

# Jason Kindrachuk

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

5,578  
citations

109321

35  
h-index

91884

69  
g-index

80  
all docs

80  
docs citations

80  
times ranked

9737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Repurposing of Clinically Developed Drugs for Treatment of Middle East Respiratory Syndrome Coronavirus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4885-4893.	3.2	564
2	Virology, transmission, and pathogenesis of SARS-CoV-2. <i>BMJ, The</i> , 2020, 371, m3862.	6.0	515
3	The biocompatibility and biofilm resistance of implant coatings based on hydrophilic polymer brushes conjugated with antimicrobial peptides. <i>Biomaterials</i> , 2011, 32, 3899-3909.	11.4	351
4	Antiviral Potential of ERK/MAPK and PI3K/AKT/mTOR Signaling Modulation for Middle East Respiratory Syndrome Coronavirus Infection as Identified by Temporal Kinome Analysis. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1088-1099.	3.2	344
5	Antimicrobial peptides on calcium phosphate-coated titanium for the prevention of implant-associated infections. <i>Biomaterials</i> , 2010, 31, 9519-9526.	11.4	305
6	Synthetic Cationic Peptide IDR-1002 Provides Protection against Bacterial Infections through Chemokine Induction and Enhanced Leukocyte Recruitment. <i>Journal of Immunology</i> , 2010, 184, 2539-2550.	0.8	203
7	Screening and Characterization of Surface-Tethered Cationic Peptides for Antimicrobial Activity. <i>Chemistry and Biology</i> , 2009, 16, 58-69.	6.0	197
8	Interferon- $\beta$ and mycophenolic acid are potent inhibitors of Middle East respiratory syndrome coronavirus in cell-based assays. <i>Journal of General Virology</i> , 2014, 95, 571-577.	2.9	191
9	2019-nCoV (Wuhan virus), a novel Coronavirus: human-to-human transmission, travel-related cases, and vaccine readiness. <i>Journal of Infection in Developing Countries</i> , 2020, 14, 3-17.	1.2	162
10	Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome: Current Therapeutic Options and Potential Targets for Novel Therapies. <i>Drugs</i> , 2017, 77, 1935-1966.	10.9	156
11	Structural Studies of a Peptide with Immune Modulating and Direct Antimicrobial Activity. <i>Chemistry and Biology</i> , 2010, 17, 970-980.	6.0	143
12	Intracellular Receptor for Human Host Defense Peptide LL-37 in Monocytes. <i>Journal of Immunology</i> , 2009, 183, 2688-2696.	0.8	139
13	Cost-effective expression and purification of antimicrobial and host defense peptides in <i>Escherichia coli</i> . <i>Peptides</i> , 2010, 31, 1957-1965.	2.4	137
14	Selective Extraction and Characterization of a Histidine-Phosphorylated Peptide Using Immobilized Copper(II) Ion Affinity Chromatography and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 1741-1747.	6.5	136
15	Antibacterial Surfaces Based on Polymer Brushes: Investigation on the Influence of Brush Properties on Antimicrobial Peptide Immobilization and Antimicrobial Activity. <i>Biomacromolecules</i> , 2011, 12, 3715-3727.	5.4	132
16	COVID-19 false dichotomies and a comprehensive review of the evidence regarding public health, COVID-19 symptomatology, SARS-CoV-2 transmission, mask wearing, and reinfection. <i>BMC Infectious Diseases</i> , 2021, 21, 710.	2.9	118
17	Innate Defense Regulator Peptide 1018 in Wound Healing and Wound Infection. <i>PLoS ONE</i> , 2012, 7, e39373.	2.5	117
18	A year of terror and a century of reflection: perspectives on the great influenza pandemic of 1918-1919. <i>BMC Infectious Diseases</i> , 2019, 19, 117.	2.9	88

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19	Manipulation of innate immunity by a bacterial secreted peptide: Lantibiotic nisin Z is selectively immunomodulatory. <i>Innate Immunity</i> , 2013, 19, 315-327.	2.4	82
20	Effective Adjunctive Therapy by an Innate Defense Regulatory Peptide in a Preclinical Model of Severe Malaria. <i>Science Translational Medicine</i> , 2012, 4, 135ra64.	12.4	81
21	Ebola Virion Attachment and Entry into Human Macrophages Profoundly Effects Early Cellular Gene Expression. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1359.	3.0	79
22	A novel vaccine adjuvant comprised of a synthetic innate defence regulator peptide and CpG oligonucleotide links innate and adaptive immunity. <i>Vaccine</i> , 2009, 27, 4662-4671.	3.8	72
23	Effect of BMAP-28 Antimicrobial Peptides on <i>Leishmania major</i> Promastigote and Amastigote Growth: Role of Leishmanolysin in Parasite Survival. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1141.	3.0	70
24	Persistence and Sexual Transmission of Filoviruses. <i>Viruses</i> , 2018, 10, 683.	3.3	62
25	Immunization with PCEP microparticles containing pertussis toxoid, CpG ODN and a synthetic innate defense regulator peptide induces protective immunity against pertussis. <i>Vaccine</i> , 2011, 29, 6540-6548.	3.8	61
26	PIIKA 2: An Expanded, Web-Based Platform for Analysis of Kinome Microarray Data. <i>PLoS ONE</i> , 2013, 8, e80837.	2.5	60
27	SARS-CoV-2 infection in the Syrian hamster model causes inflammation as well as type I interferon dysregulation in both respiratory and non-respiratory tissues including the heart and kidney. <i>PLoS Pathogens</i> , 2021, 17, e1009705.	4.7	60
28	Systems Kinomics Demonstrates Congo Basin Monkeypox Virus Infection Selectively Modulates Host Cell Signaling Responses as Compared to West African Monkeypox Virus. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.015701.	3.8	59
29	Filovirus RefSeq Entries: Evaluation and Selection of Filovirus Type Variants, Type Sequences, and Names. <i>Viruses</i> , 2014, 6, 3663-3682.	3.3	49
30	Ebola Virus Modulates Transforming Growth Factor $\beta$ 2 Signaling and Cellular Markers of Mesenchyme-Like Transition in Hepatocytes. <i>Journal of Virology</i> , 2014, 88, 9877-9892.	3.4	49
31	The Influence of Protein Structure on the Products Emerging from Succinimide Hydrolysis. <i>Journal of Biological Chemistry</i> , 2002, 277, 30502-30507.	3.4	47
32	The future of zoonotic risk prediction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200358.	4.0	47
33	Biomembrane Interactions Reveal the Mechanism of Action of Surface-Immobilized Host Defense IDR-1010 Peptide. <i>Chemistry and Biology</i> , 2012, 19, 199-209.	6.0	41
34	Stability, toxicity, and biological activity of host defense peptide BMAP28 and its inverted and retro-inverted isomers. <i>Biopolymers</i> , 2011, 96, 14-24.	2.4	39
35	1918 pandemic influenza virus and <i>Streptococcus pneumoniae</i> co-infection results in activation of coagulation and widespread pulmonary thrombosis in mice and humans. <i>Journal of Pathology</i> , 2016, 238, 85-97.	4.5	39
36	A Comparative Analysis of Factors Influencing Two Outbreaks of Middle Eastern Respiratory Syndrome (MERS) in Saudi Arabia and South Korea. <i>Viruses</i> , 2019, 11, 1119.	3.3	38

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37	Overexpression of L-Isoaspartate O-Methyltransferase in Escherichia coli Increases Heat Shock Survival by a Mechanism Independent of Methyltransferase Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 50880-50886.	3.4	35
38	Structure-Activity Relationships of Multifunctional Host Defence Peptides. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010, 10, 596-614.	2.4	34
39	Nucleic Acids Exert a Sequence-independent Cooperative Effect on Sequence-dependent Activation of Toll-like Receptor 9. <i>Journal of Biological Chemistry</i> , 2007, 282, 13944-13953.	3.4	29
40	Longitudinal Human Antibody Repertoire against Complete Viral Proteome from Ebola Virus Survivor Reveals Protective Sites for Vaccine Design. <i>Cell Host and Microbe</i> , 2020, 27, 262-276.e4.	11.0	29
41	Importance of Residue 13 and the C-Terminus for the Structure and Activity of the Antimicrobial Peptide Aurein 2.2. <i>Biophysical Journal</i> , 2010, 99, 2926-2935.	0.5	27
42	Evidence of Ebola Virus Replication and High Concentration in Semen of a Patient During Recovery. <i>Clinical Infectious Diseases</i> , 2017, 65, 1400-1403.	5.8	26
43	Zika virus dysregulates human Sertoli cell proteins involved in spermatogenesis with little effect on tight junctions. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008335.	3.0	25
44	Longitudinal peripheral blood transcriptional analysis of a patient with severe Ebola virus disease. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	23
45	Acute hepatitis of unknown origin in children. <i>BMJ, The</i> , 2022, 377, o1197.	6.0	22
46	Characterization of Host and Bacterial Contributions to Lung Barrier Dysfunction Following Co-infection with 2009 Pandemic Influenza and Methicillin Resistant Staphylococcus aureus. <i>Viruses</i> , 2019, 11, 116.	3.3	21
47	The NIAID Integrated Research Facility at Frederick, Maryland: a unique international resource to facilitate medical countermeasure development for BSL-4 pathogens. <i>Pathogens and Disease</i> , 2014, 71, 213-218.	2.0	19
48	Integration of Global Analyses of Host Molecular Responses with Clinical Data To Evaluate Pathogenesis and Advance Therapies for Emerging and Re-emerging Viral Infections. <i>ACS Infectious Diseases</i> , 2016, 2, 787-799.	3.8	19
49	Phosphoproteome and Kinome Analysis: Unique Perspectives on the Same Problem. <i>Current Analytical Chemistry</i> , 2007, 3, 1-15.	1.2	18
50	Influenza A and methicillin-resistant Staphylococcus aureus co-infection in rhesus macaques – A model of severe pneumonia. <i>Antiviral Research</i> , 2016, 129, 120-129.	4.1	18
51	Toll-like Interleukin 1 Receptor Regulator Is an Important Modulator of Inflammation Responsive Genes. <i>Frontiers in Immunology</i> , 2019, 10, 272.	4.8	18
52	Activation and Regulation of Toll-like Receptor 9: CpGs and Beyond. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008, 8, 590-600.	2.4	17
53	Kinotypes: stable species- and individual-specific profiles of cellular kinase activity. <i>BMC Genomics</i> , 2013, 14, 854.	2.8	17
54	Characterization of the Host Response to Pichinde Virus Infection in the Syrian Golden Hamster by Species-Specific Kinome Analysis. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 646-657.	3.8	16

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55	ABSL-4 Aerobiology Biosafety and Technology at the NIH/NIAID Integrated Research Facility at Fort Detrick. <i>Viruses</i> , 2014, 6, 137-150.	3.3	15
56	The PhoQ-Activating Potential of Antimicrobial Peptides Contributes to Antimicrobial Efficacy and Is Predictive of the Induction of Bacterial Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4374-4381.	3.2	14
57	Sex and age bias viral burden and interferon responses during SARS-CoV-2 infection in ferrets. <i>Scientific Reports</i> , 2021, 11, 14536.	3.3	14
58	Allergen inhalation generates pro-inflammatory oxidised phosphatidylcholine associated with airway dysfunction. <i>European Respiratory Journal</i> , 2021, 57, 2000839.	6.7	13
59	HIV-Captured DCs Regulate T Cell Migration and Cell-Cell Contact Dynamics to Enhance Viral Spread. <i>IScience</i> , 2020, 23, 101427.	4.1	12
60	1918 Influenza receptor binding domain variants bind and replicate in primary human airway cells regardless of receptor specificity. <i>Virology</i> , 2016, 493, 238-246.	2.4	10
61	Retro-inversion enhances the adjuvant and CpG co-adjuvant activity of host defence peptide Bac2A. <i>Vaccine</i> , 2010, 28, 2945-2956.	3.8	9
62	Substitution of Aspartate and Glutamate for Active Center Histidines in the Escherichia coli Phosphoenolpyruvate: Sugar Phosphotransferase System Maintain Phosphotransfer Potential. <i>Journal of Biological Chemistry</i> , 2001, 276, 41588-41593.	3.4	7
63	Intramolecular rearrangements as a consequence of the dephosphorylation of phosphoaspartate residues in proteins. <i>FEBS Letters</i> , 2003, 538, 77-80.	2.8	6
64	CHAPTER 6. Sample Preparation and Profiling: Probing the Kinome for Biomarkers and Therapeutic Targets: Peptide Arrays for Global Phosphorylation-Mediated Signal Transduction. <i>RSC Drug Discovery Series</i> , 2013, , 162-195.	0.3	5
65	Systems kinomics for characterizing host responses to high-consequence pathogens at the NIH/NIAID Integrated Research Facility-Frederick. <i>Pathogens and Disease</i> , 2014, 71, 190-198.	2.0	4
66	Selective inhibition of host cell signaling for rotavirus antivirals: PI3K/Akt/mTOR-mediated rotavirus pathogenesis. <i>Virulence</i> , 2018, 9, 5-8.	4.4	4
67	Dysregulated Host Responses Underlie 2009 Pandemic Influenza-Methicillin Resistant Staphylococcus aureus Coinfection Pathogenesis at the Alveolar-Capillary Barrier. <i>Cells</i> , 2020, 9, 2472.	4.1	3
68	SARS-CoV-2 and the Missing Link of Intermediate Hosts in Viral Emergence - What We Can Learn From Other Betacoronaviruses. <i>Frontiers in Virology</i> , 0, 2, .	1.4	3
69	Host Defense Peptides: Bridging Antimicrobial and Immunomodulatory Activities*. , 2010, , 175-216.		2
70	Variola Virus: Clinical, Molecular, and Bioterrorism Perspectives. , 2019, , 55-102.		1
71	Nonhuman primates exposed to Zika virus in utero are not protected against reinfection at 1 year postpartum. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	1
72	Integrating Proteomics for Facilitating Drug Identification and Repurposing During an Emerging Virus Pandemic. <i>ACS Infectious Diseases</i> , 2021, 7, 1303-1316.	3.8	1

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73	Towards a coordinated strategy for intercepting human disease emergence in Africa. <i>Lancet Microbe, The</i> , 2021, 2, e51-e52.	7.3	1
74	The Role of Viral Protein Phosphorylation During Filovirus Infection. , 2015, , 791-813.		0
75	1543: A MODEL OF LONG-TERM INTENSIVE SUPPORTIVE CARE IN NONHUMAN PRIMATES. <i>Critical Care Medicine</i> , 2018, 46, 755-755.	0.9	0