

# Richard B Kennedy

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,305  
citations

159585

30  
h-index

168389

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

5658  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 immunity: review and applications to phase 3 vaccine candidates. <i>Lancet</i> , The, 2020, 396, 1595-1606.	13.7	511
2	Immunosenescence and human vaccine immune responses. <i>Immunity and Ageing</i> , 2019, 16, 25.	4.2	323
3	The role of host genetics in the immune response to SARS-CoV-2 and COVID-19 susceptibility and severity. <i>Immunological Reviews</i> , 2020, 296, 205-219.	6.0	175
4	Vaccinomics, adversomics, and the immune response network theory: Individualized vaccinology in the 21st century. <i>Seminars in Immunology</i> , 2013, 25, 89-103.	5.6	113
5	Systems biology approaches to new vaccine development. <i>Current Opinion in Immunology</i> , 2011, 23, 436-443.	5.5	97
6	The immunology of smallpox vaccines. <i>Current Opinion in Immunology</i> , 2009, 21, 314-320.	5.5	92
7	Vaccinomics and Personalized Vaccinology: Is Science Leading Us Toward a New Path of Directed Vaccine Development and Discovery?. <i>PLoS Pathogens</i> , 2011, 7, e1002344.	4.7	90
8	A systems biology approach to the effect of aging, immunosenescence and vaccine response. <i>Current Opinion in Immunology</i> , 2014, 29, 62-68.	5.5	87
9	Immunosenescence: A systems-level overview of immune cell biology and strategies for improving vaccine responses. <i>Experimental Gerontology</i> , 2019, 124, 110632.	2.8	86
10	Gender effects on humoral immune responses to smallpox vaccine. <i>Vaccine</i> , 2009, 27, 3319-3323.	3.8	85
11	Immunoinformatic identification of B cell and T cell epitopes in the SARS-CoV-2 proteome. <i>Scientific Reports</i> , 2020, 10, 14179.	3.3	80
12	The Impact of Immunosenescence on Humoral Immune Response Variation after Influenza A/H1N1 Vaccination in Older Subjects. <i>PLoS ONE</i> , 2015, 10, e0122282.	2.5	74
13	Oncolytic virus-mediated expansion of dual-specific CAR T cells improves efficacy against solid tumors in mice. <i>Science Translational Medicine</i> , 2022, 14, eabn2231.	12.4	70
14	Zika Vaccine Development: Current Status. <i>Mayo Clinic Proceedings</i> , 2019, 94, 2572-2586.	3.0	69
15	Associations between race, sex and immune response variations to rubella vaccination in two independent cohorts. <i>Vaccine</i> , 2014, 32, 1946-1953.	3.8	62
16	Associations Between Demographic Variables and Multiple Measles-Specific Innate and Cell-Mediated Immune Responses After Measles Vaccination. <i>Viral Immunology</i> , 2012, 25, 29-36.	1.3	61
17	Genome-wide associations of CD46 and IFI44L genetic variants with neutralizing antibody response to measles vaccine. <i>Human Genetics</i> , 2017, 136, 421-435.	3.8	59
18	Sex Differences in Older Adults' Immune Responses to Seasonal Influenza Vaccination. <i>Frontiers in Immunology</i> , 2019, 10, 180.	4.8	57

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19	System-Wide Associations between DNA-Methylation, Gene Expression, and Humoral Immune Response to Influenza Vaccination. <i>PLoS ONE</i> , 2016, 11, e0152034.	2.5	53
20	Variability in Humoral Immunity to Measles Vaccine: New Developments. <i>Trends in Molecular Medicine</i> , 2015, 21, 789-801.	6.7	51
21	Smallpox vaccines for biodefense. <i>Vaccine</i> , 2009, 27, D73-D79.	3.8	50
22	Race and sex-based differences in cytokine immune responses to smallpox vaccine in healthy individuals. <i>Human Immunology</i> , 2013, 74, 1263-1266.	2.4	48
23	Current Challenges in Vaccinology. <i>Frontiers in Immunology</i> , 2020, 11, 1181.	4.8	47
24	SNP/haplotype associations in cytokine and cytokine receptor genes and immunity to rubella vaccine. <i>Immunogenetics</i> , 2010, 62, 197-210.	2.4	45
25	Polymorphisms in HLA-DPB1 Are Associated With Differences in Rubella Virus-Specific Humoral Immunity After Vaccination. <i>Journal of Infectious Diseases</i> , 2015, 211, 898-905.	4.0	45
26	Immunosenescence-Related Transcriptomic and Immunologic Changes in Older Individuals Following Influenza Vaccination. <i>Frontiers in Immunology</i> , 2016, 7, 450.	4.8	40
27	Smallpox and Vaccinia. , 2018, , 1001-1030.e12.		40
28	Transcriptional signatures of influenza A/H1N1-specific IgG memory-like B cell response in older individuals. <i>Vaccine</i> , 2016, 34, 3993-4002.	3.8	39
29	Differential durability of immune responses to measles and mumps following MMR vaccination. <i>Vaccine</i> , 2019, 37, 1775-1784.	3.8	39
30	Genome-wide SNP associations with rubella-specific cytokine responses in measles-mumps-rubella vaccine recipients. <i>Immunogenetics</i> , 2014, 66, 493-499.	2.4	34
31	Transcriptomic signatures of cellular and humoral immune responses in older adults after seasonal influenza vaccination identified by data-driven clustering. <i>Scientific Reports</i> , 2018, 8, 739.	3.3	34
32	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. <i>Frontiers in Immunology</i> , 2017, 8, 445.	4.8	29
33	Vaccinology in the third millennium: scientific and social challenges. <i>Current Opinion in Virology</i> , 2016, 17, 116-125.	5.4	28
34	ReliefSeq: A Gene-Wise Adaptive-K Nearest-Neighbor Feature Selection Tool for Finding Gene-Gene Interactions and Main Effects in mRNA-Seq Gene Expression Data. <i>PLoS ONE</i> , 2013, 8, e81527.	2.5	27
35	HLA alleles associated with the adaptive immune response to smallpox vaccine: a replication study. <i>Human Genetics</i> , 2014, 133, 1083-1092.	3.8	27
36	Genetic polymorphisms associated with rubella virus-specific cellular immunity following MMR vaccination. <i>Human Genetics</i> , 2014, 133, 1407-1417.	3.8	26

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37	The humoral immune response to high-dose influenza vaccine in persons with monoclonal B-cell lymphocytosis (MBL) and chronic lymphocytic leukemia (CLL). <i>Vaccine</i> , 2021, 39, 1122-1130.	3.8	26
38	Genetically defined race, but not sex, is associated with higher humoral and cellular immune responses to measles vaccination. <i>Vaccine</i> , 2016, 34, 4913-4919.	3.8	24
39	Polymorphisms in the Wilms Tumor Gene Are Associated With Interindividual Variations in Rubella Virus-Specific Cellular Immunity After Measles-Mumps-Rubella II Vaccination. <i>Journal of Infectious Diseases</i> , 2018, 217, 560-566.	4.0	21
40	Differential miRNA expression in B cells is associated with inter-individual differences in humoral immune response to measles vaccination. <i>PLoS ONE</i> , 2018, 13, e0191812.	2.5	21
41	Whole Transcriptome Profiling Identifies CD93 and Other Plasma Cell Survival Factor Genes Associated with Measles-Specific Antibody Response after Vaccination. <i>PLoS ONE</i> , 2016, 11, e0160970.	2.5	20
42	The identification of HLA class II-restricted T cell epitopes to vaccinia virus membrane proteins. <i>Virology</i> , 2010, 408, 232-240.	2.4	19
43	The composition of immune cells serves as a predictor of adaptive immunity in a cohort of 50- to 74-year-old adults. <i>Immunology</i> , 2016, 148, 266-275.	4.4	19
44	The role of systems biology approaches in determining molecular signatures for the development of more effective vaccines. <i>Expert Review of Vaccines</i> , 2019, 18, 253-267.	4.4	18
45	Associations between Single Nucleotide Polymorphisms in Cellular Viral Receptors and Attachment Factor-Related Genes and Humoral Immunity to Rubella Vaccination. <i>PLoS ONE</i> , 2014, 9, e99997.	2.5	18
46	Seroprevalence and durability of rubella virus antibodies in a highly immunized population. <i>Vaccine</i> , 2019, 37, 3876-3882.	3.8	17
47	Distinct Homologous and Variant-Specific Memory B-Cell and Antibody Response Over Time After Severe Acute Respiratory Syndrome Coronavirus 2 Messenger RNA Vaccination. <i>Journal of Infectious Diseases</i> , 2022, 226, 23-31.	4.0	17
48	Correlations Between Vaccinia-Specific Immune Responses Within a Cohort of Armed Forces Members. <i>Viral Immunology</i> , 2011, 24, 415-420.	1.3	16
49	Impaired innate, humoral, and cellular immunity despite a take in smallpox vaccine recipients. <i>Vaccine</i> , 2016, 34, 3283-3290.	3.8	16
50	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. <i>Vaccine</i> , 2020, 38, 1249-1257.	3.8	14
51	The need for broadly protective COVID-19 vaccines: Beyond S-only approaches. <i>Vaccine</i> , 2021, 39, 4239-4241.	3.8	14
52	Mumps virus-specific immune response outcomes and sex-based differences in a cohort of healthy adolescents. <i>Clinical Immunology</i> , 2022, 234, 108912.	3.2	14
53	Humoral and cellular immune responses to recombinant herpes zoster vaccine in patients with chronic lymphocytic leukemia and monoclonal B cell lymphocytosis. <i>American Journal of Hematology</i> , 2022, 97, 90-98.	4.1	13
54	Recursive Indirect-Paths Modularity (RIP-M) for Detecting Community Structure in RNA-Seq Co-expression Networks. <i>Frontiers in Genetics</i> , 2016, 7, 80.	2.3	12

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55	Multi-Level Model to Predict Antibody Response to Influenza Vaccine Using Gene Expression Interaction Network Feature Selection. <i>Microorganisms</i> , 2019, 7, 79.	3.6	11
56	Smallpox and vaccinia. , 2013, , 718-745.		9
57	Pushing Forward With Zika Vaccines. <i>EBioMedicine</i> , 2016, 13, 29-30.	6.1	9
58	Proteomic assessment of humoral immune responses in smallpox vaccine recipients. <i>Vaccine</i> , 2022, 40, 789-797.	3.8	9
59	The Integration of Epistasis Network and Functional Interactions in a GWAS Implicates RXR Pathway Genes in the Immune Response to Smallpox Vaccine. <i>PLoS ONE</i> , 2016, 11, e0158016.	2.5	8
60	Durability of humoral immune responses to rubella following MMR vaccination. <i>Vaccine</i> , 2020, 38, 8185-8193.	3.8	7
61	Vaccine safety in an era of novel vaccines: a proposed research agenda. <i>Nature Reviews Immunology</i> , 2022, 22, 203-204.	22.7	7
62	Characterization of rubella-specific humoral immunity following two doses of MMR vaccine using proteome microarray technology. <i>PLoS ONE</i> , 2017, 12, e0188149.	2.5	6
63	Detection and Quantification of Influenza A/H1N1 Virus-Specific Memory B Cells in Human PBMCs Using ELISpot Assay. <i>Methods in Molecular Biology</i> , 2018, 1808, 221-236.	0.9	6
64	Efficacy of an adenovirus type 5 vectored SARS-CoV-2 vaccine. <i>Lancet, The</i> , 2022, 399, 212-213.	13.7	6
65	Associations between markers of cellular and humoral immunity to rubella virus following a third dose of measles-mumps-rubella vaccine. <i>Vaccine</i> , 2020, 38, 7897-7904.	3.8	4
66	Pharmacogenomics and Vaccine Development. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 546-548.	4.7	4
67	Update on Influenza Vaccines: Needs and Progress. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3599-3603.	3.8	3
68	B and Th cell response to Ag in vivo: Implications for vaccine development and diseases. <i>Immunological Reviews</i> , 2020, 296, 5-8.	6.0	2
69	Inflammasome Activity in Response to Influenza Vaccination Is Maintained in Monocyte-Derived Peripheral Blood Macrophages in Older Adults. <i>Frontiers in Aging</i> , 2021, 2, .	2.6	1
70	Detection of SARS-CoV-2 peptide-specific antibodies in Syrian hamster serum by ELISA. <i>Journal of Immunological Methods</i> , 2022, 505, 113275.	1.4	1