicity of autoreactive T cells with gut microbial ecology. Nature Communications, 2019, 10, 4877.	12.8	69
147	Hostâ€“Pathogen Coevolution: The Selective Advantage of Bacillus thuringiensis Virulence and Its Cry Toxin Genes. PLoS Biology, 2015, 13, e1002169.	5.6	69
148	Increased intestinal permeability and tight junction disruption by altered expression and localization of occludin in a murine graft versus host disease model. BMC Gastroenterology, 2011, 11, 109.	2.0	68
149	Apomictic and Sexual Germline Development Differ with Respect to Cell Cycle, Transcriptional, Hormonal and Epigenetic Regulation. PLoS Genetics, 2014, 10, e1004476.	3.5	68
150	Recent transfer of an iron-regulated gene from the plastid to the nuclear genome in an oceanic diatom adapted to chronic iron limitation. BMC Genomics, 2010, 11, 718.	2.8	67
151	ADAM17 is required for EGF-Râ€“induced intestinal tumors via IL-6 trans-signaling. Journal of Experimental Medicine, 2018, 215, 1205-1225.	8.5	63
152	Interferon Lambda Promotes Paneth Cell Death Via STAT1 Signaling in Mice and Is Increased in Inflamed Ileal Tissues of Patients With Crohnâ€™s Disease. Gastroenterology, 2019, 157, 1310-1322.e13.	1.3	63
153	Coagulation and inflammation. Hamostaseologie, 2011, 31, 94-104.	1.9	62
154	The expression of the Î²-defensins hBD-2 and hBD-3 is differentially regulated by NF-ÎºB and MAPK/AP-1 pathways in an in vitro model of Candida esophagitis. BMC Immunology, 2009, 10, 36.	2.2	61
155	Effects of Î²-Lactam Antibiotics and Fluoroquinolones on Human Gut Microbiota in Relation to Clostridium difficile Associated Diarrhea. PLoS ONE, 2014, 9, e89417.	2.5	61
156	Oral immune priming with Bacillus thuringiensis induces a shift in the gene expression of Tribolium castaneum larvae. BMC Genomics, 2017, 18, 329.	2.8	61
157	Infection routes matter in population-specific responses of the red flour beetle to the entomopathogen Bacillus thuringiensis. BMC Genomics, 2014, 15, 445.	2.8	60
158	Evolutionary stability of collateral sensitivity to antibiotics in the model pathogen Pseudomonas aeruginosa. ELife, 2019, 8, .	6.0	59
159	DMBT1 functions as patternâ€recognition molecule for polyâ€sulfated and polyâ€phosphorylated ligands. European Journal of Immunology, 2009, 39, 833-842.	2.9	58
160	A genome-wide association study reveals evidence of association with sarcoidosis at 6p12.1. European Respiratory Journal, 2011, 38, 1127-1135.	6.7	58
161	NOD-like receptors: Ancient sentinels of the innate immune system. Cellular and Molecular Life Sciences, 2008, 65, 1361-1377.	5.4	57
162	The German Mouse Clinic: A Platform for Systemic Phenotype Analysis of Mouse Models. Current Pharmaceutical Biotechnology, 2009, 10, 236-243.	1.6	56

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163	A dietary flavone confers communicable protection against colitis through NLRP6 signaling independently of inflammasome activation. Mucosal Immunology, 2018, 11, 811-819.	6.0	55
164	Radiotherapy orchestrates natural killer cell dependent antitumor immune responses through CXCL8. Science Advances, 2022, 8, eabh4050.	10.3	55
165	High-resolution mapping of the 8p23.1 beta-defensin cluster reveals strictly concordant copy number variation of all genes. Human Mutation, 2008, 29, 1247-1254.	2.5	53
166	Association of inflammatory bowel disease risk loci with sarcoidosis, and its acute and chronic subphenotypes. European Respiratory Journal, 2011, 37, 610-616.	6.7	53
167	Species-Specific Viromes in the Ancestral Holobiont Hydra. PLoS ONE, 2014, 9, e109952.	2.5	53
168	Autophagy of Intestinal Epithelial Cells Inhibits Colorectal Carcinogenesis Induced by Colibactin-Producing Escherichia coli in Apc Mice. Gastroenterology, 2020, 158, 1373-1388.	1.3	53
169	Transgenic and Infectious Animal Models of HIV-Associated Nephropathy. Journal of the American Society of Nephrology: JASN, 2009, 20, 2296-2304.	6.1	52
170	Evolutionary Transition from Pathogenicity to Commensalism: Global Regulator Mutations Mediate Fitness Gains through Virulence Attenuation. Molecular Biology and Evolution, 2015, 32, 2883-2896.	8.9	52
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