Inna G Ovsyannikova

List of Publications by Year
in descending order

173 papers	8,185 citations	34016 52 h-index	69108 77 g-index
174 all docs	174 docs citations	174 times ranked	10459 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 immunity: review and applications to phase 3 vaccine candidates. Lancet, The, 2020, 396, 1595-1606.	6.3	511
2	Immunosenescence and human vaccine immune responses. Immunity and Ageing, 2019, 16, 25.	1.8	323
3	Fine Mapping Causal Variants with an Approximate Bayesian Method Using Marginal Test Statistics. Genetics, 2015, 200, 719-736.	1.2	202
4	The role of host genetics in the immune response to SARSâ€CoVâ€2 and COVIDâ€19 susceptibility and severity. Immunological Reviews, 2020, 296, 205-219.	2.8	175
5	The weight of obesity on the human immune response to vaccination. Vaccine, 2015, 33, 4422-4429.	1.7	152
6	Associations between SNPs in toll-like receptors and related intracellular signaling molecules and immune responses to measles vaccine: Preliminary results. Vaccine, 2008, 26, 1731-1736.	1.7	137
7	Personalized vaccines: the emerging field of vaccinomics. Expert Opinion on Biological Therapy, 2008, 8, 1659-1667.	1.4	134
8	Understanding the immune response to seasonal influenza vaccination in older adults: a systems biology approach. Expert Review of Vaccines, 2012, 11, 985-994.	2.0	128
9	Development of vaccines against Zika virus. Lancet Infectious Diseases, The, 2018, 18, e211-e219.	4.6	125
10	Multicohort analysis reveals baseline transcriptional predictors of influenza vaccination responses. Science Immunology, 2017, 2, .	5.6	122
11	Application of pharmacogenomics to vaccines. Pharmacogenomics, 2009, 10, 837-852.	0.6	113
12	Vaccinomics, adversomics, and the immune response network theory: Individualized vaccinology in the 21st century. Seminars in Immunology, 2013, 25, 89-103.	2.7	113
13	Prevalence and Morbidity of Undiagnosed Celiac Disease From aÂCommunity-Based Study. Gastroenterology, 2017, 152, 830-839.e5.	0.6	110
14	Systems biology approaches to new vaccine development. Current Opinion in Immunology, 2011, 23, 436-443.	2.4	97
15	SARS-CoV-2 Vaccine Development: Current Status. Mayo Clinic Proceedings, 2020, 95, 2172-2188.	1.4	96
16	Identification of an association between HLA class II alleles and low antibody levels after measles immunization. Vaccine, 2001, 20, 430-438.	1.7	95
17	Trends affecting the future of vaccine development and delivery: The role of demographics, regulatory science, the anti-vaccine movement, and vaccinomics. Vaccine, 2009, 27, 3240-3244.	1.7	93
18	The immunology of smallpox vaccines. Current Opinion in Immunology, 2009, 21, 314-320.	2.4	92

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19	Immunogenetics of seasonal influenza vaccine response. Vaccine, 2008, 26, D35-D40.	1.7	91
20	Rubella vaccine-induced cellular immunity: evidence of associations with polymorphisms in the Toll-like, vitamin A and D receptors, and innate immune response genes. Human Genetics, 2010, 127, 207-221.	1.8	90
21	Vaccinomics and Personalized Vaccinology: Is Science Leading Us Toward a New Path of Directed Vaccine Development and Discovery?. PLoS Pathogens, 2011, 7, e1002344.	2.1	90
22	A systems biology approach to the effect of aging, immunosenescence and vaccine response. Current Opinion in Immunology, 2014, 29, 62-68.	2.4	87
23	Human Leukocyte Antigen Haplotypes in the Genetic Control of Immune Response to Measlesâ€Mumpsâ€Rubella Vaccine. Journal of Infectious Diseases, 2006, 193, 655-663.	1.9	86
24	Immunosenescence: A systems-level overview of immune cell biology and strategies for improving vaccine responses. Experimental Gerontology, 2019, 124, 110632.	1.2	86
25	Gender effects on humoral immune responses to smallpox vaccine. Vaccine, 2009, 27, 3319-3323.	1.7	85
26	The contribution of HLA class I antigens in immune status following two doses of rubella vaccination. Human Immunology, 2004, 65, 1506-1515.	1.2	83
27	Vaccinomics and a New Paradigm for the Development of Preventive Vaccines Against Viral Infections. OMICS A Journal of Integrative Biology, 2011, 15, 625-636.	1.0	82
28	The genetic basis for interindividual immune response variation to measles vaccine: new understanding and new vaccine approaches. Expert Review of Vaccines, 2013, 12, 57-70.	2.0	82
29	Frequency of Measles Virus-Specific CD4 + and CD8 + T Cells in Subjects Seronegative or Highly Seropositive for Measles Vaccine. Vaccine Journal, 2003, 10, 411-416.	3.2	81
30	Genome-wide association study of antibody response to smallpox vaccine. Vaccine, 2012, 30, 4182-4189.	1.7	80
31	Immunoinformatic identification of B cell and T cell epitopes in the SARS-CoV-2 proteome. Scientific Reports, 2020, 10, 14179.	1.6	80
32	Genome-wide analysis of polymorphisms associated with cytokine responses in smallpox vaccine recipients. Human Genetics, 2012, 131, 1403-1421.	1.8	75
33	The Impact of Immunosenescence on Humoral Immune Response Variation after Influenza A/H1N1 Vaccination in Older Subjects. PLoS ONE, 2015, 10, e0122282.	1.1	74
34	Associations between Measles Vaccine Immunity and Singleâ€Nucleotide Polymorphisms in Cytokine and Cytokine Receptor Genes. Journal of Infectious Diseases, 2007, 195, 21-29.	1.9	73
35	Human Leukocyte Antigen and Cytokine Receptor Gene Polymorphisms Associated With Heterogeneous Immune Responses to Mumps Viral Vaccine. Pediatrics, 2008, 121, e1091-e1099.	1.0	72
36	Zika Vaccine Development: Current Status. Mayo Clinic Proceedings, 2019, 94, 2572-2586.	1.4	69

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37	A large observational study to concurrently assess persistence of measles specific B-cell and T-cell immunity in individuals following two doses of MMR vaccine. Vaccine, 2011, 29, 4485-4491.	1.7	66
38	Adversomics: The Emerging Field of Vaccine Adverse Event Immunogenetics. Pediatric Infectious Disease Journal, 2009, 28, 431-432.	1.1	65
39	Genetic polymorphisms in host antiviral genes: Associations with humoral and cellular immunity to measles vaccine. Vaccine, 2011, 29, 8988-8997.	1.7	64
40	Human Leukocyte Antigen Class II Alleles and Rubellaâ€Specific Humoral and Cellâ€Mediated Immunity following Measlesâ€Mumpsâ€Rubellaâ€"II Vaccination. Journal of Infectious Diseases, 2005, 191, 515-519.	1.9	63
41	HLA supertypes and immune responses to measlesâ€"mumpsâ€"rubella viral vaccine: Findings and implications for vaccine design. Vaccine, 2007, 25, 3090-3100.	1.7	63
42	Vaccine immunogenetics: Bedside to bench to population. Vaccine, 2008, 26, 6183-6188.	1.7	63
43	Associations between single nucleotide polymorphisms and haplotypes in cytokine and cytokine receptor genes and immunity to measles vaccination. Vaccine, 2011, 29, 7883-7895.	1.7	62
44	Associations between race, sex and immune response variations to rubella vaccination in two independent cohorts. Vaccine, 2014, 32, 1946-1953.	1.7	62
45	Variations in measles vaccineâ€"specific humoral immunity by polymorphisms in SLAM and CD46 measles virus receptors. Journal of Allergy and Clinical Immunology, 2007, 120, 666-672.	1.5	61
46	Associations Between Demographic Variables and Multiple Measles-Specific Innate and Cell-Mediated Immune Responses After Measles Vaccination. Viral Immunology, 2012, 25, 29-36.	0.6	61
47	The role of polymorphisms in Toll-like receptors and their associated intracellular signaling genes in measles vaccine immunity. Human Genetics, 2011, 130, 547-61.	1.8	60
48	Leptin and leptin-related gene polymorphisms, obesity, and influenza A/H1N1 vaccine-induced immune responses in older individuals. Vaccine, 2014, 32, 881-887.	1.7	60
49	Variation in vaccine response in normal populations. Pharmacogenomics, 2004, 5, 417-427.	0.6	59
50	Genome-wide associations of CD46 and IFI44L genetic variants with neutralizing antibody response to measles vaccine. Human Genetics, 2017, 136, 421-435.	1.8	59
51	Polymorphisms in the Vitamin A Receptor and Innate Immunity Genes Influence the Antibody Response to Rubella Vaccination. Journal of Infectious Diseases, 2010, 201, 207-213.	1.9	58
52	The Association of CD46, SLAM and CD209 Cellular Receptor Gene SNPs with Variations in Measles Vaccine-Induced Immune Responses: A Replication Study and Examination of Novel Polymorphisms. Human Heredity, 2011, 72, 206-223.	0.4	58
53	Sex Differences in Older Adults' Immune Responses to Seasonal Influenza Vaccination. Frontiers in Immunology, 2019, 10, 180.	2.2	57
54	Cytokine production patterns and antibody response to measles vaccine. Vaccine, 2003, 21, 3946-3953.	1.7	56

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55	Associations between human leukocyte antigen (HLA) alleles and very high levels of measles antibody following vaccination. Vaccine, 2004, 22, 1914-1920.	1.7	53
56	System-Wide Associations between DNA-Methylation, Gene Expression, and Humoral Immune Response to Influenza Vaccination. PLoS ONE, 2016, 11, e0152034.	1.1	53
57	HLA class II alleles and measles virus-specific cytokine immune response following two doses of measles vaccine. Immunogenetics, 2005, 56, 798-807.	1.2	51
58	Variability in Humoral Immunity to Measles Vaccine: New Developments. Trends in Molecular Medicine, 2015, 21, 789-801.	3.5	51
59	Vaccinomics: Current Findings, Challenges and Novel Approaches for Vaccine Development. AAPS Journal, 2011, 13, 438-444.	2.2	49
60	Development of a Novel Efficient Fluorescence-Based Plaque Reduction Microneutralization Assay for Measles Virus Immunity. Vaccine Journal, 2008, 15, 1054-1059.	3.2	48
61	Race and sex-based differences in cytokine immune responses to smallpox vaccine in healthy individuals. Human Immunology, 2013, 74, 1263-1266.	1.2	48
62	Adversomics: a new paradigm for vaccine safety and design. Expert Review of Vaccines, 2015, 14, 935-947.	2.0	48
63	Genome-wide genetic associations with IFNÎ³ response to smallpox vaccine. Human Genetics, 2012, 131, 1433-1451.	1.8	47
64	Current Challenges in Vaccinology. Frontiers in Immunology, 2020, 11, 1181.	2.2	47
65	Replication of rubella vaccine population genetic studies: Validation of HLA genotype and humoral response associations. Vaccine, 2009, 27, 6926-6931.	1.7	45
66	SNP/haplotype associations in cytokine and cytokine receptor genes and immunity to rubella vaccine. Immunogenetics, 2010, 62, 197-210.	1.2	45
67	2â€²-5â€²-Oligoadenylate synthetase single-nucleotide polymorphisms and haplotypes are associated with variations in immune responses to rubella vaccine. Human Immunology, 2010, 71, 383-391.	1.2	45
68	Polymorphisms in HLA-DPB1 Are Associated With Differences in Rubella Virus-Specific Humoral Immunity After Vaccination. Journal of Infectious Diseases, 2015, 211, 898-905.	1.9	45
69	Consistency of HLA associations between two independent measles vaccine cohorts: A replication study. Vaccine, 2012, 30, 2146-2152.	1.7	44
70	Discovery of naturally processed and HLA-presented class I peptides from vaccinia virus infection using mass spectrometry for vaccine development. Vaccine, 2009, 28, 38-47.	1.7	43
71	Associations between Human Leukocyte Antigen Homozygosity and Antibody Levels to Measles Vaccine. Journal of Infectious Diseases, 2002, 185, 1545-1549.	1.9	40
72	Associations between SNPs in candidate immune-relevant genes and rubella antibody levels: a multigenic assessment. BMC Immunology, 2010, 11, 48.	0.9	40

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73	Immunosenescence-Related Transcriptomic and Immunologic Changes in Older Individuals Following Influenza Vaccination. Frontiers in Immunology, 2016, 7, 450.	2.2	40
74	Transcriptional signatures of influenza A/H1N1-specific IgG memory-like B cell response in older individuals. Vaccine, 2016, 34, 3993-4002.	1.7	39
75	Differential durability of immune responses to measles and mumps following MMR vaccination. Vaccine, 2019, 37, 1775-1784.	1.7	39
76	Current perspectives in assessing humoral immunity after measles vaccination. Expert Review of Vaccines, 2019, 18, 75-87.	2.0	39
77	Effects of vitamin A and D receptor gene polymorphisms/haplotypes on immune responses to measles vaccine. Pharmacogenetics and Genomics, 2012, 22, 20-31.	0.7	38
78	Immunologic significance of HLA class I genes in measles virus-specific IFN-Î³ and IL-4 cytokine immune responses. Immunogenetics, 2005, 57, 828-836.	1.2	37
79	Profiles of influenza A/H1N1 vaccine response using hemagglutination-inhibition titers. Human Vaccines and Immunotherapeutics, 2015, 11, 961-969.	1.4	37
80	Human leukocyte antigen polymorphisms: variable humoral immune responses to viral vaccines. Expert Review of Vaccines, 2006, 5, 33-43.	2.0	34
81	Common SNPs/Haplotypes in IL18R1 and IL18 Genes Are Associated With Variations in Humoral Immunity to Smallpox Vaccination in Caucasians and African Americans. Journal of Infectious Diseases, 2011, 204, 433-441.	1.9	34
82	Impact of cytokine and cytokine receptor gene polymorphisms on cellular immunity after smallpox vaccination. Gene, 2012, 510, 59-65.	1.0	34
83	Genome-wide SNP associations with rubella-specific cytokine responses in measles-mumps-rubella vaccine recipients. Immunogenetics, 2014, 66, 493-499.	1.2	34
84	Transcriptomic signatures of cellular and humoral immune responses in older adults after seasonal influenza vaccination identified by data-driven clustering. Scientific Reports, 2018, 8, 739.	1.6	34
85	Extended LTA, TNF, LST1 and HLA Gene Haplotypes and Their Association with Rubella Vaccine-Induced Immunity. PLoS ONE, 2010, 5, e11806.	1.1	34
86	Multigenic control of measles vaccine immunity mediated by polymorphisms in measles receptor, innate pathway, and cytokine genes. Vaccine, 2012, 30, 2159-2167.	1.7	33
87	Genome-Wide Characterization of Transcriptional Patterns in High and Low Antibody Responders to Rubella Vaccination. PLoS ONE, 2013, 8, e62149.	1.1	33
88	The role of mass spectrometry in vaccine development. Vaccine, 2001, 19, 2692-2700.	1.7	32
89	Correlates of lymphoproliferative responses to measles, mumps, and rubella (MMR) virus vaccines following MMR-II vaccination in healthy children. Clinical Immunology, 2005, 115, 154-161.	1.4	32
90	Granzyme B ELISPOT assay to measure influenza-specific cellular immunity. Journal of Immunological Methods, 2013, 398-399, 44-50.	0.6	32

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91	Identification and Characterization of Novel, Naturally Processed Measles Virus Class II HLA-DRB1 Peptides. Journal of Virology, 2004, 78, 42-51.	1.5	31
92	Relationship between HLA Polymorphisms and Gamma Interferon and Interleukin-10 Cytokine Production in Healthy Individuals after Rubella Vaccination. Vaccine Journal, 2007, 14, 115-122.	3.2	31
93	Influence of host genetic variation on rubella-specific T cell cytokine responses following rubella vaccination. Vaccine, 2009, 27, 3359-3366.	1.7	31
94	Human Leukocyte Antigen Genotypes in the Genetic Control of Adaptive Immune Responses to Smallpox Vaccine. Journal of Infectious Diseases, 2011, 203, 1546-1555.	1.9	31
95	Naturally processed measles virus peptide eluted from class II HLA-DRB1*03 recognized by T lymphocytes from human blood. Virology, 2003, 312, 495-506.	1.1	29
96	Integration of Immune Cell Populations, mRNA-Seq, and CpG Methylation to Better Predict Humoral Immunity to Influenza Vaccination: Dependence of mRNA-Seq/CpG Methylation on Immune Cell Populations. Frontiers in Immunology, 2017, 8, 445.	2.2	29
97	Predominant inflammatory cytokine secretion pattern in response to two doses of live rubella vaccine in healthy vaccinees. Cytokine, 2010, 50, 24-29.	1.4	28
98	Vaccinology in the third millennium: scientific and social challenges. Current Opinion in Virology, 2016, 17, 116-125.	2.6	28
99	High-Dimensional Gene Expression Profiling Studies in High and Low Responders to Primary Smallpox Vaccination. Journal of Infectious Diseases, 2012, 206, 1512-1520.	1.9	27
100	HLA alleles associated with the adaptive immune response to smallpox vaccine: a replication study. Human Genetics, 2014, 133, 1083-1092.	1.8	27
101	Identification of Class II HLA-DRB1*03-Bound Measles Virus Peptides by 2D-Liquid Chromatography Tandem Mass Spectrometry. Journal of Proteome Research, 2005, 4, 2243-2249.	1.8	26
102	Extinction of the Human Leukocyte Antigen Homozygosity Effect After Two Doses of the Measles-Mumps-Rubella Vaccine. Human Immunology, 2005, 66, 788-798.	1.2	26
103	Genetic polymorphisms associated with rubella virus-specific cellular immunity following MMR vaccination. Human Genetics, 2014, 133, 1407-1417.	1.8	26
104	Interleukin-4 induced by measles virus and measles-derived peptides as measured by IL-4 receptor-blocking ELISA. Journal of Immunological Methods, 2004, 287, 217-225.	0.6	25
105	Detection of Influenza A/H1N1-Specific Human IgG-Secreting B Cells in Older Adults by ELISPOT Assay. Viral Immunology, 2014, 27, 32-38.	0.6	25
106	Gene signatures related to HAI response following influenza A/H1N1 vaccine in older individuals. Heliyon, 2016, 2, e00098.	1.4	25
107	Accurate mass precursor ion data and tandem mass spectrometry identify a class I human leukocyte antigen A*0201-presented peptide originating from vaccinia virus. Journal of the American Society for Mass Spectrometry, 2005, 16, 1812-1817.	1.2	24
108	Associations between polymorphisms in the antiviral TRIM genes and measles vaccine immunity. Human Immunology, 2013, 74, 768-774.	1.2	24

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109	Genetically defined race, but not sex, is associated with higher humoral and cellular immune responses to measles vaccination. Vaccine, 2016, 34, 4913-4919.	1.7	24
110	Turkey Versus Guinea Pig Red Blood Cells: Hemagglutination Differences Alter Hemagglutination Inhibition Responses Against Influenza A/H1N1. Viral Immunology, 2014, 27, 174-178.	0.6	23
111	A large population-based association study between HLA and KIR genotypes and measles vaccine antibody responses. PLoS ONE, 2017, 12, e0171261.	1.1	23
112	Human Leukocyte Antigens and Cellular Immune Responses to Anthrax Vaccine Adsorbed. Infection and Immunity, 2013, 81, 2584-2591.	1.0	22
113	Studies of twins in vaccinology. Vaccine, 2007, 25, 3160-3164.	1.7	21
114	Polymorphisms in the Wilms Tumor Gene Are Associated With Interindividual Variations in Rubella Virusâ€"Specific Cellular Immunity After Measles-Mumps-Rubella II Vaccination. Journal of Infectious Diseases, 2018, 217, 560-566.	1.9	21
115	Differential miRNA expression in B cells is associated with inter-individual differences in humoral immune response to measles vaccination. PLoS ONE, 2018, 13, e0191812.	1.1	21
116	Human leukocyte antigen and interleukin 2, 10 and 12p40 cytokine responses to measles: Is there evidence of the HLA effect?. Cytokine, 2006, 36, 173-179.	1.4	20
117	Response surface methodology to determine optimal cytokine responses in human peripheral blood mononuclear cells after smallpox vaccination. Journal of Immunological Methods, 2009, 341, 97-105.	0.6	20
118	Characterization of humoral and cellular immunity to rubella vaccine in four distinct cohorts. Immunologic Research, 2014, 58, 1-8.	1.3	20
119	Single nucleotide polymorphisms/haplotypes associated with multiple rubella-specific immune response outcomes post-MMR immunization in healthy children. Immunogenetics, 2015, 67, 547-561.	1.2	20
120	Whole Transcriptome Profiling Identifies CD93 and Other Plasma Cell Survival Factor Genes Associated with Measles-Specific Antibody Response after Vaccination. PLoS ONE, 2016, 11, e0160970.	1.1	20
121	Detection of Measles Virus-Specific Interferon-Î³-Secreting T-Cells by ELISPOT. , 2005, 302, 207-218.		19
122	Single-nucleotide polymorphism associations in common with immune responses to measles and rubella vaccines. Immunogenetics, 2014, 66, 663-669.	1.2	19
123	The personal touch: strategies toward personalized vaccines and predicting immune responses to them. Expert Review of Vaccines, 2014, 13, 657-669.	2.0	19
124	HLA haplotype and supertype associations with cellular immune responses and cytokine production in healthy children after rubella vaccine. Vaccine, 2009, 27, 3349-3358.	1.7	18
125	Genetic Variation in IL18R1 and IL18 Genes and Inteferon Î³ ELISPOT Response to Smallpox Vaccination: An Unexpected Relationship. Journal of Infectious Diseases, 2013, 208, 1422-1430.	1.9	18
126	Cytokine production associated with smallpox vaccine responses. Immunotherapy, 2014, 6, 1097-1112.	1.0	18

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127	HLA genotypes and rubella vaccine immune response: Additional evidence. Vaccine, 2014, 32, 4206-4213.	1.7	18
128	The role of systems biology approaches in determining molecular signatures for the development of more effective vaccines. Expert Review of Vaccines, 2019, 18, 253-267.	2.0	18
129	Associations between Single Nucleotide Polymorphisms in Cellular Viral Receptors and Attachment Factor-Related Genes and Humoral Immunity to Rubella Vaccination. PLoS ONE, 2014, 9, e99997.	1.1	18
130	Human leukocyte antigen associations with humoral and cellular immunity following a second dose of measles-containing vaccine: Persistence, dampening, and extinction of associations found after a first dose. Vaccine, 2011, 29, 7982-7991.	1.7	17
131	Seroprevalence and durability of rubella virus antibodies in a highly immunized population. Vaccine, 2019, 37, 3876-3882.	1.7	17
132	Distinct Homologous and Variant-Specific Memory B-Cell and Antibody Response Over Time After Severe Acute Respiratory Syndrome Coronavirus 2 Messenger RNA Vaccination. Journal of Infectious Diseases, 2022, 226, 23-31.	1.9	17
133	HLA homozygosity does not adversely affect measles vaccine-induced cytokine responses. Virology, 2007, 364, 87-94.	1.1	16
134	Correlations Between Vaccinia-Specific Immune Responses Within a Cohort of Armed Forces Members. Viral Immunology, 2011, 24, 415-420.	0.6	16
135	Impaired innate, humoral, and cellular immunity despite a take in smallpox vaccine recipients. Vaccine, 2016, 34, 3283-3290.	1.7	16
136	Vitamin D, leptin and impact on immune response to seasonal influenza A/H1N1 vaccine in older persons. Human Vaccines and Immunotherapeutics, 2016, 12, 691-698.	1.4	16
137	Detection of Vaccinia Virus-Specific IFNÎ³ and IL-10 Secretion from Human PBMCs and CD8+ T Cells by ELISPOT. Methods in Molecular Biology, 2012, 792, 199-218.	0.4	16
138	Polymorphisms in STING Affect Human Innate Immune Responses to Poxviruses. Frontiers in Immunology, 2020, 11, 567348.	2.2	15
139	Differential cellular immune responses to wildâ€type and attenuated edmonston tag measles virus strains are primarily defined by the viral phosphoprotein gene. Journal of Medical Virology, 2010, 82, 1966-1975.	2.5	14
140	Independence of measles-specific humoral and cellular immune responses to vaccination. Human Immunology, 2012, 73, 474-479.	1.2	14
141	Rubella virus-specific humoral immune responses and their interrelationships before and after a third dose of measles-mumps-rubella vaccine in women of childbearing age. Vaccine, 2020, 38, 1249-1257.	1.7	14
142	Mumps virus-specific immune response outcomes and sex-based differences in a cohort of healthy adolescents. Clinical Immunology, 2022, 234, 108912.	1.4	14
143	Isolation and rapid identification of an abundant self-peptide from class II HLA-DRB1*0401 alleles induced by measles vaccine virus infection. Journal of Immunological Methods, 2000, 246, 1-12.	0.6	13
144	Effect of human leukocyte antigen homozygosity on rubella vaccineâ€"induced humoral and cell-mediated immune responses. Human Immunology, 2010, 71, 128-135.	1.2	13

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145	Heritability of vaccine-induced measles neutralizing antibody titers. Vaccine, 2017, 35, 1390-1394.	1.7	13
146	Identification of Th0 cells responding to measles virus. Human Immunology, 2005, 66, 104-115.	1.2	12
147	Replication of associations between cytokine and cytokine receptor single nucleotide polymorphisms and measles-specific adaptive immunophenotypic extremes. Human Immunology, 2012, 73, 636-640.	1.2	12
148	Importance of HLA-DQ and HLA-DP polymorphisms in cytokine responses to naturally processed HLA-DR-derived measles virus peptides. Vaccine, 2006, 24, 5381-5389.	1.7	11
149	Genetic basis for variation of vaccine response: our studies with rubella vaccine. Paediatrics and Child Health (United Kingdom), 2009, 19, S156-S159.	0.2	11
150	Profiling of Measles-Specific Humoral Immunity in Individuals Following Two Doses of MMR Vaccine Using Proteome Microarrays. Viruses, 2015, 7, 1113-1133.	1.5	11
151	Identification of HLA-DRB1-bound self-peptides following measles virus infection. Journal of Immunological Methods, 2005, 297, 153-167.	0.6	10
152	A Qualitative and Quantitative Comparison of Two Rubella Virus-Specific IgG Antibody Immunoassays. Viral Immunology, 2010, 23, 353-357.	0.6	10
153	Immune Activation at Effector and Gene Expression Levels After Measles Vaccination in Healthy Individuals: A Pilot Study. Human Immunology, 2005, 66, 1125-1136.	1.2	9
154	Identification of naturally processed Zika virus peptides by mass spectrometry and validation of memory T cell recall responses in Zika convalescent subjects. PLoS ONE, 2021, 16, e0252198.	1.1	9
155	Proteomic assessment of humoral immune responses in smallpox vaccine recipients. Vaccine, 2022, 40, 789-797.	1.7	9
156	The Integration of Epistasis Network and Functional Interactions in a GWAS Implicates RXR Pathway Genes in the Immune Response to Smallpox Vaccine. PLoS ONE, 2016, 11, e0158016.	1.1	8
157	Influence of HLA-DRB1 alleles on lymphoproliferative responses to a naturally processed and presented measles virus phosphoprotein in measles immunized individuals. Human Immunology, 2004, 65, 209-217.	1.2	7
158	Assessing participation bias in a population-based study of measles-mumps-rubella vaccine immunity in children and adolescents aged 12?18. Paediatric and Perinatal Epidemiology, 2007, 21, 376-384.	0.8	7
159	Durability of humoral immune responses to rubella following MMR vaccination. Vaccine, 2020, 38, 8185-8193.	1.7	7
160	Characterization of rubella-specific humoral immunity following two doses of MMR vaccine using proteome microarray technology. PLoS ONE, 2017, 12, e0188149.	1.1	6
161	Detection and Quantification of Influenza A/H1N1 Virus-Specific Memory B Cells in Human PBMCs Using ELISpot Assay. Methods in Molecular Biology, 2018, 1808, 221-236.	0.4	6
162	Associations between measles antibody levels and the protein structure of class II human leukocyte antigens. Human Immunology, 2003, 64, 696-707.	1.2	5

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163	Associations between markers of cellular and humoral immunity to rubella virus following a third dose of measles-mumps-rubella vaccine. Vaccine, 2020, 38, 7897-7904.	1.7	4
164	Pharmacogenomics and Vaccine Development. Clinical Pharmacology and Therapeutics, 2021, 110, 546-548.	2.3	4
165	Transcriptional signatures associated with rubella virusâ€specific humoral immunity after a third dose of MMR vaccine in women of childbearing age. European Journal of Immunology, 2021, 51, 1824-1838.	1.6	3
166	Update on Influenza Vaccines: Needs and Progress. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 3599-3603.	2.0	3
167	Soybean aeroallergen around the port of New Orleans: a potential cause of asthma. Aerobiologia, 1996, 12, 173-176.	0.7	2
168	Soybean aeroallergen around the port of New Orleans: A potential cause of asthma. Aerobiologia, 1996, 12, 173-176.	0.7	2
169	Response surface methodology to determine optimal measles-specific cytokine responses in human peripheral blood mononuclear cells. Journal of Immunological Methods, 2012, 382, 220-223.	0.6	2
170	Immunoglobulin GM and KM genes and measles vaccine-induced humoral immunity. Vaccine, 2017, 35, 5444-5447.	1.7	1
171	Inflammasome Activity in Response to Influenza Vaccination Is Maintained in Monocyte-Derived Peripheral Blood Macrophages in Older Adults. Frontiers in Aging, 2021, 2, .	1.2	1
172	Associations between human leukocyte antigen (HLA) alleles and very high levels of measles antibody following vaccination. Vaccine, 2003, 22, 1914-1914.	1.7	0
173	Zika Vaccines. , 2019, , 75-88.		0