

Mihai M Netea

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.

372
papers

42,821
citations

102
h-index

202
g-index

414
ext. papers

56,398
ext. citations

14.5
avg, IF

7.78
L-index

#	Paper	IF	Citations
372	Immune modulatory effects of progesterone on oxLDL-induced trained immunity in monocytes.. <i>Journal of Leukocyte Biology</i> , 2022 ,	6.5	1
371	Protection against tuberculosis by Bacillus Calmette-Guérin (BCG) vaccination: A historical perspective.. <i>Med</i> , 2022 , 3, 6-24	31.7	0
370	A guide to immunotherapy for COVID-19.. <i>Nature Medicine</i> , 2022 ,	50.5	27
369	Reply to: Lack of evidence for intergenerational inheritance of immune resistance to infectionsS. <i>Nature Immunology</i> , 2022 ,	19.1	1
368	Single-cell RNA sequencing reveals induction of distinct trained immunity programs in human monocytes.. <i>Journal of Clinical Investigation</i> , 2022 ,	15.9	2
367	BCG-induced trained immunity enhances acellular pertussis vaccination responses in an explorative randomized clinical trial.. <i>Npj Vaccines</i> , 2022 , 7, 21	9.5	1
366	Development and validation of SCOPE score: A clinical score to predict COVID-19 pneumonia progression to severe respiratory failure.. <i>Cell Reports Medicine</i> , 2022 , 3, 100560	18	3
365	Evolutionary Trajectories of Complex Traits in European Populations of Modern Humans.. <i>Frontiers in Genetics</i> , 2022 , 13, 833190	4.5	
364	BCG vaccination provides protection against IAV but not SARS-CoV-2.. <i>Cell Reports</i> , 2022 , 110502	10.6	4
363	Multi-Omics Integration Reveals Only Minor Long-Term Molecular and Functional Sequelae in Immune Cells of Individuals Recovered From COVID-19.. <i>Frontiers in Immunology</i> , 2022 , 13, 838132	8.4	0
362	Bone marrow transplantation induces changes in the gut microbiota that chronically increase the cytokine response pattern of splenocytes.. <i>Scientific Reports</i> , 2022 , 12, 6883	4.9	
361	Maladaptive innate immune training of myelopoiesis links inflammatory comorbidities.. <i>Cell</i> , 2022 ,	56.2	6
360	Validation and functional characterization of GWAS-identified variants for chronic lymphocytic leukemia: a CRUCIAL study.. <i>Blood Cancer Journal</i> , 2022 , 12, 79	7	
359	Trained immunity: implications for vaccination. <i>Current Opinion in Immunology</i> , 2022 , 77, 102190	7.8	2
358	Trained Immunity in Atherosclerotic Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 62-69	9.4	14
357	SARS-CoV-2 Omicron Mutation Is Faster than the Chase: Multiple Mutations on Spike/ACE2 Interaction Residues.. <i>Immune Network</i> , 2021 , 21, e38	6.1	7
356	oxLDL-Induced Trained Immunity Is Dependent on Mitochondrial Metabolic Reprogramming 2021 , 3, e210025		5

355	IL-1 family cytokines as drivers and inhibitors of trained immunity. <i>Cytokine</i> , 2021 , 150, 155773	4	8
354	An integrative genomics approach identifies KDM4 as a modulator of trained immunity. <i>European Journal of Immunology</i> , 2021 ,	6.1	1
353	Single-cell transcriptomic profiles reveal changes associated with BCG-induced trained immunity and protective effects in circulating monocytes. <i>Cell Reports</i> , 2021 , 37, 110028	10.6	3
352	Trained innate immunity, long-lasting epigenetic modulation, and skewed myelopoiesis by heme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
351	Transmission of trained immunity and heterologous resistance to infections across generations. <i>Nature Immunology</i> , 2021 , 22, 1382-1390	19.1	19
350	Induction of trained immunity by influenza vaccination - impact on COVID-19. <i>PLoS Pathogens</i> , 2021 , 17, e1009928	7.6	12
349	Validation of GWAS-Identified Variants for Anti-TNF Drug Response in Rheumatoid Arthritis: A Meta-Analysis of Two Large Cohorts. <i>Frontiers in Immunology</i> , 2021 , 12, 672255	8.4	1
348	Trained Immunity: Long-Term Adaptation in Innate Immune Responses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 55-61	9.4	6
347	A modular approach toward producing nanotherapeutics targeting the innate immune system. <i>Science Advances</i> , 2021 , 7,	14.3	9
346	The Association of TSH and Thyroid Hormones With Lymphopenia in Bacterial Sepsis and COVID-19. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 1994-2009	5.6	5
345	induction of trained immunity in adherent human monocytes. <i>STAR Protocols</i> , 2021 , 2, 100365	1.4	9
344	An open label trial of anakinra to prevent respiratory failure in COVID-19. <i>ELife</i> , 2021 , 10,	8.9	57
343	Resolving trained immunity with systems biology. <i>European Journal of Immunology</i> , 2021 , 51, 773-784	6.1	6
342	Analysis of HLA gene polymorphisms in East Africans reveals evidence of gene flow in two Semitic populations from Sudan. <i>European Journal of Human Genetics</i> , 2021 , 29, 1259-1271	5.3	0
341	Glutathione Metabolism Contributes to the Induction of Trained Immunity. <i>Cells</i> , 2021 , 10,	7.9	8
340	Chronic HIV infection induces transcriptional and functional reprogramming of innate immune cells. <i>JCI Insight</i> , 2021 , 6,	9.9	12
339	Trained Immunity: Reprogramming Innate Immunity in Health and Disease. <i>Annual Review of Immunology</i> , 2021 , 39, 667-693	34.7	40
338	Conceptualization of population-specific human functional immune-genomics projects to identify factors that contribute to variability in immune and infectious diseases. <i>Heliyon</i> , 2021 , 7, e06755	3.6	1

337	The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021 , 35, 108955	10.6	20
336	Swarm Learning for decentralized and confidential clinical machine learning. <i>Nature</i> , 2021 , 594, 265-270	50.4	89
335	Adult-onset autoinflammation caused by somatic mutations in UBA1: A Dutch case series of patients with VEXAS. <i>Journal of Allergy and Clinical Immunology</i> , 2021 ,	11.5	20
334	Impact of rare and common genetic variation in the interleukin-1 pathway on human cytokine responses. <i>Genome Medicine</i> , 2021 , 13, 94	14.4	1
333	Genetic Variation in PFKFB3 Impairs Antifungal Immunometabolic Responses and Predisposes to Invasive Pulmonary Aspergillosis. <i>MBio</i> , 2021 , 12, e0036921	7.8	1
332	Old vaccines for new infections: Exploiting innate immunity to control COVID-19 and prevent future pandemics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	29
331	Oncogene-induced maladaptive activation of trained immunity in the pathogenesis and treatment of Erdheim-Chester disease. <i>Blood</i> , 2021 , 138, 1554-1569	2.2	2
330	Immune memory in individuals with COVID-19. <i>Nature Cell Biology</i> , 2021 , 23, 582-584	23.4	4
329	Altered Cytokine Responses in Children With Asymptomatic Infection in Burkina Faso: An Additional Argument to Treat Asymptomatic Malaria?. <i>Frontiers in Immunology</i> , 2021 , 12, 614817	8.4	1
328	BCG turns 100: its nontraditional uses against viruses, cancer, and immunologic diseases. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	10
327	Increased sTREM-1 plasma concentrations are associated with poor clinical outcomes in patients with COVID-19. <i>Bioscience Reports</i> , 2021 , 41,	4.1	4
326	Assessing the effect of BCG revaccination on long-term mortality. <i>Lancet Infectious Diseases</i> , 2021 , 21, 1481-1483	25.5	1
325	Coronavirus Disease 2019 as Cause of Viral Sepsis: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2021 , 49, 2042-2057	1.4	9
324	Immunometabolic control of trained immunity. <i>Molecular Aspects of Medicine</i> , 2021 , 77, 100897	16.7	23
323	Complement Activation in the Disease Course of Coronavirus Disease 2019 and Its Effects on Clinical Outcomes. <i>Journal of Infectious Diseases</i> , 2021 , 223, 214-224	7	37
322	The Intersection of Epigenetics and Metabolism in Trained Immunity. <i>Immunity</i> , 2021 , 54, 32-43	32.3	33
321	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , 2021 , 22, 2-6	19.1	85
320	The impact of the Fungus-Host-Microbiota interplay upon <i>Candida albicans</i> infections: current knowledge and new perspectives. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	31

3 ¹⁹	Cerebrospinal fluid IL-1βs elevated in tuberculous meningitis patients but not associated with mortality. <i>Tuberculosis</i> , 2021 , 126, 102019	2.6	3
3 ¹⁸	Reduced concentrations of the B cell cytokine interleukin 38 are associated with cardiovascular disease risk in overweight subjects. <i>European Journal of Immunology</i> , 2021 , 51, 662-671	6.1	12
3 ¹⁷	A higher BMI is not associated with a different immune response and disease course in critically ill COVID-19 patients. <i>International Journal of Obesity</i> , 2021 , 45, 687-694	5.5	14
3 ¹⁶	Comparative host transcriptome in response to pathogenic fungi identifies common and species-specific transcriptional antifungal host response pathways. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 647-663	6.8	4
3 ¹⁵	Postinfectious Epigenetic Immune Modifications - A Double-Edged Sword. <i>New England Journal of Medicine</i> , 2021 , 384, 261-270	59.2	12
3 ¹⁴	An integrative model of cardiometabolic traits identifies two types of metabolic syndrome. <i>ELife</i> , 2021 , 10,	8.9	1
3 ¹³	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. <i>Genome Medicine</i> , 2021 , 13, 7	14.4	73
3 ¹²	BCG vaccination in health care providers and the protection against COVID-19. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	15
3 ¹¹	IL-38 prevents induction of trained immunity by inhibition of mTOR signaling. <i>Journal of Leukocyte Biology</i> , 2021 , 110, 907-915	6.5	9
3 ¹⁰	Thyrotrophin and thyroxine support immune homeostasis in humans. <i>Immunology</i> , 2021 , 163, 155-168	7.8	5
3 ⁰⁹	Urban living in healthy Tanzanians is associated with an inflammatory status driven by dietary and metabolic changes. <i>Nature Immunology</i> , 2021 , 22, 287-300	19.1	13
3 ⁰⁸	Dysregulated Innate and Adaptive Immune Responses Discriminate Disease Severity in COVID-19. <i>Journal of Infectious Diseases</i> , 2021 , 223, 1322-1333	7	24
3 ⁰⁷	Human Newborn Monocytes Demonstrate Distinct BCG-Induced Primary and Trained Innate Cytokine Production and Metabolic Activation. <i>Frontiers in Immunology</i> , 2021 , 12, 674334	8.4	3
3 ⁰⁶	Integration of metabolomics, genomics, and immune phenotypes reveals the causal roles of metabolites in disease. <i>Genome Biology</i> , 2021 , 22, 198	18.3	6
3 ⁰⁵	Seasonal and Nonseasonal Longitudinal Variation of Immune Function. <i>Journal of Immunology</i> , 2021 , 207, 696-708	5.3	5
3 ⁰⁴	An Explorative Study on Monocyte Reprogramming in the Context of Periodontitis and. <i>Frontiers in Immunology</i> , 2021 , 12, 695227	8.4	2
3 ⁰³	Gut microbiome-mediated metabolism effects on immunity in rural and urban African populations. <i>Nature Communications</i> , 2021 , 12, 4845	17.4	4
3 ⁰²	Association Between Administration of IL-6 Antagonists and Mortality Among Patients Hospitalized for COVID-19: A Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 499-518	27.4	154

301	The role of sirtuin 1 on the induction of trained immunity. <i>Cellular Immunology</i> , 2021 , 366, 104393	4.4	1
300	The Immunological Factors Predisposing to Severe Covid-19 Are Already Present in Healthy Elderly and Men. <i>Frontiers in Immunology</i> , 2021 , 12, 720090	8.4	2
299	Invasive pulmonary aspergillosis associated with viral pneumonitis. <i>Current Opinion in Microbiology</i> , 2021 , 62, 21-27	7.9	8
298	The epigenetic ghost of infections past. <i>Nature Reviews Immunology</i> , 2021 , 21, 622-623	36.5	0
297	Trained Immunity as a Preventive Measure for Surgical Site Infections. <i>Clinical Microbiology Reviews</i> , 2021 , e0004921	34	3
296	Evolution of cytokine production capacity in ancient and modern European populations. <i>ELife</i> , 2021 , 10,	8.9	7
295	Early treatment of COVID-19 with anakinra guided by soluble urokinase plasminogen receptor plasma levels: a double-blind, randomized controlled phase 3 trial. <i>Nature Medicine</i> , 2021 , 27, 1752-1760	50.5	93
294	The role of IL-32 in Bacillus Calmette-Guérin (BCG)-induced trained immunity in infections caused by different Leishmania spp. <i>Microbial Pathogenesis</i> , 2021 , 158, 105088	3.8	2
293	Hyperglycemia Induces Trained Immunity in Macrophages and Their Precursors and Promotes Atherosclerosis. <i>Circulation</i> , 2021 , 144, 961-982	16.7	18
292	The influence of the gut microbiome on BCG-induced trained immunity. <i>Genome Biology</i> , 2021 , 22, 275	18.3	3
291	100 years of Mycobacterium bovis bacille Calmette-Guérin. <i>Lancet Infectious Diseases</i> , 2021 ,	25.5	13
290	Interferon gamma immunotherapy in five critically ill COVID-19 patients with impaired cellular immunity: A case series. <i>Med</i> , 2021 , 2, 1163-1170.e2	31.7	7
289	Effect of anakinra on mortality in patients with COVID-19: a systematic review and patient-level meta-analysis. <i>Lancet Rheumatology</i> , 2021 , 3, e690-e697	14.2	38
288	Lysine methyltransferase G9a is an important modulator of trained immunity. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1253	6.8	7
287	Stronger induction of trained immunity by mucosal BCG or MTBVAC vaccination compared to standard intradermal vaccination. <i>Cell Reports Medicine</i> , 2021 , 2, 100185	18	16
286	Interacting, Nonspecific, Immunological Effects of Bacille Calmette-Guérin and Tetanus-diphtheria-pertussis Inactivated Polio Vaccinations: An Explorative, Randomized Trial. <i>Clinical Infectious Diseases</i> , 2020 , 70, 455-463	11.6	25
285	Anakinra treatment in critically ill COVID-19 patients: a prospective cohort study. <i>Critical Care</i> , 2020 , 24, 688	10.8	56
284	CRELD1 modulates homeostasis of the immune system in mice and humans. <i>Nature Immunology</i> , 2020 , 21, 1517-1527	19.1	3

283	Trained Immunity: a Tool for Reducing Susceptibility to and the Severity of SARS-CoV-2 Infection. <i>Cell</i> , 2020 , 181, 969-977	56.2	237
282	BCG-induced trained immunity: can it offer protection against COVID-19?. <i>Nature Reviews Immunology</i> , 2020 , 20, 335-337	36.5	256
281	Phagosomal removal of fungal melanin reprograms macrophage metabolism to promote antifungal immunity. <i>Nature Communications</i> , 2020 , 11, 2282	17.4	29
280	Favorable Anakinra Responses in Severe Covid-19 Patients with Secondary Hemophagocytic Lymphohistiocytosis. <i>Cell Host and Microbe</i> , 2020 , 28, 117-123.e1	23.4	158
279	Acromegaly, inflammation and cardiovascular disease: a review. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2020 , 21, 547-568	10.5	9
278	βGlucan Induces Protective Trained Immunity against Mycobacterium tuberculosis Infection: A Key Role for IL-1. <i>Cell Reports</i> , 2020 , 31, 107634	10.6	61
277	Roles of Trained Immunity in the Pathogenesis of Cholangiopathies: A Therapeutic Target. <i>Hepatology</i> , 2020 , 72, 1838-1850	11.2	8
276	A Potential Role for Epigenetically Mediated Trained Immunity in Food Allergy. <i>iScience</i> , 2020 , 23, 101174.1	11.1	12
275	Sex-Specific Regulation of Inflammation and Metabolic Syndrome in Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1787-1800	9.4	29
274	Deconvolution of bulk blood eQTL effects into immune cell subpopulations. <i>BMC Bioinformatics</i> , 2020 , 21, 243	3.6	15
273	BCG Vaccination in Humans Elicits Trained Immunity via the Hematopoietic Progenitor Compartment. <i>Cell Host and Microbe</i> , 2020 , 28, 322-334.e5	23.4	119
272	The effect of BCG vaccination on alveolar macrophages obtained from induced sputum from healthy volunteers. <i>Cytokine</i> , 2020 , 133, 155135	4	3
271	Two Randomized Controlled Trials of Bacillus Calmette-Guérin Vaccination to reduce absenteeism among health care workers and hospital admission by elderly persons during the COVID-19 pandemic: A structured summary of the study protocols for two randomised controlled trials. <i>Trials</i> , 2020 , 21, 481	2.8	19
270	NFKB2 polymorphisms associate with the risk of developing rheumatoid arthritis and response to TNF inhibitors: Results from the REPAIR consortium. <i>Scientific Reports</i> , 2020 , 10, 4316	4.9	7
269	Defining trained immunity and its role in health and disease. <i>Nature Reviews Immunology</i> , 2020 , 20, 375-388	38.5	587
268	BCG-Induced Trained Immunity in Healthy Individuals: The Effect of Plasma Muramyl Dipeptide Concentrations. <i>Journal of Immunology Research</i> , 2020 , 2020, 5812743	4.5	15
267	Primary immunodeficiencies in cytosolic pattern-recognition receptor pathways: Toward host-directed treatment strategies. <i>Immunological Reviews</i> , 2020 , 297, 247-272	11.3	6
266	Recent Common Origin, Reduced Population Size, and Marked Admixture Have Shaped European Roma Genomes. <i>Molecular Biology and Evolution</i> , 2020 , 37, 3175-3187	8.3	4

265	Trained Immunity: Linking Obesity and Cardiovascular Disease across the Life-Course?. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 378-389	8.8	25
264	<i>Borrelia burgdorferi</i> hijacks cellular metabolism of immune cells: Consequences for host defense. <i>Ticks and Tick-borne Diseases</i> , 2020 , 11, 101386	3.6	7
263	A joint effort: The interplay between the innate and the adaptive immune system in Lyme arthritis. <i>Immunological Reviews</i> , 2020 , 294, 63-79	11.3	5
262	Advances in understanding molecular regulation of innate immune memory. <i>Current Opinion in Cell Biology</i> , 2020 , 63, 68-75	9	28
261	Neonatal BCG Vaccination Reduces Interferon- γ Responsiveness to Heterologous Pathogens in Infants From a Randomized Controlled Trial. <i>Journal of Infectious Diseases</i> , 2020 , 221, 1999-2009	7	12
260	Licensed Bacille Calmette-Guérin (BCG) formulations differ markedly in bacterial viability, RNA content and innate immune activation. <i>Vaccine</i> , 2020 , 38, 2229-2240	4.1	37
259	Immune recognition of putative alien microbial structures: Host-pathogen interactions in the age of space travel. <i>PLoS Pathogens</i> , 2020 , 16, e1008153	7.6	4
258	Rewiring of glucose metabolism defines trained immunity induced by oxidized low-density lipoprotein. <i>Journal of Molecular Medicine</i> , 2020 , 98, 819-831	5.5	29
257	Considering BCG vaccination to reduce the impact of COVID-19. <i>Lancet, The</i> , 2020 , 395, 1545-1546	40	210
256	Involvement of Lactate and Pyruvate in the Anti-Inflammatory Effects Exerted by Voluntary Activation of the Sympathetic Nervous System. <i>Metabolites</i> , 2020 , 10,	5.6	3
255	Designing the Next Generation of Vaccines: Relevance for Future Pandemics. <i>MBio</i> , 2020 , 11,	7.8	5
254	Circadian rhythm influences induction of trained immunity by BCG vaccination. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5603-5617	15.9	36
253	BCG vaccination in humans inhibits systemic inflammation in a sex-dependent manner. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5591-5602	15.9	44
252	Kallikrein-kinin blockade in patients with COVID-19 to prevent acute respiratory distress syndrome. <i>ELife</i> , 2020 , 9,	8.9	174
251	Reprogramming of bone marrow myeloid progenitor cells in patients with severe coronary artery disease. <i>ELife</i> , 2020 , 9,	8.9	5
250	Biomarkers of inflammation and the etiology of sepsis. <i>Biochemical Society Transactions</i> , 2020 , 48, 1-14	5.1	31
249	The role of Toll-like receptor 10 in modulation of trained immunity. <i>Immunology</i> , 2020 , 159, 289-297	7.8	14
248	Oral butyrate does not affect innate immunity and islet autoimmunity in individuals with longstanding type 1 diabetes: a randomised controlled trial. <i>Diabetologia</i> , 2020 , 63, 597-610	10.3	26

247	Trained Immunity Confers Broad-Spectrum Protection Against Bacterial Infections. <i>Journal of Infectious Diseases</i> , 2020 , 222, 1869-1881	7	39
246	Deletion of haematopoietic Dectin-2 or CARD9 does not protect from atherosclerosis development under hyperglycaemic conditions. <i>Diabetes and Vascular Disease Research</i> , 2020 , 17, 1479164119892140 ³³	3.3	2
245	Genetic and Microbial Associations to Plasma and Fecal Bile Acids in Obesity Relate to Plasma Lipids and Liver Fat Content. <i>Cell Reports</i> , 2020 , 33, 108212	10.6	22
244	Metformin enhances anti-mycobacterial responses by educating CD8+ T-cell immunometabolic circuits. <i>Nature Communications</i> , 2020 , 11, 5225	17.4	15
243	Activate: Randomized Clinical Trial of BCG Vaccination against Infection in the Elderly. <i>Cell</i> , 2020 , 183, 315-323.e9	56.2	131
242	The shaping of immunological responses through natural selection after the Roma Diaspora. <i>Scientific Reports</i> , 2020 , 10, 16134	4.9	1
241	Safety and COVID-19 Symptoms in Individuals Recently Vaccinated with BCG: a Retrospective Cohort Study. <i>Cell Reports Medicine</i> , 2020 , 1, 100073	18	46
240	Trained immunity as a molecular mechanism for BCG immunotherapy in bladder cancer. <i>Nature Reviews Urology</i> , 2020 , 17, 513-525	5.5	33
239	Distinct inactivated bacterial-based immune modulators vary in their therapeutic efficacies for treating disease based on the organ site of pathology. <i>Scientific Reports</i> , 2020 , 10, 5901	4.9	2
238	BCG Vaccination Induces Long-Term Functional Reprogramming of Human Neutrophils. <i>Cell Reports</i> , 2020 , 33, 108387	10.6	50
237	Hydroxychloroquine Inhibits the Trained Innate Immune Response to Interferons. <i>Cell Reports Medicine</i> , 2020 , 1, 100146	18	13
236	Controlled Human Malaria Infection Induces Long-Term Functional Changes in Monocytes. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 604553	5.6	5
235	Key recent advances in TB vaccine development and understanding of protective immune responses against <i>Mycobacterium tuberculosis</i> . <i>Seminars in Immunology</i> , 2020 , 50, 101431	10.7	11
234	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020 , 587, 377-386	50.4	56
233	Overcoming immune dysfunction in the elderly: trained immunity as a novel approach. <i>International Immunology</i> , 2020 , 32, 741-753	4.9	18
232	Gut microbial co-abundance networks show specificity in inflammatory bowel disease and obesity. <i>Nature Communications</i> , 2020 , 11, 4018	17.4	25
231	Presence of Genetic Variants Among Young Men With Severe COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 663-673	27.4	375
230	Outcomes Associated With Use of a Kinin B2 Receptor Antagonist Among Patients With COVID-19. <i>JAMA Network Open</i> , 2020 , 3, e2017708	10.4	37

229	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. <i>Cell</i> , 2020 , 183, 771-785.e12	56.2	86
228	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020 , 183, 786-801.e19	56.2	42
227	Enhanced lipid biosynthesis in human tumor-induced macrophages contributes to their protumoral characteristics 2020 , 8,		16
226	Trained Innate Immunity, Epigenetics, and Covid-19. <i>New England Journal of Medicine</i> , 2020 , 383, 1078-1080	19.0	73
225	Transcriptional and functional insights into the host immune response against the emerging fungal pathogen <i>Candida auris</i> . <i>Nature Microbiology</i> , 2020 , 5, 1516-1531	26.6	36
224	Maternal Priming: Bacillus Calmette-Guérin (BCG) Vaccine Scarring in Mothers Enhances the Survival of Their Child With a BCG Vaccine Scar. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020 , 9, 166-172	4.8	32
223	Trained immunity in organ transplantation. <i>American Journal of Transplantation</i> , 2020 , 20, 10-18	8.7	32
222	The Set7 Lysine Methyltransferase Regulates Plasticity in Oxidative Phosphorylation Necessary for Trained Immunity Induced by β -Glucan. <i>Cell Reports</i> , 2020 , 31, 107548	10.6	34
221	Complex Immune Dysregulation in COVID-19 Patients with Severe Respiratory Failure. <i>Cell Host and Microbe</i> , 2020 , 27, 992-1000.e3	23.4	1175
220	New live attenuated tuberculosis vaccine MTBVAC induces trained immunity and confers protection against experimental lethal pneumonia. <i>PLoS Pathogens</i> , 2020 , 16, e1008404	7.6	34
219	Trained immunity as a novel approach against COVID-19 with a focus on Bacillus Calmette-Guérin vaccine: mechanisms, challenges and perspectives. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1228	6.8	20
218	β -Glucan-Induced Trained Immunity Protects against <i>Leishmania braziliensis</i> Infection: a Crucial Role for IL-32. <i>Cell Reports</i> , 2019 , 28, 2659-2672.e6	10.6	54
217	Immune cell characteristics and cytokine responses in adult HIV-negative tuberculous meningitis: an observational cohort study. <i>Scientific Reports</i> , 2019 , 9, 884	4.9	19
216	Effects of oral butyrate supplementation on inflammatory potential of circulating peripheral blood mononuclear cells in healthy and obese males. <i>Scientific Reports</i> , 2019 , 9, 775	4.9	51
215	Effect of PTEN inactivating germline mutations on innate immune cell function and thyroid cancer-induced macrophages in patients with PTEN hamartoma tumor syndrome. <i>Oncogene</i> , 2019 , 38, 3743-3755	9.2	14
214	Interplay between thyroid cancer cells and macrophages: effects on IL-32 mediated cell death and thyroid cancer cell migration. <i>Cellular Oncology (Dordrecht)</i> , 2019 , 42, 691-703	7.2	5
213	Exome sequencing in routine diagnostics: a generic test for 254 patients with primary immunodeficiencies. <i>Genome Medicine</i> , 2019 , 11, 38	14.4	27
212	Bromodomain inhibitor I-BET151 suppresses immune responses during fungal-immune interaction. <i>European Journal of Immunology</i> , 2019 , 49, 2044-2050	6.1	17

211	The influence of neonatal Bacille Calmette-Guérin (BCG) immunisation on heterologous vaccine responses in infants. <i>Vaccine</i> , 2019 , 37, 3735-3744	4.1	15
210	Treatment with Statins Does Not Revert Trained Immunity in Patients with Familial Hypercholesterolemia. <i>Cell Metabolism</i> , 2019 , 30, 1-2	24.6	78
209	Antibody neutralization of microbiota-derived circulating peptidoglycan dampens inflammation and ameliorates autoimmunity. <i>Nature Microbiology</i> , 2019 , 4, 766-773	26.6	37
208	Deletion of hematopoietic Dectin-2 or CARD9 does not protect against atherosclerotic plaque formation in hyperlipidemic mice. <i>Scientific Reports</i> , 2019 , 9, 4337	4.9	6
207	Therapeutic targeting of trained immunity. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 553-566	64.1	169
206	Gut Microbial Associations to Plasma Metabolites Linked to Cardiovascular Phenotypes and Risk. <i>Circulation Research</i> , 2019 , 124, 1808-1820	15.7	77
205	Outcomes of controlled human malaria infection after BCG vaccination. <i>Nature Communications</i> , 2019 , 10, 874	17.4	87
204	Metformin Alters Human Host Responses to Mycobacterium tuberculosis in Healthy Subjects. <i>Journal of Infectious Diseases</i> , 2019 , 220, 139-150	7	46
203	Long-term reprogramming of the innate immune system. <i>Journal of Leukocyte Biology</i> , 2019 , 105, 329-338	38.5	77
202	Predicting bacterial infection outcomes using single cell RNA-sequencing analysis of human immune cells. <i>Nature Communications</i> , 2019 , 10, 3266	17.4	28
201	Steroid hormone-related polymorphisms associate with the development of bone erosions in rheumatoid arthritis and help to predict disease progression: Results from the REPAIR consortium. <i>Scientific Reports</i> , 2019 , 9, 14812	4.9	4
200	Causal relationships among the gut microbiome, short-chain fatty acids and metabolic diseases. <i>Nature Genetics</i> , 2019 , 51, 600-605	36.3	378
199	BCG vaccination is associated with reduced malaria prevalence in children under the age of 5 years in sub-Saharan Africa. <i>BMJ Global Health</i> , 2019 , 4, e001862	6.6	20
198	Induction of innate immune memory: the role of cellular metabolism. <i>Current Opinion in Immunology</i> , 2019 , 56, 10-16	7.8	56
197	Innate and Adaptive Immune Memory: an Evolutionary Continuum in the Host's Response to Pathogens. <i>Cell Host and Microbe</i> , 2019 , 25, 13-26	23.4	171
196	PTEN Hamartoma Tumor Syndrome and Immune Dysregulation. <i>Translational Oncology</i> , 2019 , 12, 361-367	7.9	24
195	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. <i>Cell Metabolism</i> , 2019 , 29, 211-220.e5	24.6	141
194	Recognition of DHN-melanin by a C-type lectin receptor is required for immunity to <i>Aspergillus</i> . <i>Nature</i> , 2018 , 555, 382-386	50.4	107

193	Innate immune memory: An evolutionary perspective. <i>Immunological Reviews</i> , 2018 , 283, 21-40	11.3	98
192	Neonatal BCG Vaccination Influences Cytokine Responses to Toll-like Receptor Ligands and Heterologous Antigens. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1798-1808	7	52
191	Trained Innate Immunity as a Novel Mechanism Linking Infection and the Development of Atherosclerosis. <i>Circulation Research</i> , 2018 , 122, 664-669	15.7	70
190	Metabolic Induction of Trained Immunity through the Mevalonate Pathway. <i>Cell</i> , 2018 , 172, 135-146.e9	56.2	314
189	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. <i>Cell</i> , 2018 , 172, 147-161.e12	56.2	417
188	Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming. <i>Cell</i> , 2018 , 172, 162-175.e14	56.2	435
187	The role of the interleukin-1 family in trained immunity. <i>Immunological Reviews</i> , 2018 , 281, 28-39	11.3	67
186	Cutting Edge: Induces Trained Innate Immunity. <i>Journal of Immunology</i> , 2018 , 200, 1243-1248	5.3	57
185	BCG Vaccination Protects against Experimental Viral Infection in Humans through the Induction of Cytokines Associated with Trained Immunity. <i>Cell Host and Microbe</i> , 2018 , 23, 89-100.e5	23.4	537
184	Metabolic changes in tumor cells and tumor-associated macrophages: A mutual relationship. <i>Cancer Letters</i> , 2018 , 413, 102-109	9.9	143
183	The effects of signal transducer and activator of transcription three mutations on human platelets. <i>Platelets</i> , 2018 , 29, 602-609	3.6	1
182	Identification of Discriminating Metabolic Pathways and Metabolites in Human PBMCs Stimulated by Various Pathogenic Agents. <i>Frontiers in Physiology</i> , 2018 , 9, 139	4.6	2
181	The Potential Role of Trained Immunity in Autoimmune and Autoinflammatory Disorders. <i>Frontiers in Immunology</i> , 2018 , 9, 298	8.4	92
180	Patient Susceptibility to Candidiasis-A Potential for Adjunctive Immunotherapy. <i>Journal of Fungi (Basel, Switzerland)</i> , 2018 , 4,	5.6	11
179	Non-specific effects of vaccines: Current evidence and potential implications. <i>Seminars in Immunology</i> , 2018 , 39, 35-43	10.7	117
178	Epigenetics and Trained Immunity. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1023-1040	8.4	115
177	Trained Immunity and Local Innate Immune Memory in the Lung. <i>Cell</i> , 2018 , 175, 1463-1465	56.2	32
176	The Inter-Relationship of Platelets with Interleukin-1 Mediated Inflammation in Humans. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 2112-2125	7	19

175	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. <i>Immunity</i> , 2018 , 49, 819-828.e6	32.3	95
174	Genetic variant in IL-32 is associated with the ex vivo cytokine production of anti-TNF treated PBMCs from rheumatoid arthritis patients. <i>Scientific Reports</i> , 2018 , 8, 14050	4.9	8
173	Individual variations in cardiovascular-disease-related protein levels are driven by genetics and gut microbiome. <i>Nature Genetics</i> , 2018 , 50, 1524-1532	36.3	54
172	Trained Immunity Characteristics Are Associated With Progressive Cerebral Small Vessel Disease. <i>Stroke</i> , 2018 , 49, 2910-2917	6.7	25
171	Mycobacterial growth inhibition is associated with trained innate immunity. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1837-1851	15.9	96
170	Integration of multi-omics data and deep phenotyping enables prediction of cytokine responses. <i>Nature Immunology</i> , 2018 , 19, 776-786	19.1	63
169	Environmental Signals Influencing Myeloid Cell Metabolism and Function in Diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2018 , 29, 468-480	8.8	9
168	Cellular metabolism of myeloid cells in sepsis. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 151-164	6.5	54
167	IL-32 promoter SNP rs4786370 predisposes to modified lipoprotein profiles in patients with rheumatoid arthritis. <i>Scientific Reports</i> , 2017 , 7, 41629	4.9	16
166	Trained Immunity: An Ancient Way of Remembering. <i>Cell Host and Microbe</i> , 2017 , 21, 297-300	23.4	147
165	The immunopathology of sepsis and potential therapeutic targets. <i>Nature Reviews Immunology</i> , 2017 , 17, 407-420	36.5	671
164	Uric acid priming in human monocytes is driven by the AKT-PRAS40 autophagy pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5485-5490	11.5	59
163	Clinical Parameters, Routine Inflammatory Markers, and LTA4H Genotype as Predictors of Mortality Among 608 Patients With Tuberculous Meningitis in Indonesia. <i>Journal of Infectious Diseases</i> , 2017 , 215, 1029-1039	7	64
162	Anti-mycobacterial activity correlates with altered DNA methylation pattern in immune cells from BCG-vaccinated subjects. <i>Scientific Reports</i> , 2017 , 7, 12305	4.9	58
161	Hypothesis: stimulation of trained immunity as adjunctive immunotherapy in cancer. <i>Journal of Leukocyte Biology</i> , 2017 , 102, 1323-1332	6.5	24
160	Rewiring monocyte glucose metabolism via C-type lectin signaling protects against disseminated candidiasis. <i>PLoS Pathogens</i> , 2017 , 13, e1006632	7.6	46
159	<i>Aspergillus fumigatus</i> morphology and dynamic host interactions. <i>Nature Reviews Microbiology</i> , 2017 , 15, 661-674	22.2	208
158	A guiding map for inflammation. <i>Nature Immunology</i> , 2017 , 18, 826-831	19.1	284

157	Cellular metabolism of tumor-associated macrophages - functional impact and consequences. <i>FEBS Letters</i> , 2017 , 591, 3022-3041	3.8	31
156	Specific and Complex Reprogramming of Cellular Metabolism in Myeloid Cells during Innate Immune Responses. <i>Cell Metabolism</i> , 2017 , 26, 142-156	24.6	88
155	The Human Cell Atlas. <i>ELife</i> , 2017 , 6,	8.9	937
154	BMT decreases HFD-induced weight gain associated with decreased preadipocyte number and insulin secretion. <i>PLoS ONE</i> , 2017 , 12, e0175524	3.7	6
153	Origins, admixture and founder lineages in European Roma. <i>European Journal of Human Genetics</i> , 2016 , 24, 937-43	5.3	28
152	Suppression of monosodium urate crystal-induced cytokine production by butyrate is mediated by the inhibition of class I histone deacetylases. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 593-600	2.4	65
151	Microbial stimulation of different Toll-like receptor signalling pathways induces diverse metabolic programmes in human monocytes. <i>Nature Microbiology</i> , 2016 , 2, 16246	26.6	157
150	Diabetes propels the risk for cardiovascular disease: sweet monocytes becoming aggressive?. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 4675-4684	10.3	39
149	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. <i>Cell Metabolism</i> , 2016 , 24, 807-819	24.6	398
148	Rewiring cellular metabolism via the AKT/mTOR pathway contributes to host defence against Mycobacterium tuberculosis in human and murine cells. <i>European Journal of Immunology</i> , 2016 , 46, 2574-2586	6.1	87
147	Genomic analysis of Andamanese provides insights into ancient human migration into Asia and adaptation. <i>Nature Genetics</i> , 2016 , 48, 1066-70	36.3	88
146	In Vitro Experimental Model of Trained Innate Immunity in Human Primary Monocytes. <i>Vaccine Journal</i> , 2016 , 23, 926-933		154
145	β-Glucan Reverses the Epigenetic State of LPS-Induced Immunological Tolerance. <i>Cell</i> , 2016 , 167, 1354-1368	56.2	1483
144	Differential Effects of Environmental and Genetic Factors on T and B Cell Immune Traits. <i>Cell Reports</i> , 2016 , 17, 2474-2487	10.6	100
143	Functional and Genomic Architecture of Borrelia burgdorferi-Induced Cytokine Responses in Humans. <i>Cell Host and Microbe</i> , 2016 , 20, 822-833	23.4	27
142	Innate immune cell activation and epigenetic remodeling in symptomatic and asymptomatic atherosclerosis in humans in vivo. <i>Atherosclerosis</i> , 2016 , 254, 228-236	3.1	99
141	A Functional Genomics Approach to Understand Variation in Cytokine Production in Humans. <i>Cell</i> , 2016 , 167, 1099-1110.e14	56.2	163
140	Host and Environmental Factors Influencing Individual Human Cytokine Responses. <i>Cell</i> , 2016 , 167, 1111-1124.e14	56.2	163

139	Linking the Human Gut Microbiome to Inflammatory Cytokine Production Capacity. <i>Cell</i> , 2016 , 167, 1125-1136. doi:10.1016/j.cell.2016.08.017	5.8	36
138	Soluble uric acid primes TLR-induced proinflammatory cytokine production by human primary cells via inhibition of IL-1Ra. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 755-62	2.4	122
137	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. <i>Nature Immunology</i> , 2016 , 17, 406-13	19.1	304
136	Aspergillus Cell Wall Melanin Blocks LC3-Associated Phagocytosis to Promote Pathogenicity. <i>Cell Host and Microbe</i> , 2016 , 19, 79-90	23.4	127
135	Diabetes Mellitus and Increased Tuberculosis Susceptibility: The Role of Short-Chain Fatty Acids. <i>Journal of Diabetes Research</i> , 2016 , 2016, 6014631	3.9	54
134	Inter-individual variability and genetic influences on cytokine responses to bacteria and fungi. <i>Nature Medicine</i> , 2016 , 22, 952-60	50.5	106
133	Medical mycology and fungal immunology: new research perspectives addressing a major world health challenge. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	36
132	Immunometabolic Pathways in BCG-Induced Trained Immunity. <i>Cell Reports</i> , 2016 , 17, 2562-2571	10.6	299
131	The Role of Dectin-2 for Host Defense Against Disseminated Candidiasis. <i>Journal of Interferon and Cytokine Research</i> , 2016 , 36, 267-76	3.5	33
130	Trained immunity: A program of innate immune memory in health and disease. <i>Science</i> , 2016 , 352, aaf10983	99.3	1204
129	Population-based metagenomics analysis reveals markers for gut microbiome composition and diversity. <i>Science</i> , 2016 , 352, 565-9	33.3	929
128	Transcriptional and metabolic reprogramming induce an inflammatory phenotype in non-medullary thyroid carcinoma-induced macrophages. <i>Oncotarget</i> , 2016 , 7, e1229725	7.2	67
127	Immunometabolic circuits in trained immunity. <i>Seminars in Immunology</i> , 2016 , 28, 425-430	10.7	111
126	The effect of host genetics on the gut microbiome. <i>Nature Genetics</i> , 2016 , 48, 1407-1412	36.3	434
125	Mortality in children with complicated severe acute malnutrition is related to intestinal and systemic inflammation: an observational cohort study. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 1441-1449	7	76
124	Understanding human immune function using the resources from the Human Functional Genomics Project. <i>Nature Medicine</i> , 2016 , 22, 831-3	50.5	43
123	Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans. <i>Circulation</i> , 2016 , 134, 611-24	16.7	257
122	The epigenetic memory of monocytes and macrophages as a novel drug target in atherosclerosis. <i>Clinical Therapeutics</i> , 2015 , 37, 914-23	3.5	40

121	Trained innate immunity as underlying mechanism for the long-term, nonspecific effects of vaccines. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 347-56	6.5	134
120	Vitamin A induces inhibitory histone methylation modifications and down-regulates trained immunity in human monocytes. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 129-36	6.5	42
119	BCG Vaccination Enhances the Immunogenicity of Subsequent Influenza Vaccination in Healthy Volunteers: A Randomized, Placebo-Controlled Pilot Study. <i>Journal of Infectious Diseases</i> , 2015 , 212, 1930-8	7	134
118	Variation of growth in the production of the BCG vaccine and the association with the immune response. An observational study within a randomised trial. <i>Vaccine</i> , 2015 , 33, 2056-65	4.1	22
117	Long-term in vitro and in vivo effects of irradiated BCG on innate and adaptive immunity. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 995-1001	6.5	50
116	Immune defence against <i>Candida</i> fungal infections. <i>Nature Reviews Immunology</i> , 2015 , 15, 630-42	36.5	283
115	<i>Borrelia</i> -induced cytokine production is mediated by spleen tyrosine kinase (Syk) but is Dectin-1 and Dectin-2 independent. <i>Cytokine</i> , 2015 , 76, 465-472	4	11
114	Heterologous immunological effects of early BCG vaccination in low-birth-weight infants in Guinea-Bissau: a randomized-controlled trial. <i>Journal of Infectious Diseases</i> , 2015 , 211, 956-67	7	118
113	An anti-inflammatory property of <i>Candida albicans</i> β -glucan: Induction of high levels of interleukin-1 receptor antagonist via a Dectin-1/CR3 independent mechanism. <i>Cytokine</i> , 2015 , 71, 215-224	4	33
112	The genetics of East African populations: a Nilo-Saharan component in the African genetic landscape. <i>Scientific Reports</i> , 2015 , 5, 9996	4.9	21
111	Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European. <i>Nature</i> , 2014 , 507, 225-8	50.4	235
110	Convergent evolution in European and Roma populations reveals pressure exerted by plague on Toll-like receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2668-73	11.5	64
109	The bacteriome-mycobiome interaction and antifungal host defense. <i>European Journal of Immunology</i> , 2014 , 44, 3182-91	6.1	74
108	BCG-induced trained immunity in NK cells: Role for non-specific protection to infection. <i>Clinical Immunology</i> , 2014 , 155, 213-9	9	248
107	Human TLR10 is an anti-inflammatory pattern-recognition receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4478-84	11.5	168
106	Epigenetic programming of monocyte-to-macrophage differentiation and trained innate immunity. <i>Science</i> , 2014 , 345, 1251086	33.3	870
105	The interplay between central metabolism and innate immune responses. <i>Cytokine and Growth Factor Reviews</i> , 2014 , 25, 707-13	17.9	58
104	Interferon-gamma as adjunctive immunotherapy for invasive fungal infections: a case series. <i>BMC Infectious Diseases</i> , 2014 , 14, 166	4	147

103	mTOR- and HIF-1 β -mediated aerobic glycolysis as metabolic basis for trained immunity. <i>Science</i> , 2014 , 345, 1250684	33.3	1020
102	Oxidized low-density lipoprotein induces long-term proinflammatory cytokine production and foam cell formation via epigenetic reprogramming of monocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1731-8	9.4	312
101	Long-lasting effects of BCG vaccination on both heterologous Th1/Th17 responses and innate trained immunity. <i>Journal of Innate Immunity</i> , 2014 , 6, 152-8	6.9	324
100	Autophagy controls BCG-induced trained immunity and the response to intravesical BCG therapy for bladder cancer. <i>PLoS Pathogens</i> , 2014 , 10, e1004485	7.6	117
99	A polysaccharide virulence factor from <i>Aspergillus fumigatus</i> elicits anti-inflammatory effects through induction of Interleukin-1 receptor antagonist. <i>PLoS Pathogens</i> , 2014 , 10, e1003936	7.6	97
98	BCG-induced protection: effects on innate immune memory. <i>Seminars in Immunology</i> , 2014 , 26, 512-7	10.7	91
97	Trained immunity or tolerance: opposing functional programs induced in human monocytes after engagement of various pattern recognition receptors. <i>Vaccine Journal</i> , 2014 , 21, 534-45		170
96	Skin microbiome imbalance in patients with STAT1/STAT3 defects impairs innate host defense responses. <i>Journal of Innate Immunity</i> , 2014 , 6, 253-62	6.9	67
95	The Interleukin-1 Family 2014 , 3-51		4
94	Dectin-1 plays a redundant role in the immunomodulatory activities of β -glucan-rich ligands in vivo. <i>Microbes and Infection</i> , 2013 , 15, 511-5	9.3	45
93	Training innate immunity: the changing concept of immunological memory in innate host defence. <i>European Journal of Clinical Investigation</i> , 2013 , 43, 881-4	4.6	103
92	The IL-36 receptor pathway regulates <i>Aspergillus fumigatus</i> -induced Th1 and Th17 responses. <i>European Journal of Immunology</i> , 2013 , 43, 416-26	6.1	77
91	A small jab - a big effect: nonspecific immunomodulation by vaccines. <i>Trends in Immunology</i> , 2013 , 34, 431-9	14.4	315
90	Chocolate consumption modulates cytokine production in healthy individuals. <i>Cytokine</i> , 2013 , 62, 40-3	4	9
89	Differential adaptation of <i>Candida albicans</i> in vivo modulates immune recognition by dectin-1. <i>PLoS Pathogens</i> , 2013 , 9, e1003315	7.6	145
88	Trained innate immunity and atherosclerosis. <i>Current Opinion in Lipidology</i> , 2013 , 24, 487-92	4.4	43
87	A promoter polymorphism in human interleukin-32 modulates its expression and influences the risk and the outcome of epithelial cell-derived thyroid carcinoma. <i>Carcinogenesis</i> , 2013 , 34, 1529-35	4.6	28
86	Hidden killers: human fungal infections. <i>Science Translational Medicine</i> , 2012 , 4, 165rv13	17.5	2294

85	Reconstructing the population history of European Romani from genome-wide data. <i>Current Biology</i> , 2012 , 22, 2342-9	6.3	73
84	<i>Candida albicans</i> infection affords protection against reinfection via functional reprogramming of monocytes. <i>Cell Host and Microbe</i> , 2012 , 12, 223-32	23.4	654
83	Bacille Calmette-Guerin induces NOD2-dependent nonspecific protection from reinfection via epigenetic reprogramming of monocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17537-42	11.5	919
82	The role of autophagy in host defence against Mycobacterium tuberculosis infection. <i>Tuberculosis</i> , 2012 , 92, 388-96	2.6	70
81	Combination of biomarkers for the discrimination between bacterial and viral lower respiratory tract infections. <i>Journal of Infection</i> , 2012 , 65, 490-5	18.9	38
80	Reversal of immunoparalysis in humans in vivo: a double-blind, placebo-controlled, randomized pilot study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 838-45	10.2	165
79	Murine <i>Borrelia</i> arthritis is highly dependent on ASC and caspase-1, but independent of NLRP3. <i>Arthritis Research and Therapy</i> , 2012 , 14, R247	5.7	16
78	Genetic variation in Toll-like receptors and disease susceptibility. <i>Nature Immunology</i> , 2012 , 13, 535-42	19.1	259
77	IL-18 serum concentration is markedly elevated in acute EBV infection and can serve as a marker for disease severity. <i>Journal of Infectious Diseases</i> , 2012 , 206, 197-201	7	34
76	IL-38 binds to the IL-36 receptor and has biological effects on immune cells similar to IL-36 receptor antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3001-5	11.5	242
75	The effect of the ATG16L1 Thr300Ala polymorphism on susceptibility and outcome of patients with epithelial cell-derived thyroid carcinoma. <i>Endocrine-Related Cancer</i> , 2012 , 19, L15-8	5.7	26
74	<i>Candida albicans</i> morphogenesis and host defence: discriminating invasion from colonization. <i>Nature Reviews Microbiology</i> , 2011 , 10, 112-22	22.2	538
73	Immunodeficiency and genetic defects of pattern-recognition receptors. <i>New England Journal of Medicine</i> , 2011 , 364, 60-70	59.2	75
72	STAT1 mutations in autosomal dominant chronic mucocutaneous candidiasis. <i>New England Journal of Medicine</i> , 2011 , 365, 54-61	59.2	505
71	Trained immunity: a memory for innate host defense. <i>Cell Host and Microbe</i> , 2011 , 9, 355-61	23.4	810
70	Inflammasome-independent modulation of cytokine response by autophagy in human cells. <i>PLoS ONE</i> , 2011 , 6, e18666	3.7	146
69	Genetic adaptation of the antibacterial human innate immunity network. <i>BMC Evolutionary Biology</i> , 2011 , 11, 202	3	20
68	<i>Borrelia</i> species induce inflammasome activation and IL-17 production through a caspase-1-dependent mechanism. <i>European Journal of Immunology</i> , 2011 , 41, 172-81	6.1	33

67	Inflammasome is a central player in the induction of obesity and insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15324-9	11.5	509
66	Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. <i>Gut</i> , 2011 , 60, 1229-35	19.2	146
65	Inflammation-dependent secretion and splicing of IL-32{gamma} in rheumatoid arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4962-7	11.5	85
64	Innate immune recognition of Mycobacterium tuberculosis. <i>Clinical and Developmental Immunology</i> , 2011 , 2011, 405310		280
63	Role of interleukin-23 (IL-23) receptor signaling for IL-17 responses in human Lyme disease. <i>Infection and Immunity</i> , 2011 , 79, 4681-7	3.7	32
62	TLR1/TLR2 heterodimers play an important role in the recognition of Borrelia spirochetes. <i>PLoS ONE</i> , 2011 , 6, e25998	3.7	37
61	Toll-Like Receptors and Inflammasomes 2011 , 123-132		5
60	The effect of the interleukin-1 cytokine family members IL-1F6 and IL-1F8 on adipocyte differentiation. <i>Obesity</i> , 2010 , 18, 2234-6	8	32
59	IL-1 family nomenclature. <i>Nature Immunology</i> , 2010 , 11, 973	19.1	236
58	Recognition of Borrelia burgdorferi by NOD2 is central for the induction of an inflammatory reaction. <i>Journal of Infectious Diseases</i> , 2010 , 201, 1849-58	7	57
57	Host Genomics and Bacterial Infections 2010 , 744-759		
56	Variable recognition of Candida albicans strains by TLR4 and lectin recognition receptors. <i>Medical Mycology</i> , 2010 , 48, 897-903	3.9	55
55	Evolutionary and functional analysis of celiac risk loci reveals SH2B3 as a protective factor against bacterial infection. <i>American Journal of Human Genetics</i> , 2010 , 86, 970-7	11	130
54	Engagement of fatty acids with Toll-like receptor 2 drives interleukin-1β production via the ASC/caspase 1 pathway in monosodium urate monohydrate crystal-induced gouty arthritis. <i>Arthritis and Rheumatism</i> , 2010 , 62, 3237-48		208
53	Host Genomics and Bacterial Infections 2009 , 1347-1361		
52	The tetraspanin protein CD37 regulates IgA responses and anti-fungal immunity. <i>PLoS Pathogens</i> , 2009 , 5, e1000338	7.6	60
51	Early stop polymorphism in human DECTIN-1 is associated with increased candida colonization in hematopoietic stem cell transplant recipients. <i>Clinical Infectious Diseases</i> , 2009 , 49, 724-32	11.6	204
50	Transcriptional and inflammasome-mediated pathways for the induction of IL-1β production by Mycobacterium tuberculosis. <i>European Journal of Immunology</i> , 2009 , 39, 1914-22	6.1	59

49	Inflammatory arthritis in caspase 1 gene-deficient mice: contribution of proteinase 3 to caspase 1-independent production of bioactive interleukin-1beta. <i>Arthritis and Rheumatism</i> , 2009 , 60, 3651-62		239
48	The macrophage mannose receptor induces IL-17 in response to <i>Candida albicans</i> . <i>Cell Host and Microbe</i> , 2009 , 5, 329-40	23.4	271
47	Human dectin-1 deficiency and mucocutaneous fungal infections. <i>New England Journal of Medicine</i> , 2009 , 361, 1760-7	59.2	573
46	Differential requirement for the activation of the inflammasome for processing and release of IL-1beta in monocytes and macrophages. <i>Blood</i> , 2009 , 113, 2324-35	2.2	599
45	Cytokine production from stimulated whole blood cultures in rheumatoid arthritis patients treated with various TNF blocking agents. <i>European Cytokine Network</i> , 2009 , 20, 88-93	3.3	15
44	Circulating lipoproteins are a crucial component of host defense against invasive <i>Salmonella typhimurium</i> infection. <i>PLoS ONE</i> , 2009 , 4, e4237	3.7	17
43	An integrated model of the recognition of <i>Candida albicans</i> by the innate immune system. <i>Nature Reviews Microbiology</i> , 2008 , 6, 67-78	22.2	679
42	Dectin-1 synergizes with TLR2 and TLR4 for cytokine production in human primary monocytes and macrophages. <i>Cellular Microbiology</i> , 2008 , 10, 2058-66	3.9	261
41	Host-microbe interactions: innate pattern recognition of fungal pathogens. <i>Current Opinion in Microbiology</i> , 2008 , 11, 305-12	7.9	126
40	Redundant role of TLR9 for anti- <i>Candida</i> host defense. <i>Immunobiology</i> , 2008 , 213, 613-20	3.4	39
39	Dendritic cell interaction with <i>Candida albicans</i> critically depends on N-linked mannan. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20590-9	5.4	174
38	Syk kinase is required for collaborative cytokine production induced through Dectin-1 and Toll-like receptors. <i>European Journal of Immunology</i> , 2008 , 38, 500-6	6.1	292
37	Role of TLR1 and TLR6 in the host defense against disseminated candidiasis. <i>FEMS Immunology and Medical Microbiology</i> , 2008 , 52, 118-23		75
36	Immune recognition of <i>Candida albicans</i> beta-glucan by dectin-1. <i>Journal of Infectious Diseases</i> , 2007 , 196, 1565-71	7	239
35	TLR4 polymorphisms, infectious diseases, and evolutionary pressure during migration of modern humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16645-50	11.5	261
34	<i>Plasmodium falciparum</i> infection causes proinflammatory priming of human TLR responses. <i>Journal of Immunology</i> , 2007 , 179, 162-71	5.3	92
33	Endogenous interleukin (IL)-1 alpha and IL-1 beta are crucial for host defense against disseminated candidiasis. <i>Journal of Infectious Diseases</i> , 2006 , 193, 1419-26	7	133
32	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, 1454-61	6.5	97

31	IL-32, a proinflammatory cytokine in rheumatoid arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3298-303	11.5	278
30	Nucleotide oligomerization domain 2 (Nod2) is not involved in the pattern recognition of <i>Candida albicans</i> . <i>Vaccine Journal</i> , 2006 , 13, 423-5		28
29	Toll-like receptor 2 controls expansion and function of regulatory T cells. <i>Journal of Clinical Investigation</i> , 2006 , 116, 485-94	15.9	583
28	Deficiency of interleukin-18 in mice leads to hyperphagia, obesity and insulin resistance. <i>Nature Medicine</i> , 2006 , 12, 650-6	50.5	314
27	Immune sensing of <i>Candida albicans</i> requires cooperative recognition of mannans and glucans by lectin and Toll-like receptors. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1642-50	15.9	548
26	Differential cytokine production and Toll-like receptor signaling pathways by <i>Candida albicans</i> blastoconidia and hyphae. <i>Infection and Immunity</i> , 2005 , 73, 7458-64	3.7	148
25	Toll-like receptor 2 suppresses immunity against <i>Candida albicans</i> through induction of IL-10 and regulatory T cells. <i>Journal of Immunology</i> , 2004 , 172, 3712-8	5.3	511
24	Toll-like receptors and the host defense against microbial pathogens: bringing specificity to the innate-immune system. <i>Journal of Leukocyte Biology</i> , 2004 , 75, 749-55	6.5	207
23	The C-type lectin DC-SIGN (CD209) is an antigen-uptake receptor for <i>Candida albicans</i> on dendritic cells. <i>European Journal of Immunology</i> , 2003 , 33, 532-8	6.1	298
22	The role of toll-like receptor (TLR) 2 and TLR4 in the host defense against disseminated candidiasis. <i>Journal of Infectious Diseases</i> , 2002 , 185, 1483-9	7	388
21	Role of interleukin-18 in host defense against disseminated <i>Candida albicans</i> infection. <i>Infection and Immunity</i> , 2002 , 70, 3284-6	3.7	46
20	An IFN-gamma-independent proinflammatory role of IL-18 in murine streptococcal cell wall arthritis. <i>Journal of Immunology</i> , 2000 , 165, 6553-8	5.3	103
19	Disease-specific ex vivo stimulation of whole blood for cytokine production: applications in the study of tuberculosis. <i>Journal of Immunological Methods</i> , 1999 , 222, 145-53	2.5	42
18	Increased soluble interleukin-2 receptor concentrations in patients with insulin-dependent diabetes mellitus. <i>Diabetic Medicine</i> , 1997 , 14, 168	3.5	1
17	Regulating trained immunity with nanomedicine. <i>Nature Reviews Materials</i> ,	73.3	13
16	The genetic risk for COVID-19 severity is associated with defective innate immune responses		1
15	Genomics of Mesolithic Scandinavia reveal colonization routes and high-latitude adaptation		2
14	COVID-19: A model correlating BCG vaccination to protection from mortality implicates trained immunity		7

13	Gene expression signatures identify biologically and clinically distinct tuberculosis endotypes	3
12	A systems approach to inflammation identifies therapeutic targets in SARS-CoV-2 infection	6
11	Hydroxychloroquine inhibits trained immunity ¶ Implications for COVID-19	3
10	Swarm Learning as a privacy-preserving machine learning approach for disease classification	3
9	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients	7
8	The effect of influenza vaccination on trained immunity: impact on COVID-19	12
7	Innate Immunity to Candida Infections 155-170	
6	IL-1 Mediates Tissue Specific Inflammation and Severe Respiratory Failure In Covid-19: Clinical And Experimental Evidence	2
5	Early Anakinra Treatment for COVID-19 Guided by Urokinase Plasminogen Receptor	4
4	Expansion of mutation-driven haematopoietic clones is associated with insulin resistance and low HDL-cholesterol in individuals with obesity	1
3	The BNT162b2 mRNA vaccine against SARS-CoV-2 reprograms both adaptive and innate immune responses	7
2	ACTIVATE-2: A DOUBLE-BLIND RANDOMIZED TRIAL OF BCG VACCINATION AGAINST COVID19 IN INDIVIDUALS AT RISK	12
1	ESCAPE: An Open-Label Trial of Personalized Immunotherapy in Critically Ill COVID-19 Patients	1