

# Nikolai Petrovsky

## List of Publications by Year in descending order

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Version: 2024-02-01

299  
papers

23,409  
citations

23500

58  
h-index

8835

145  
g-index

318  
all docs

318  
docs citations

318  
times ranked

27356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensive Blood Glucose Control and Vascular Outcomes in Patients with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2008, 358, 2560-2572.	13.9	6,447
2	The Transcriptional Landscape of the Mammalian Genome. <i>Science</i> , 2005, 309, 1559-1563.	6.0	3,227
3	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. <i>Nature</i> , 2002, 420, 563-573.	13.7	1,548
4	Vaccine adjuvants: Current state and future trends. <i>Immunology and Cell Biology</i> , 2004, 82, 488-496.	1.0	790
5	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	9.4	408
6	DIURNAL RHYTHMS OF PRO-INFLAMMATORY CYTOKINES: REGULATION BY PLASMA CORTISOL AND THERAPEUTIC IMPLICATIONS. <i>Cytokine</i> , 1998, 10, 307-312.	1.4	267
7	Technologies for enhanced efficacy of DNA vaccines. <i>Expert Review of Vaccines</i> , 2012, 11, 189-209.	2.0	265
8	Review of polysaccharide particle-based functional drug delivery. <i>Carbohydrate Polymers</i> , 2019, 221, 94-112.	5.1	240
9	Comparative Safety of Vaccine Adjuvants: A Summary of Current Evidence and Future Needs. <i>Drug Safety</i> , 2015, 38, 1059-1074.	1.4	238
10	Molecular mechanisms for enhanced DNA vaccine immunogenicity. <i>Expert Review of Vaccines</i> , 2016, 15, 313-329.	2.0	231
11	Superior Immunogenicity of Inactivated Whole Virus H5N1 Influenza Vaccine is Primarily Controlled by Toll-like Receptor Signalling. <i>PLoS Pathogens</i> , 2008, 4, e1000138.	2.1	221
12	The virosome concept for influenza vaccines. <i>Vaccine</i> , 2005, 23, S26-S38.	1.7	196
13	The Chronobiology of Human Cytokine Production. <i>International Reviews of Immunology</i> , 1998, 16, 635-649.	1.5	186
14	Severe Acute Respiratory Syndrome-Associated Coronavirus Vaccines Formulated with Delta Inulin Adjuvants Provide Enhanced Protection while Ameliorating Lung Eosinophilic Immunopathology. <i>Journal of Virology</i> , 2015, 89, 2995-3007.	1.5	186
15	The future of human DNA vaccines. <i>Journal of Biotechnology</i> , 2012, 162, 171-182.	1.9	165
16	Fat Aussieâ€”A New Alstroÿm Syndrome Mouse Showing a Critical Role for ALMS1 in Obesity, Diabetes, and Spermatogenesis. <i>Molecular Endocrinology</i> , 2006, 20, 1610-1622.	3.7	147
17	Advaxâ„¢, a polysaccharide adjuvant derived from delta inulin, provides improved influenza vaccine protection through broad-based enhancement of adaptive immune responses. <i>Vaccine</i> , 2012, 30, 5373-5381.	1.7	144
18	Computational methods for prediction of T-cell epitopesâ€”a framework for modelling, testing, and applications. <i>Methods</i> , 2004, 34, 436-443.	1.9	143

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19	Methods for Prediction of Peptide Binding to MHC Molecules: A Comparative Study. <i>Molecular Medicine</i> , 2002, 8, 137-148.	1.9	133
20	Carbohydrate-based immune adjuvants. <i>Expert Review of Vaccines</i> , 2011, 10, 523-537.	2.0	133
21	Observation of the keto tautomer of d-fructose in D2O using 1H NMR spectroscopy. <i>Carbohydrate Research</i> , 2012, 347, 136-141.	1.1	132
22	Towards a unified model of neuroendocrine-immune interaction. <i>Immunology and Cell Biology</i> , 2001, 79, 350-357.	1.0	131
23	Alum boosts TH2-type antibody responses to whole-inactivated virus influenza vaccine in mice but does not confer superior protection. <i>Vaccine</i> , 2008, 26, 2350-2359.	1.7	125
24	A novel hepatitis B vaccine containing Advax <sup>®</sup> , a polysaccharide adjuvant derived from delta inulin, induces robust humoral and cellular immunity with minimal reactogenicity in preclinical testing. <i>Vaccine</i> , 2013, 31, 1999-2007.	1.7	125
25	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. <i>Nature Genetics</i> , 2016, 48, 519-527.	9.4	117
26	Adaptive failure to high-fat diet characterizes steatohepatitis in Alms1 mutant mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 1152-1159.	1.0	112
27	Delta inulin: a novel, immunologically active, stable packing structure comprising $\alpha$ -D-[2 $\rightarrow$ 1] poly(fructo-furanosyl) $\alpha$ -D-glucose polymers. <i>Glycobiology</i> , 2011, 21, 595-606.	1.3	110
28	Benefits and Safety of Long-Term Fenofibrate Therapy in People With Type 2 Diabetes and Renal Impairment. <i>Diabetes Care</i> , 2012, 35, 218-225.	4.3	108
29	Needle-free influenza vaccination. <i>Lancet Infectious Diseases</i> , The, 2010, 10, 699-711.	4.6	105
30	Microfluidic formation of core-shell alginate microparticles for protein encapsulation and controlled release. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 497-503.	5.0	102
31	Safety and tolerability evaluation of the use of Montanide ISA <sup>®</sup> 51 as vaccine adjuvant: A systematic review. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 159-169.	1.4	99
32	Randomized clinical trial of immunogenicity and safety of a recombinant H1N1/2009 pandemic influenza vaccine containing Advax <sup>®</sup> , polysaccharide adjuvant. <i>Vaccine</i> , 2012, 30, 5407-5416.	1.7	98
33	Inulin-derived adjuvants efficiently promote both Th1 and Th2 immune responses. <i>Immunology and Cell Biology</i> , 2004, 82, 611-616.	1.0	95
34	Advax <sup>®</sup> , a novel microcrystalline polysaccharide particle engineered from delta inulin, provides robust adjuvant potency together with tolerability and safety. <i>Vaccine</i> , 2015, 33, 5920-5926.	1.7	95
35	Towards tailored vaccine delivery: Needs, challenges and perspectives. <i>Journal of Controlled Release</i> , 2012, 161, 363-376.	4.8	93
36	Macrophage migration inhibitory factor exhibits a pronounced circadian rhythm relevant to its role as a glucocorticoid counter-regulator. <i>Immunology and Cell Biology</i> , 2003, 81, 137-143.	1.0	90

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37	An inactivated Vero cell-grown Japanese encephalitis vaccine formulated with Advax, a novel inulin-based adjuvant, induces protective neutralizing antibody against homologous and heterologous flaviviruses. <i>Journal of General Virology</i> , 2010, 91, 1407-1417.	1.3	88
38	Alström syndrome: insights into the pathogenesis of metabolic disorders. <i>Nature Reviews Endocrinology</i> , 2011, 7, 77-88.	4.3	88
39	Fenofibrate Intervention and Event Lowering in Diabetes (FIELD) study: baseline characteristics and short-term effects of fenofibrate [ISRCTN64783481]. , 2005, 4, 13.		84
40	Whole inactivated virus influenza vaccine is superior to subunit vaccine in inducing immune responses and secretion of proinflammatory cytokines by DCs. <i>Influenza and Other Respiratory Viruses</i> , 2008, 2, 41-51.	1.5	82
41	Immunogenicity and safety of Advax, a novel polysaccharide adjuvant based on delta inulin, when formulated with hepatitis B surface antigen: A randomized controlled Phase 1 study. <i>Vaccine</i> , 2014, 32, 6469-6477.	1.7	81
42	Induction of Heterosubtypic Cross-Protection against Influenza by a Whole Inactivated Virus Vaccine: The Role of Viral Membrane Fusion Activity. <i>PLoS ONE</i> , 2012, 7, e30898.	1.1	79
43	Prediction of promiscuous peptides that bind HLA class I molecules. <i>Immunology and Cell Biology</i> , 2002, 80, 280-285.	1.0	77
44	The need for a large-scale trial of fibrate therapy in diabetes: the rationale and design of the Fenofibrate Intervention and Event Lowering in Diabetes (FIELD) study. [ISRCTN64783481]. , 2004, 3, 9.		77
45	A gold glyco-nanoparticle carrying a listeriolysin O peptide and formulated with Advax, delta inulin adjuvant induces robust T-cell protection against listeria infection. <i>Vaccine</i> , 2015, 33, 1465-1473.	1.7	77
46	In silico comparison of SARS-CoV-2 spike protein-ACE2 binding affinities across species and implications for virus origin. <i>Scientific Reports</i> , 2021, 11, 13063.	1.6	77
47	Relationship between peptide selectivities of human transporters associated with antigen processing and HLA class I molecules. <i>Journal of Immunology</i> , 1998, 161, 617-24.	0.4	76
48	Development of a dried influenza whole inactivated virus vaccine for pulmonary immunization. <i>Vaccine</i> , 2011, 29, 4345-4352.	1.7	75
49	BBS-Induced Ciliary Defect Enhances Adipogenesis, Causing Paradoxical Higher-Insulin Sensitivity, Glucose Usage, and Decreased Inflammatory Response. <i>Cell Metabolism</i> , 2012, 16, 363-377.	7.2	75
50	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. <i>Viruses</i> , 2019, 11, 212.	1.5	75
51	An Inactivated Cell Culture Japanese Encephalitis Vaccine (JE-ADVAX) Formulated with Delta Inulin Adjuvant Provides Robust Heterologous Protection against West Nile Encephalitis via Cross-Protective Memory B Cells and Neutralizing Antibody. <i>Journal of Virology</i> , 2013, 87, 10324-10333.	1.5	73
52	Genome-wide association study for sight-threatening diabetic retinopathy reveals association with genetic variation near the GRB2 gene. <i>Diabetologia</i> , 2015, 58, 2288-2297.	2.9	73
53	Novel human polysaccharide adjuvants with dual Th1 and Th2 potentiating activity. <i>Vaccine</i> , 2006, 24, S26-S29.	1.7	71
54	Development of a nasal vaccine for chronic hepatitis B infection that uses the ability of hepatitis B core antigen to stimulate a strong Th1 response against hepatitis B surface antigen. <i>Immunology and Cell Biology</i> , 2004, 82, 539-546.	1.0	69

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55	Induction of mucosal and systemic antibody and T-cell responses following prime-boost immunization with novel adjuvanted human immunodeficiency virus-1-vaccine formulations. <i>Journal of General Virology</i> , 2011, 92, 128-140.	1.3	69
56	Analysis of the hydrolysis of inulin using real time 1H NMR spectroscopy. <i>Carbohydrate Research</i> , 2012, 352, 117-125.	1.1	68
57	Common Sequence Variation in the VEGFA Gene Predicts Risk of Diabetic Retinopathy. , 2009, 50, 5552.		64
58	Allergen databases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2003, 58, 1093-1100.	2.7	63
59	PRED(TAP): a system for prediction of peptide binding to the human transporter associated with antigen processing. <i>Immunome Research</i> , 2006, 2, 3.	0.1	62
60	Cytokine-based human whole blood assay for the detection of antigen-reactive T cells. <i>Journal of Immunological Methods</i> , 1995, 186, 37-46.	0.6	60
61	Initiation of insulin glargine therapy in type 2 diabetes subjects suboptimally controlled on oral antidiabetic agents: results from the AT.LANTUS trial*. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 387-399.	2.2	60
62	Freeing vaccine adjuvants from dangerous immunological dogma. <i>Expert Review of Vaccines</i> , 2008, 7, 7-10.	2.0	59
63	Anti-complementary action of polymorphic solubility forms of particulate inulin. <i>Molecular Immunology</i> , 1986, 23, 895-901.	1.0	58
64	Intranasal Delivery of Influenza Subunit Vaccine Formulated with GEM Particles as an Adjuvant. <i>AAPS Journal</i> , 2010, 12, 109-116.	2.2	58
65	Delta inulin polysaccharide adjuvant enhances the ability of split-virion H5N1 vaccine to protect against lethal challenge in ferrets. <i>Vaccine</i> , 2011, 29, 6242-6251.	1.7	58
66	Computational immunology: The coming of age. <i>Immunology and Cell Biology</i> , 2002, 80, 248-254.	1.0	57
67	Delta inulin-based adjuvants promote the generation of polyfunctional CD4+ T cell responses and protection against Mycobacterium tuberculosis infection. <i>Scientific Reports</i> , 2017, 7, 8582.	1.6	57
68	Sequence Variation in DDAH1 and DDAH2 Genes Is Strongly and Additively Associated with Serum ADMA Concentrations in Individuals with Type 2 Diabetes. <i>PLoS ONE</i> , 2010, 5, e9462.	1.1	54
69	Influenza immunization during pregnancy: Benefits for mother and infant. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 3065-3071.	1.4	54
70	The adjuvanticity of gamma inulin. <i>Immunology and Cell Biology</i> , 1988, 66, 345-352.	1.0	53
71	Diabetic Retinopathy Is Associated With Elevated Serum Asymmetric and Symmetric Dimethylarginines. <i>Diabetes Care</i> , 2009, 32, 2084-2086.	4.3	53
72	Preservation of the Immunogenicity of Dry-powder Influenza H5N1 Whole Inactivated Virus Vaccine at Elevated Storage Temperatures. <i>AAPS Journal</i> , 2010, 12, 215-222.	2.2	53

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73	A single-nucleotide polymorphism in the MicroRNA-146a gene is associated with diabetic nephropathy and sight-threatening diabetic retinopathy in Caucasian patients. <i>Acta Diabetologica</i> , 2016, 53, 643-650.	1.2	53
74	Association Between Erythropoietin Gene Polymorphisms and Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2010, 128, 102.	2.6	51
75	Immunoinformatics and its relevance to understanding human immune disease. <i>Expert Review of Clinical Immunology</i> , 2005, 1, 145-157.	1.3	50
76	A fresh perspective from immunologists and vaccine researchers: Active vaccination strategies to prevent and reverse Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015, 11, 1246-1259.	0.4	50
77	Computational tools for the study of allergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2003, 58, 1083-1092.	2.7	49
78	Advax-Adjuvanted Recombinant Protective Antigen Provides Protection against Inhalational Anthrax That Is Further Enhanced by Addition of Murabutide Adjuvant. <i>Vaccine Journal</i> , 2014, 21, 580-586.	3.2	49
79	Human Phase 1 trial of low-dose inactivated seasonal influenza vaccine formulated with Advax,® delta inulin adjuvant. <i>Vaccine</i> , 2016, 34, 3780-3786.	1.7	49
80	Genome-wide association studies for diabetic macular edema and proliferative diabetic retinopathy. <i>BMC Medical Genetics</i> , 2018, 19, 71.	2.1	49
81	Molecular Adjuvants for DNA Vaccines. <i>Current Issues in Molecular Biology</i> , 2017, 22, 17-40.	1.0	49
82	A Microfluidic Tumor-on-a-Chip for Assessing Multifunctional Liposomes' Tumor Targeting and Anticancer Efficacy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900015.	3.9	47
83	JE-ADVAX Vaccine Protection against Japanese Encephalitis Virus Mediated by Memory B Cells in the Absence of CD8 <sup>+</sup> T Cells and Pre-Exposure Neutralizing Antibody. <i>Journal of Virology</i> , 2013, 87, 4395-4402.	1.5	46
84	The anti-melanoma activity of inulin in mice. <i>Molecular Immunology</i> , 1986, 23, 903-908.	1.0	45
85	Influenza virosomes: combining optimal presentation of hemagglutinin with immunopotentiating activity. <i>Vaccine</i> , 2003, 21, 925-931.	1.7	45
86	The polysaccharide inulin is characterized by an extensive series of periodic isoforms with varying biological actions. <i>Glycobiology</i> , 2013, 23, 1164-1174.	1.3	45
87	Mucosal delivery of a multistage subunit vaccine promotes development of lung-resident memory T cells and affords interleukin-17-dependent protection against pulmonary tuberculosis. <i>Npj Vaccines</i> , 2020, 5, 105.	2.9	45
88	Evaluation of monophosphoryl lipid A as adjuvant for pulmonary delivered influenza vaccine. <i>Journal of Controlled Release</i> , 2014, 174, 51-62.	4.8	44
89	Immunisation of ferrets and mice with recombinant SARS-CoV-2 spike protein formulated with Advax-SM adjuvant protects against COVID-19 infection. <i>Vaccine</i> , 2021, 39, 5940-5953.	1.7	44
90	Advax delta inulin adjuvant overcomes immune immaturity in neonatal mice thereby allowing single-dose influenza vaccine protection. <i>Vaccine</i> , 2015, 33, 4892-4900.	1.7	43

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91	Advax augments B and T cell responses upon influenza vaccination via the respiratory tract and enables complete protection of mice against lethal influenza virus challenge. <i>Journal of Controlled Release</i> , 2018, 288, 199-211.	4.8	43
92	Influenza Virosomes in Vaccine Development. <i>Methods in Enzymology</i> , 2003, 373, 74-91.	0.4	42
93	Synthesis and characterization of a novel inulin hydrogel crosslinked with pyromellitic dianhydride. <i>Reactive and Functional Polymers</i> , 2019, 134, 104-111.	2.0	42
94	Inactivated or damaged? Comparing the effect of inactivation methods on influenza virions to optimize vaccine production. <i>Vaccine</i> , 2019, 37, 1630-1637.	1.7	40
95	Vaccine Adjuvants Based on Gamma Inulin. <i>Pharmaceutical Biotechnology</i> , 1995, 6, 559-580.	0.3	40
96	Toll-like receptor (TLR) agonists as a driving force behind next-generation vaccine adjuvants and cancer therapeutics. <i>Current Opinion in Chemical Biology</i> , 2022, 70, 102172.	2.8	40
97	Aldose Reductase Gene Polymorphisms and Diabetic Retinopathy Susceptibility. <i>Diabetes Care</i> , 2010, 33, 1834-1836.	4.3	39
98	Advax, a Delta Inulin Microparticle, Potentiates In-built Adjuvant Property of Co-administered Vaccines. <i>EBioMedicine</i> , 2017, 15, 127-136.	2.7	39
99	Prefusion RSV F Immunization Elicits Th2-Mediated Lung Pathology in Mice When Formulated With a Th2 (but Not a Th1/Th2-Balanced) Adjuvant Despite Complete Viral Protection. <i>Frontiers in Immunology</i> , 2020, 11, 1673.	2.2	39
100	A single immunization with inactivated H1N1 influenza vaccine formulated with delta inulin adjuvant (Advax <sup>®</sup> ) overcomes pregnancy-associated immune suppression and enhances passive neonatal protection. <i>Vaccine</i> , 2014, 32, 4651-4659.	1.7	38
101	Alzheimer's disease AdvaxCpG- adjuvanted MultiTEP-based dual and single vaccines induce high-titer antibodies against various forms of tau and A $\beta$ pathological molecules. <i>Scientific Reports</i> , 2016, 6, 28912.	1.6	37
102	Safety and immunogenicity of SpikoGen <sup>®</sup> , an Advax-CpG55.2-adjuvanted SARS-CoV-2 spike protein vaccine: a phase 2 randomized placebo-controlled trial in both seropositive and seronegative populations. <i>Clinical Microbiology and Infection</i> , 2022, 28, 1263-1271.	2.8	37
103	Algammulin, a new vaccine adjuvant comprising gamma inulin particles containing alum: preparation and in vitro properties. <i>Vaccine</i> , 1991, 9, 351-357.	1.7	36
104	Efficient discovery of immune response targets by cyclical refinement of QSAR models of peptide binding. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 405-411.	1.3	35
105	Enhancement of the Immunogenicity and Protective Efficacy of a Mucosal Influenza Subunit Vaccine by the Saponin Adjuvant GPI-0100. <i>PLoS ONE</i> , 2012, 7, e52135.	1.1	35
106	Methods for prediction of peptide binding to MHC molecules: a comparative study. <i>Molecular Medicine</i> , 2002, 8, 137-48.	1.9	35
107	The Role of Fas Ligand in Beta Cell Destruction in Autoimmune Diabetes of NOD Mice. <i>Annals of the New York Academy of Sciences</i> , 2002, 958, 204-208.	1.8	34
108	An epitope-based malaria vaccine targeting the junctional region of circumsporozoite protein. <i>Npj Vaccines</i> , 2021, 6, 13.	2.9	34

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109	Physical and immunogenic stability of spray freeze-dried influenza vaccine powder for pulmonary delivery: Comparison of inulin, dextran, or a mixture of dextran and trehalose as protectants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 716-725.	2.0	33
110	Physical characterization and in silico modeling of inulin polymer conformation during vaccine adjuvant particle formation. <i>Carbohydrate Polymers</i> , 2016, 143, 108-115.	5.1	33
111	A novel peptide-based vaccine candidate with protective efficacy against influenza A in a mouse model. <i>Virology</i> , 2018, 515, 21-28.	1.1	33
112	Effector mechanisms of influenza-specific antibodies: neutralization and beyond. <i>Expert Review of Vaccines</i> , 2018, 17, 785-795.	2.0	33
113	Vaccine-Induced Th1-Type Response Protects against Invasive Group A <i>Streptococcus</i> Infection in the Absence of Opsonizing Antibodies. <i>MBio</i> , 2020, 11, .	1.8	33
114	Safety and immunogenicity of a delta inulin-adjuvanted inactivated Japanese encephalitis virus vaccine in pregnant mares and foals. <i>Veterinary Research</i> , 2014, 45, 130.	1.1	32
115	Bioinformatics for characterisation of allergens, allergenicity and allergic crossreactivity. <i>Trends in Immunology</i> , 2003, 24, 225-228.	2.9	31
116	Induction of cytotoxic T lymphocyte activity by immunization with recombinant Semliki Forest virus: indications for cross-priming. <i>Vaccine</i> , 2004, 22, 1104-1113.	1.7	30
117	Evaluation of the immunogenicity and safety of different doses and formulations of a broad spectrum influenza vaccine (FLU-v) developed by SEEK: study protocol for a single-center, randomized, double-blind and placebo-controlled clinical phase IIb trial. <i>BMC Infectious Diseases</i> , 2017, 17, 241.	1.3	30
118	Calcium Signaling As a Therapeutic Target for Liver Steatosis. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 270-281.	3.1	30
119	Molecular immunology databases and data repositories. <i>Journal of Immunological Methods</i> , 2000, 238, 17-28.	0.6	29
120	Pushing the frontiers of T-cell vaccines: accurate measurement of human T-cell responses. <i>Expert Review of Vaccines</i> , 2012, 11, 1459-1470.	2.0	29
121	Adjuvant Strategies for More Effective Tuberculosis Vaccine Immunity. <i>Microorganisms</i> , 2019, 7, 255.	1.6	28
122	HLA Class II-associated polymorphism of interferon- $\gamma$ production implications for HLA-disease association. <i>Human Immunology</i> , 1997, 53, 12-16.	1.2	27
123	Pregnancy-associated osteoporosis with hypercalcaemia. <i>Internal Medicine Journal</i> , 2002, 32, 481-485.	0.5	27
124	Immunomodulation with microbial vaccines to prevent type 1 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2010, 6, 131-138.	4.3	27
125	Assessment of cardiovascular disease risk factors and diabetes mellitus in Australian prisons: is the prisoner population unhealthier than the rest of the Australian population?. <i>Australian and New Zealand Journal of Public Health</i> , 2005, 29, 318-323.	0.8	26
126	TLR2 Agonistic Small Molecules: Detailed Structure-Activity Relationship, Applications, and Future Prospects. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 233-278.	2.9	26



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127	Immunogenicity and safety of SpikoGen <sup>®</sup> , an adjuvanted recombinant SARS-CoV-2 spike protein vaccine as a homologous and heterologous booster vaccination: A randomized placebo-controlled trial. <i>Immunology</i> , 2022, 167, 340-353.	2.0	26
128	Virtual models of the HLA class I antigen processing pathway. <i>Methods</i> , 2004, 34, 429-435.	1.9	25
129	Pulmonary delivery of influenza vaccine formulations in cotton rats: site of deposition plays a minor role in the protective efficacy against clinical isolate of H1N1pdm virus. <i>Drug Delivery</i> , 2018, 25, 533-545.	2.5	25
130	Dengue tropism for macrophages and dendritic cells: the host cell effect. <i>Journal of General Virology</i> , 2016, 97, 1531-1536.	1.3	25
131	Covax-19/Spikogen <sup>®</sup> vaccine based on recombinant spike protein extracellular domain with Advax-CpG55.2 adjuvant provides single dose protection against SARS-CoV-2 infection in hamsters. <i>Vaccine</i> , 2022, 40, 3182-3192.	1.7	25
132	Mechanisms of Accelerated Immune-Mediated Diabetes Resulting from Islet $\beta^2$ Cell Expression of a Fas Ligand Transgene. <i>Journal of Immunology</i> , 2003, 170, 4996-5002.	0.4	24
133	Cellular Delivery of siRNA Mediated by Fusion-Active Virosomes. <i>Journal of Liposome Research</i> , 2007, 17, 39-47.	1.5	24
134	Development of a SARS Coronavirus Vaccine from Recombinant Spike Protein Plus Delta Inulin Adjuvant. <i>Methods in Molecular Biology</i> , 2016, 1403, 269-284.	0.4	24
135	The Role of Endoplasmic Reticulum Stress in Nonimmune Diabetes: NOD.k iHEL, a Novel Model of $\beta^2$ Cell Death. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 178-183.	1.8	23
136	Inulin crystal initiation via a glucose-fructose cross-link of adjacent polymer chains: Atomic force microscopy and static molecular modelling. <i>Carbohydrate Polymers</i> , 2015, 117, 964-972.	5.1	23
137	Response of Serum Macrophage Migration Inhibitory Factor Levels to Stimulation or Suppression of the Hypothalamo-Pituitary-Adrenal Axis in Normal Subjects and Patients with Cushing's Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 1834-1840.	1.8	23
138	Relative Adipose Tissue Failure in Alström Syndrome Drives Obesity-Induced Insulin Resistance. <i>Diabetes</i> , 2021, 70, 364-376.	0.3	23
139	Immunoinformatics-The New Kid in Town. <i>Novartis Foundation Symposium</i> , 2008, , 3-22.	1.2	22
140	Cross-Protective Immune Responses Induced by Sequential Influenza Virus Infection and by Sequential Vaccination With Inactivated Influenza Vaccines. <i>Frontiers in Immunology</i> , 2018, 9, 2312.	2.2	22
141	Information technologies for vaccine research. <i>Expert Review of Vaccines</i> , 2005, 4, 407-417.	2.0	21
142	Delta inulin-derived adjuvants that elicit Th1 phenotype following vaccination reduces respiratory syncytial virus lung titers without a reduction in lung immunopathology. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 2096-2105.	1.4	21
143	Distinctive Responses in an In Vitro Human Dendritic Cell-Based System upon Stimulation with Different Influenza Vaccine Formulations. <i>Vaccines</i> , 2017, 5, 21.	2.1	21
144	Delta Inulin Adjuvant Enhances Plasmablast Generation, Expression of Activation-Induced Cytidine Deaminase and B-Cell Affinity Maturation in Human Subjects Receiving Seasonal Influenza Vaccine. <i>PLoS ONE</i> , 2015, 10, e0132003.	1.1	21

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145	Algammulin (gamma inulin/alum hybrid adjuvant) has greater adjuvanticity than alum for hepatitis B surface antigen in mice. <i>Immunology Letters</i> , 1991, 27, 131-134.	1.1	20
146	Bioinformatics for study of autoimmunity. <i>Autoimmunity</i> , 2006, 39, 635-643.	1.2	20
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