Nicholas Jc King

List of Publications by Year
in descending order

137 papers	7,208 citations	61687 45 h-index	73587 79 g-index
150 all docs	150 docs citations	150 times ranked	10484 citing authors

#	Article	IF	Citations
1	<scp>TrackSOM</scp>: Mapping immune response dynamics through clustering of timeâ€course cytometry data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2023, 103, 54-70.	1.1	0
2	Integration, exploration, and analysis of highâ€dimensional singleâ€cell cytometry data using Spectre. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 237-253.	1.1	78
3	Multiplex analysis of mass imaging data: Application to the pathology of experimental myocardial infarction. Acta Physiologica, 2022, 235, e13790.	1.8	5
4	Impact of Dietary Fiber on West Nile Virus Infection. Frontiers in Immunology, 2022, 13, 784486.	2.2	6
5	PLX5622 Reduces Disease Severity in Lethal CNS Infection by Off-Target Inhibition of Peripheral Inflammatory Monocyte Production. Frontiers in Immunology, 2022, 13, 851556.	2.2	36
6	Microglia and monocytes in inflammatory CNS disease: integrating phenotype and function. Acta Neuropathologica, 2022, 143, 179-224.	3.9	82
7	The Delta SARS-CoV-2 Variant of Concern Induces Distinct Pathogenic Patterns of Respiratory Disease in K18-hACE2 Transgenic Mice Compared to the Ancestral Strain from Wuhan. MBio, 2022, 13, e0068322.	1.8	17
8	SARS-CoV-2 infection results in immune responses in the respiratory tract and peripheral blood that suggest mechanisms of disease severity. Nature Communications, 2022, 13, 2774.	5.8	21
9	Integrated immune dynamics define correlates of COVID-19 severity and antibody responses. Cell Reports Medicine, 2021, 2, 100208.	3.3	115
10	High-parameter cytometry unmasks microglial cell spatio-temporal response kinetics in severe neuroinflammatory disease. Journal of Neuroinflammation, 2021, 18, 166.	3.1	17
11	Dietary carbohydrate, particularly glucose, drives B cell lymphopoiesis and function. IScience, 2021, 24, 102835.	1.9	13
12	Using single-cell cytometry to illustrate integrated multi-perspective evaluation of clustering algorithms using Pareto fronts. Bioinformatics, 2021, 37, 1972-1981.	1.8	2
13	Microbial Infection as a Trigger of T-Cell Autoimmunity. , 2020, , 363-374.		5
14	Evaluating spectral cytometry for immune profiling in viral disease. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 1165-1179.	1.1	48
15	Immovable Object Meets Unstoppable Force? Dialogue Between Resident and Peripheral Myeloid Cells in the Inflamed Brain. Frontiers in Immunology, 2020, 11, 600822.	2.2	10
16	Immune Modulation of Monocytes Dampens the IL-17+ Î³Î´ T Cell Response and Associated Psoriasis Pathology in Mice. Journal of Investigative Dermatology, 2020, 140, 2398-2407.e1.	0.3	5
17	Gliadin Nanoparticles Induce Immune Tolerance to Gliadin in Mouse Models of Celiac Disease. Gastroenterology, 2020, 158, 1667-1681.e12.	0.6	87
18	Modulation of Monocyte-Driven Myositis in Alphavirus Infection Reveals a Role for CX ₃ CR1 ⁺ Macrophages in Tissue Repair. MBio, 2020, 11, .	1.8	16

#	Article	IF	Citations
19	Contribution of STAT1 to innate and adaptive immunity during type I interferon-mediated lethal virus infection. PLoS Pathogens, 2020, 16, e1008525.	2.1	17
20	Basic insights into Zika virus infection of neuroglial and brain endothelial cells. Journal of General Virology, 2020, 101, 622-634.	1.3	12
21	Zika virus encephalitis in immunocompetent mice is dominated by innate immune cells and does not require T or B cells. Journal of Neuroinflammation, 2019, 16, 177.	3.1	22
22	Analysis of the Murine Bone Marrow Hematopoietic System Using Mass and Flow Cytometry. Methods in Molecular Biology, 2019, 1989, 159-192.	0.4	19
23	Phase-Encoded Hyperpolarized Nanodiamond for Magnetic Resonance Imaging. Scientific Reports, 2019, 9, 5950.	1.6	23
24	Designing drug-free biodegradable nanoparticles to modulate inflammatory monocytes and neutrophils for ameliorating inflammation. Journal of Controlled Release, 2019, 300, 185-196.	4.8	68
25	ChronoClust: Density-based clustering and cluster tracking in high-dimensional time-series data. Knowledge-Based Systems, 2019, 174, 9-26.	4.0	12
26	Overcoming challenges in treating autoimmuntity: Development of tolerogenic immune-modifying nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 282-291.	1.7	67
27	Dimensionality Reduction for Clustering and Cluster Tracking of Cytometry Data. Lecture Notes in Computer Science, 2019, , 624-640.	1.0	2
28	Experimental severe malaria is resolved by targeting newly-identified monocyte subsets using immune-modifying particles combined with artesunate. Communications Biology, 2018, 1, 227.	2.0	21
29	Collateral Damage: What Effect Does Anti-CD4 and Anti-CD8Î± Antibodyâ€“Mediated Depletion Have on Leukocyte Populations?. Journal of Immunology, 2018, 201, 2176-2186.	0.4	11
30	Enhanced viral clearance and reduced leukocyte infiltration in experimental herpes encephalitis after intranasal infection of CXCR3-deficient mice. Journal of NeuroVirology, 2017, 23, 394-403.	1.0	23
31	Zika Virus: Mechanisms of Infection During Pregnancy. Trends in Microbiology, 2017, 25, 701-702.	3.5	9
32	Highâ€Dimensional Fluorescence Cytometry. Current Protocols in Immunology, 2017, 119, 5.8.1-5.8.38.	3.6	29
33	Specific inhibition of NLRP3 in chikungunya disease reveals a role for inflammasomes in alphavirus-induced inflammation. Nature Microbiology, 2017, 2, 1435-1445.	5.9	77
34	IRF9 Prevents CD8 ⁺ T Cell Exhaustion in an Extrinsic Manner during Acute Lymphocytic Choriomeningitis Virus Infection. Journal of Virology, 2017, 91, .	1.5	30
35	A theoretical model of the West Nile Virus survival data. BMC Immunology, 2017, 18, 22.	0.9	2
36	A model of auto immune response. BMC Immunology, 2017, 18, 24.	0.9	2

#	Article	IF	Citations
37	Using a Collateral Damage Model to Explain Survival Data in West Nile Virus Infections. Advances in Microbiology, 2016, 06, 251-262.	0.3	1
38	Fc receptors in antibodyâ€dependent enhancement of viral infections. Immunological Reviews, 2015, 268, 340-364.	2.8	202
39	Role of indoleamine 2,3-dioxygenase in health and disease. Clinical Science, 2015, 129, 601-672.	1.8	188
40	Harnessing nanoparticles for immune modulation. Trends in Immunology, 2015, 36, 419-427.	2.9	190
41	Defective Inflammatory Monocyte Development in IRF8-Deficient Mice Abrogates Migration to the West Nile Virus-Infected Brain. Journal of Innate Immunity, 2015, 7, 102-112.	1.8	20
42	Flavivirus Encephalitis: Immunopathogenesis of Disease and Immunomodulation. , 2015, , 425-455.		1
43	A Simulation for Flavivirus Infection Decoy Responses. Advances in Microbiology, 2015, 05, 123-142.	0.3	3
44	The Bacteriostatic Protein Lipocalin 2 Is Induced in the Central Nervous System of Mice with West Nile Virus Encephalitis. Journal of Virology, 2014, 88, 679-689.	1.5	21
45	Infectious Triggers of T Cell Autoimmunity. , 2014, , 263-274.		3
46	Therapeutic Inflammatory Monocyte Modulation Using Immune-Modifying Microparticles. Science Translational Medicine, 2014, 6, 219ra7.	5.8	284
47	The plasticity of inflammatory monocyte responses to the inflamed central nervous system. Cellular Immunology, 2014, 291, 49-57.	1.4	26
48	The Role of CXCR3 in DSS-Induced Colitis. PLoS ONE, 2014, 9, e101622.	1.1	56
49	Immunomodulatory Effects of Bone Marrow-Derived Mesenchymal Stem Cells on Pro-Inflammatory Cytokine-Stimulated Human Corneal Epithelial Cells. PLoS ONE, 2014, 9, e101841.	1.1	33
50	285. Cytokine, 2013, 63, 311.	1.4	0
51	Antiviral macrophage responses in flavivirus encephalitis. Indian Journal of Medical Research, 2013, 138, 632-47.	0.4	9
52	Entry of Herpes Simplex Virus Type 1 (HSV-1) into the Distal Axons of Trigeminal Neurons Favors the Onset of Nonproductive, Silent Infection. PLoS Pathogens, 2012, 8, e1002679.	2.1	81
53	Flavivirus infection induces indoleamine 2,3-dioxygenase in human monocyte-derived macrophages via tumor necrosis factor and NF-Î¹B. Journal of Leukocyte Biology, 2012, 91, 657-666.	1.5	37
54	Microparticles bearing encephalitogenic peptides induce T-cell tolerance and ameliorate experimental autoimmune encephalomyelitis. Nature Biotechnology, 2012, 30, 1217-1224.	9.4	351

#	Article	IF	Citations
55	ILâ€22 and nonâ€ELRâ€CXC chemokine expression in chronic hepatitis B virusâ€infected liver. Immunology and Cell Biology, 2012, 90, 611-619.	1.0	55
56	Mice Deficient in STAT1 but Not STAT2 or IRF9 Develop a Lethal CD4⁺T-Cell-Mediated Disease following Infection with Lymphocytic Choriomeningitis Virus. Journal of Virology, 2012, 86, 6932-6946.	1.5	44
57	Targeted blockade in lethal West Nile virus encephalitis indicates a crucial role for very late antigen (VLA)-4-dependent recruitment of nitric oxide-producing macrophages. Journal of Neuroinflammation, 2012, 9, 246.	3.1	65
58	Inflammatory monocytes and the pathogenesis of viral encephalitis. Journal of Neuroinflammation, 2012, 9, 270.	3.1	105
59	IFN Regulatory Factor 8 Is a Key Constitutive Determinant of the Morphological and Molecular Properties of Microglia in the CNS. PLoS ONE, 2012, 7, e49851.	1.1	66
60	Microarray analysis of gene expression in West Nile virus-infected human retinal pigment epithelium. Molecular Vision, 2012, 18, 730-43.	1.1	33
61	Effects of Î²2 Agonists, Corticosteroids, and Novel Therapies on Rhinovirus-Induced Cytokine Release and Rhinovirus Replication in Primary Airway Fibroblasts. Journal of Allergy, 2011, 2011, 1-11.	0.7	11
62	Microparticles as Immune Regulators in Infectious Disease ? An Opinion. Frontiers in Immunology, 2011, 2, 67.	2.2	17
63	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. Respirology, 2011, 16, 367-377.	1.3	43
64	Luminescent nanodiamonds for biomedical applications. Biophysical Reviews, 2011, 3, 171-184.	1.5	67
65	Fluorescent nanodiamonds for biological applications. , 2011, , .		0
66	Accelerated Dendritic Cell Differentiation from Migrating Ly6CloBone Marrow Monocytes in Early Dermal West Nile Virus Infection. Journal of Immunology, 2011, 186, 2382-2396.	0.4	32
67	Tolerance Induced by Apoptotic Antigen-Coupled Leukocytes Is Induced by PD-L1+ and IL-10â€“Producing Splenic Macrophages and Maintained by T Regulatory Cells. Journal of Immunology, 2011, 187, 2405-2417.	0.4	182
68	Rhinovirus infection induces extracellular matrix protein deposition in asthmatic and nonasthmatic airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L951-L957.	1.3	44
69	Contagious: Cultures, Carriers, and the Outbreak Narrative (review). Bulletin of the History of Medicine, 2010, 84, 145-146.	0.1	0
70	Rhinovirus-Induced Exacerbations of Asthma. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 227-233.	1.4	32
71	Site-Specific Production of IL-6 in the Central Nervous System Retargets and Enhances the Inflammatory Response in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2009, 183, 2079-2088.	0.4	108
72	Comparative proteomics in the corpus callosal sub-regions of postmortem human brain. Neurochemistry International, 2009, 55, 483-490.	1.9	13

#	Article	IF	Citations
73	Enhanced Antigen Processing or Immune Evasion? West Nile Virus and the Induction of Immune Recognition Molecules. , 2009, , 309-339.		3
74	Viruses and the immune system: their roles in seizure cascade development. Journal of Neurochemistry, 2008, 104, 1167-1176.	2.1	49
75	Cytosolic Phospholipase A2-Î±: A Potential Therapeutic Target for Prostate Cancer. Clinical Cancer Research, 2008, 14, 8070-8079.	3.2	98
76	Ly6c+ â€œinflammatory monocytesâ€•are microglial precursors recruited in a pathogenic manner in West Nile virus encephalitis. Journal of Experimental Medicine, 2008, 205, 2319-2337.	4.2	289
77	Rhinovirus exposure impairs immune responses to bacterial products in human alveolar macrophages. Thorax, 2008, 63, 519-525.	2.7	136
78	CXCR3 Signaling Reduces the Severity of Experimental Autoimmune Encephalomyelitis by Controlling the Parenchymal Distribution of Effector and Regulatory T Cells in the Central Nervous System. Journal of Immunology, 2007, 179, 2774-2786.	0.4	181
79	Inhibition of Airway Na + Transport by Respiratory Syncytial Virus. Journal of Virology, 2007, 81, 3714-3720.	1.5	25
80	Coordinated Regulation and Widespread Cellular Expression of Interferon-Stimulated Genes (ISG) ISG-49, ISG-54, and ISG-56 in the Central Nervous System after Infection with Distinct Viruses. Journal of Virology, 2007, 81, 860-871.	1.5	130
81	Molecules in focus: Indoleamine 2,3-dioxygenase. International Journal of Biochemistry and Cell Biology, 2007, 39, 2167-2172.	1.2	222
82	Immunopathology of flavivirus infections. Immunology and Cell Biology, 2007, 85, 33-42.	1.0	165
83	Role of IFNâ€Î³ in an experimental murine model of West Nile virusâ€induced seizures. Journal of Neurochemistry, 2007, 103, 1019-1030.	2.1	68
84	Increased proinflammatory responses from asthmatic human airway smooth muscle cells in response to rhinovirus infection. Respiratory Research, 2006, 7, 71.	1.4	73
85	Enhanced antiviral antibody secretion and attenuated immunopathology during influenza virus infection in nitric oxide synthase-2-deficient mice. Journal of General Virology, 2006, 87, 3361-3371.	1.3	39
86	Flaviviruses in motor neuron disease. Muscle and Nerve, 2005, 32, 108-109.	1.0	3
87	Major Histocompatibility Complex Class I (MHCâ€I) Induction by West Nile Virus: Involvement of 2 Signaling Pathways in MHCâ€I Upâ€Regulation. Journal of Infectious Diseases, 2004, 189, 658-668.	1.9	66
88	Acute Effects of Parainfluenza Virus on Epithelial Electrolyte Transport. Journal of Biological Chemistry, 2004, 279, 48760-48766.	1.6	38
89	Oncogenic Action of Secreted Phospholipase A2 in Prostate Cancer. Cancer Research, 2004, 64, 6934-6940.	0.4	97
90	Regulation of antigen processing and presentation molecules in West Nile virus-infected human skin fibroblasts. Virology, 2004, 324, 286-296.	1.1	26

#	Article	IF	Citations
91	The role of tumor necrosis factor in modulating responses of murine embryo fibroblasts by flavivirus, West Nile. Virology, 2004, 329, 361-370.	1.1	27
92	Routes of inoculation and the immune response to a resolving genital flavivirus infection in a novel murine model. Immunology and Cell Biology, 2004, 82, 174-183.	1.0	11
93	Interaction of flaviviruses with cells of the vertebrate host and decoy of the immune response. Immunology and Cell Biology, 2003, 81, 207-216.	1.0	38
94	Expression of Fas and FasL in human serous ovarian epithelial tumors. Human Pathology, 2003, 34, 74-79.	1.1	13
95	Immune Modulation by Flaviviruses. Advances in Virus Research, 2003, 60, 121-155.	0.9	35
96	Sertoli and Germ Cell Development in Hypogonadal (hpg) Mice Expressing Transgenic Follicle-Stimulating Hormone Alone or in Combination with Testosterone. Endocrinology, 2003, 144, 509-517.	1.4	144
97	Regulation of Immune Recognition Molecules by Flavivirus, West Nile. Viral Immunology, 2002, 15, 273-283.	0.6	36
98	Regulation of cellular adhesion molecule expression in murine oocytes, peri-implantation and post-implantation embryos. Cell Research, 2002, 12, 373-383.	5.7	21
99	Autologous lymphocyteâ€“monocyte co-culture increases NMR-visible and cytoplasmic lipids in the absence of increased markers of lymphocyte activation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1533, 243-254.	1.2	6
100	Interleukin-1Î² But Not Tumor Necrosis Factor is Involved in West Nile Virus-Induced Langerhans Cell Migration from the Skin in C57BL/6 Mice. Journal of Investigative Dermatology, 2001, 117, 702-709.	0.3	114
101	The intracellular oxidation of 2â€²,7â€²-dichlorofluorescin in murine T lymphocytes. Free Radical Biology and Medicine, 2001, 30, 82-88.	1.3	45
102	Langerhans Cells Migrate to Local Lymph Nodes Following Cutaneous Infection with an Arbovirus. Journal of Investigative Dermatology, 2000, 114, 560-568.	0.3	183
103	Triamcinolone acetonide modulates permeability and intercellular adhesion molecule-1 (ICAM-1) expression of the ECV304 cell line: implications for macular degeneration. Clinical and Experimental Immunology, 2000, 121, 458-465.	1.1	147
104	Influenza virus inhibits amiloride-sensitive Na+ channels in respiratory epithelia. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10282-10287.	3.3	109
105	Apoptosis of vascular smooth muscle cells induced by cholesterol and its oxides in vitro and in vivo. Atherosclerosis, 2000, 148, 365-374.	0.4	54
106	Flow cytometry of plant cells with applications in large-scale bioprocessing. Biotechnology Advances, 1999, 17, 3-27.	6.0	51
107	Analysis of cell cycle activity and population dynamics in heterogeneous plant cell suspensions using flow cytometry. , 1998, 58, 515-528.		32
108	Structural Selectivity and Molecular Nature ofl-Glutamate Transport in Cultured Human Fibroblasts. Archives of Biochemistry and Biophysics, 1998, 353, 356-364.	1.4	44

#	Article	IF	Citations
109	COmputer-Assisted Learning: Evaluation of a medical diagnostic reasoning program. The Journal of Audiovisual Media in Medicine, 1997, 20, 137-138.	0.1	1
110	Expression of Immunoglobulin Superfamily Cell Adhesion Molecules on Murine Embryonic Stem Cells1. Biology of Reproduction, 1997, 57, 561-568.	1.2	66
111	Migration of Foreign Lymphocytes from the Mouse Vagina into the Cervicovaginal Mucosa and to the Iliac Lymph Nodes1. Biology of Reproduction, 1997, 56, 537-543.	1.2	40
112	The Generation of1H-NMR-Detectable Mobile Lipid in Stimulated Lymphocytes: Relationship to Cellular Activation, the Cell Cycle, and Phosphatidylcholine-Specific Phospholipase C. Biochemical and Biophysical Research Communications, 1997, 239, 868-874.	1.0	33
113	Human retinoblastoma: in vitro differentiation and immunoglobulin superfamily antigen modulation by retinoic acid. Cancer Immunology, Immunotherapy, 1997, 44, 189-196.	2.0	6
114	1H-NMR visible neutral lipids in activated T lymphocytes: relationship to phosphatidylcholine cycling. Lipids and Lipid Metabolism, 1996, 1303, 215-221.	2.6	17
115	Early Induction of Interferon-Independent Virus-Specific ICAM-1 (CD54) Expression by Flavivirus in Quiescent but Not Proliferating Fibroblastsâ€" Implications for Virus-Host Interactions. Virology, 1995, 208, 437-449.	1.1	28
116	ONTOGENY OF MAJOR HISTOCOMPATIBILITY COMPLEX ANTIGEN EXPRESSION ON CULTURED HUMAN EMBRYONIC SKELETAL MYOBLASTS. Transplantation, 1994, 58, 585-591.	0.5	9
117	Two-Dimensional 1H NMR Studies of Membrane Changes during the Activation of Primary T Lymphocytes. ImmunoMethods, 1994, 4, 127-138.	0.8	17
118	1H Magnetic Resonance Spectroscopy of Primary Human and Murine Cells of the Myeloid Lineage. ImmunoMethods, 1994, 4, 188-198.	0.8	24
119	Na+-dependent high affinity uptake ofl-glutamate in primary cultures of human fibroblasts isolated from three different types of tissue. FEBS Letters, 1994, 339, 50-54.	1.3	25
120	HIV infection of placental macrophages: their potential role in vertical transmission. Journal of Leukocyte Biology, 1994, 56, 241-246.	1.5	31
121	Human Immunodeficiency Virus Type 1 Infection of Human Placental Macrophages In Vitro. Journal of Infectious Diseases, 1993, 168, 571-579.	1.9	67
122	An NMR investigation of the changes in plasma membrane triglyceride and phospholipid precursors during the activation of T-lymphocytes. Biochemistry, 1992, 31, 9098-9106.	1.2	28
123	Flavivirus induces MHC antigen on human myoblasts: A model of autoimmune myositis?. Muscle and Nerve, 1992, 15, 1271-1277.	1.0	38
124	Magnetic resonance studies of murine macrophages. FEBS Letters, 1991, 287, 97-101.	1.3	18
125	The effects of West Nile virus on major histocompatibility complex class I and II molecule expression by Lewis rat Schwann cells in vitro. Journal of Neuroimmunology, 1991, 35, 273-284.	1.1	38
126	Elevated MHC class I and II antigens in cultured human embryonic myoblasts following stimulation with Î³â€interferon. Immunology and Cell Biology, 1990, 68, 235-242.	1.0	44

#	Article	IF	Citations
127	Immunodeficient mice recover from infection with vaccinia virus expressing interferon-Î³. European Journal of Immunology, 1990, 20, 157-161.	1.6	126
128	Development of the â€œactivatedâ€•high resolution1H MR spectrum in murine T cells and B cells occurs in G1 phase of the cell cycle. Magnetic Resonance in Medicine, 1990, 16, 1-8.	1.9	37
129	Flavivirus infection up-regulates the expression of class I and class II major histocompatibility antigens on and enhances T cell recognition of astrocytes in vitro. Journal of Neuroimmunology, 1989, 21, 157-168.	1.1	76
130	Induction of class I major histocompatibility complex antigen expression by West Nile virus on gamma interferon-refractory early murine trophoblast cells.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 911-915.	3.3	54
131	West Nile Virus Infection Modulates the Expression of Class I and Class II MHC Antigens on Astrocytes in Vitro. Annals of the New York Academy of Sciences, 1988, 540, 483-485.	1.8	27
132	The appearance of surface H-2 antigens on fetal and postnatal murine hepatocytes in vivo and in vitro: A comparative study of MHC control. Immunogenetics, 1986, 23, 18-23.	1.2	4
133	Relationship between surface H-2 concentration, size of different target cells, and lysis by cytotoxic T cells. Cellular Immunology, 1986, 98, 525-532.	1.4	21
134	Comparison of functional properties of thymic and splenic dendritic cells. Cellular Immunology, 1986, 102, 152-167.	1.4	19
135	Flow cytometric analysis of immunogold cell surface label. Cytometry, 1984, 5, 543-546.	1.8	28
136	Immuno-gold labeling for flow cytometric analysis. Journal of Immunological Methods, 1984, 74, 49-57.	0.6	14
137	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. , 0, .		1