Erik Albert Karlsson

List of Publications by Year
in descending order

85	4,145	117453	123241
papers	citations	34 h-index	61 g-index

92	92	92	5997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Obesity is associated with impaired immune response to influenza vaccination in humans. International Journal of Obesity, 2012, 36, 1072-1077.	1.6	492
2	The burden of obesity on infectious disease. Experimental Biology and Medicine, 2010, 235, 1412-1424.	1.1	241
3	Photosensitized Water Oxidation by Use of a Bioinspired Manganese Catalyst. Angewandte Chemie - International Edition, 2011, 50, 11715-11718.	7.2	214
4	Diet-Induced Obesity Impairs the T Cell Memory Response to Influenza Virus Infection. Journal of Immunology, 2010, 184, 3127-3133.	0.4	202
5	Increased risk of influenza among vaccinated adults who are obese. International Journal of Obesity, 2017, 41, 1324-1330.	1.6	200
6	Overweight and obese adult humans have a defective cellular immune response to pandemic H1N1 Influenza a virus. Obesity, 2013, 21, 2377-2386.	1.5	143
7	Astrovirus Biology and Pathogenesis. Annual Review of Virology, 2017, 4, 327-348.	3.0	132
8	A novel SARS-CoV-2 related coronavirus in bats from Cambodia. Nature Communications, 2021, 12, 6563.	5.8	127
9	Gut Microbiome Composition Predicts Infection Risk During Chemotherapy in Children With Acute Lymphoblastic Leukemia. Clinical Infectious Diseases, 2018, 67, 541-548.	2.9	122
10	B Cell Activity Is Impaired in Human and Mouse Obesity and Is Responsive to an Essential Fatty Acid upon Murine Influenza Infection. Journal of Immunology, 2017, 198, 4738-4752.	0.4	115
11	Diet-Induced Obesity in Mice Reduces the Maintenance of Influenza-Specific CD8+ Memory T Cells ,. Journal of Nutrition, 2010, 140, 1691-1697.	1.3	102
12	Visualizing real-time influenza virus infection, transmission and protection in ferrets. Nature Communications, 2015, 6, 6378.	5.8	101
13	Mammalian adaptation of influenza A(H7N9) virus is limited by a narrow genetic bottleneck. Nature Communications, 2015, 6, 6553.	5.8	90
14	Obesity-Related Microenvironment Promotes Emergence of Virulent Influenza Virus Strains. MBio, 2020, 11, .	1.8	85
15	Inventory of molecular markers affecting biological characteristics of avian influenza A viruses. Virus Genes, 2019, 55, 739-768.	0.7	83
16	Obesity Outweighs Protection Conferred by Adjuvanted Influenza Vaccination. MBio, 2016, 7, .	1.8	76
17	Fish Oil-Fed Mice Have Impaired Resistance to Influenza Infection ,. Journal of Nutrition, 2009, 139, 1588-1594.	1.3	74
18	Diet-Induced Obese Mice Exhibit Altered Heterologous Immunity during a Secondary 2009 Pandemic H1N1 Infection. Journal of Immunology, 2013, 191, 2474-2485.	0.4	69

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19	Non-Human Primates Harbor Diverse Mammalian and Avian Astroviruses Including Those Associated with Human Infections. PLoS Pathogens, 2015, 11, e1005225.	2.1	68
20	Serum Proinflammatory Cytokine Responses to Influenza Virus Vaccine among Women during Pregnancy versus Nonâ€Pregnancy. American Journal of Reproductive Immunology, 2013, 70, 45-53.	1.2	54
21	Respiratory transmission of an avian H3N8 influenza virus isolated from a harbour seal. Nature Communications, 2014, 5, 4791.	5.8	54
22	The Hemagglutinin Protein of Highly Pathogenic H5N1 Influenza Viruses Overcomes an Early Block in the Replication Cycle To Promote Productive Replication in Macrophages. Journal of Virology, 2013, 87, 1411-1419.	1.5	51
23	Proinflammatory cytokine responses correspond with subjective side effects after influenza virus vaccination. Vaccine, 2015, 33, 3360-3366.	1.7	51
24	Review on the impact of pregnancy and obesity on influenza virus infection. Influenza and Other Respiratory Viruses, 2012, 6, 449-460.	1.5	50
25	Bacterial Factors Required for Transmission of Streptococcus pneumoniae in Mammalian Hosts. Cell Host and Microbe, 2019, 25, 884-891.e6.	5.1	48
26	Assessment of inactivation procedures for SARS-CoV-2. Journal of General Virology, 2021, 102, .	1.3	48
27	Efficient Reoxidation of Palladium by a Hybrid Catalyst in Aerobic Palladiumâ€Catalyzed Carbocyclization of Enallenes. Chemistry - A European Journal, 2009, 15, 6799-6801.	1.7	45
28	Increased Pathogenicity of a Reassortant 2009 Pandemic H1N1 Influenza Virus Containing an H5N1 Hemagglutinin. Journal of Virology, 2011, 85, 12262-12270.	1.5	44
29	The antibody response to influenza vaccination is not impaired in type 2 diabetics. Vaccine, 2015, 33, 3306-3313.	1.7	43
30	Co-circulation of Influenza A H5, H7, and H9 Viruses and Co-infected Poultry in Live Bird Markets, Cambodia. Emerging Infectious Diseases, 2018, 24, 352-355.	2.0	39
31	An Epithelial Integrin Regulates the Amplitude of Protective Lung Interferon Responses against Multiple Respiratory Pathogens. PLoS Pathogens, 2016, 12, e1005804.	2.1	37
32	Human H7N9 and H5N1 Influenza Viruses Differ in Induction of Cytokines and Tissue Tropism. Journal of Virology, 2014, 88, 12982-12991.	1.5	36
33	Prevalence and characterization of influenza viruses in diverse species in Los Llanos, Colombia. Emerging Microbes and Infections, 2013, 2, 1-10.	3.0	35
34	Efficient Aerobic Rutheniumâ€Catalyzed Oxidation of Secondary Alcohols by the Use of a Hybrid Electron Transfer Catalyst. European Journal of Organic Chemistry, 2010, 2010, 1971-1976.	1.2	34
35	Synthesis and Electronâ€Transfer Processes in a New Family of Ligands for Coupled Ruâ^'Mn₂ Complexes. ChemPlusChem, 2014, 79, 936-950.	1.3	33
36	Influenza Virus-Specific Immunological Memory Is Enhanced by Repeated Social Defeat. Journal of Immunology, 2010, 184, 2014-2025.	0.4	32

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37	Mechanism of the Palladiumâ€Catalyzed Carbohydroxylation of Alleneâ€Substituted Conjugated Dienes: Rationalization of the Recently Observed Nucleophilic Attack by Water on a (Ï€â€Allyl)palladium Intermediate. Chemistry - A European Journal, 2008, 14, 9175-9180.	1.7	31
38	Taking a bite out of nutrition and arbovirus infection. PLoS Neglected Tropical Diseases, 2018, 12, e0006247.	1.3	31
39	Influenza Virus Infection in Nonhuman Primates. Emerging Infectious Diseases, 2012, 18, 1672-1675.	2.0	29
40	Yeast Surface-Displayed H5N1 Avian Influenza Vaccines. Journal of Immunology Research, 2016, 2016, 1-12.	0.9	26
41	A Perfect Storm: Increased Colonization and Failure of Vaccination Leads to Severe Secondary Bacterial Infection in Influenza Virus-Infected Obese Mice. MBio, 2017, 8, .	1.8	26
42	Quantifying within-host diversity of H5N1 influenza viruses in humans and poultry in Cambodia. PLoS Pathogens, 2020, 16, e1008191.	2.1	22
43	Wild birds in Chile Harbor diverse avian influenza A viruses. Emerging Microbes and Infections, 2018, 7, 1-4.	3.0	20
44	Avian H11 influenza virus isolated from domestic poultry in a Colombian live animal market. Emerging Microbes and Infections, 2016, 5, 1-9.	3.0	19
45	Vitamin A Corrects Tissue Deficits in Dietâ€Induced Obese Mice and Reduces Influenza Infection After Vaccination and Challenge. Obesity, 2020, 28, 1631-1636.	1.5	19
46	Glycerol-3-Phosphate Acyltransferase 1 Is Essential for the Immune Response to Infection with Coxsackievirus B3 in Mice. Journal of Nutrition, 2009, 139, 779-783.	1.3	16
47	Human Infection with Avian Influenza A(H9N2) Virus, Cambodia, February 2021. Emerging Infectious Diseases, 2021, 27, 2742-2745.	2.0	16
48	Oxidation of Ethers, Alcohols, and Unfunctionalized Hydrocarbons by the Methyltrioxorhenium/H₂O₂ System: A Computational Study on Catalytic Cï£¿H Bond Activation. Chemistry - A European Journal, 2009, 15, 1862-1869.	1.7	15
49	Detection of Low Pathogenicity Influenza A(H7N3) Virus during Duck Mortality Event, Cambodia, 2017. Emerging Infectious Diseases, 2018, 24, 1103-1107.	2.0	15
50	Avian influenza virus detection, temporality and co-infection in poultry in Cambodian border provinces, 2017â€“2018. Emerging Microbes and Infections, 2019, 8, 637-639.	3.0	15
51	Genetic and Antigenic Characterization of an Influenza A(H3N2) Outbreak in Cambodia and the Greater Mekong Subregion during the COVID-19 Pandemic, 2020. Journal of Virology, 2021, 95, e0126721.	1.5	15
52	Efficient Synthesis of Hybrid (Hydroquinoneâ€“Schiff base)cobalt Oxidation Catalysts. European Journal of Organic Chemistry, 2009, 2009, 3973-3976.	1.2	14
53	Avian influenza in the Greater Mekong Subregion, 2003â€“2018. Infection, Genetics and Evolution, 2019, 74, 103920.	1.0	14
54	Influenza A(H5N1) viruses with A(H9N2) single gene (matrix or PB1) reassortment isolated from Cambodian live bird markets. Virology, 2018, 523, 22-26.	1.1	13

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55	Circulation and characterization of seasonal influenza viruses in Cambodia, 2012â€2015. Influenza and Other Respiratory Viruses, 2019, 13, 465-476.	1.5	13
56	Influence of obesity on the response to influenza infection and vaccination. , 2019, , 227-259.		13
57	Swine Influenza Virus (H1N2) Characterization and Transmission in Ferrets, Chile. Emerging Infectious Diseases, 2017, 23, 241-251.	2.0	12
58	Measuring Influenza Virus Infection Using Bioluminescent Reporter Viruses for In Vivo Imaging and In Vitro Replication Assays. Methods in Molecular Biology, 2018, 1836, 431-459.	0.4	12
59	Effects of prior influenza virus vaccination on maternal antibody responses: Implications for achieving protection in the newborns. Vaccine, 2017, 35, 5283-5290.	1.7	11
60	Emergence of Influenza A(H7N4) Virus, Cambodia. Emerging Infectious Diseases, 2019, 25, 1988-1991.	2.0	10
61	Diversity of A(H5N1) clade 2.3.2.1c avian influenza viruses with evidence of reassortment in Cambodia, 2014-2016. PLoS ONE, 2019, 14, e0226108.	1.1	10
62	The evolution and genetic diversity of avian influenza A(H9N2) viruses in Cambodia, 2015 â€“ 2016. PLoS ONE, 2019, 14, e0225428.	1.1	10
63	Robust and Functional Immune Memory Up to 9 Months After SARS-CoV-2 Infection: A Southeast Asian Longitudinal Cohort. Frontiers in Immunology, 2022, 13, 817905.	2.2	10
64	Protective Capacity of Statins during Pneumonia Is Dependent on Etiological Agent and Obesity. Frontiers in Cellular and Infection Microbiology, 2018, 8, 41.	1.8	9
65	Vascular Permeability Drives Susceptibility to Influenza Infection in a Murine Model of Sickle Cell Disease. Scientific Reports, 2017, 7, 43308.	1.6	7
66	Comparative Safety and Efficacy Profile of a Novel Oil in Water Vaccine Adjuvant Comprising Vitamins A and E and a Catechin in Protective Anti-Influenza Immunity. Nutrients, 2017, 9, 516.	1.7	7
67	Evidence of exposure and human seroconversion during an outbreak of avian influenza A(H5N1) among poultry in Cameroon. Emerging Microbes and Infections, 2019, 8, 186-196.	3.0	6
68	Early Changes in Interferon Gene Expression and Antibody Responses Following Influenza Vaccination in Pregnant Women. Journal of Infectious Diseases, 2022, 225, 341-351.	1.9	6
69	Transmission experiments support clade-level differences in the transmission and pathogenicity of Cambodian influenza A/H5N1 viruses. Emerging Microbes and Infections, 2020, 9, 1702-1711.	3.0	5
70	The continuing search for the origins of SARS-CoV-2. Cell, 2021, 184, 4373-4374.	13.5	4
71	Astroviruses as Foodborne Infections. , 2013, , 293-301.		3
72	Viral Infections and Nutrition: Influenza Virus as a Case Study. , 2021, , 133-163.		3

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73	Rapid Generation of In-House Serological Assays Is Comparable to Commercial Kits Critical for Early Response to Pandemics: A Case With SARS-CoV-2. Frontiers in Medicine, 2022, 9, .	1.2	3
74	Editorial: Nutritional Aspects of Immunity and Immunometabolism in Health and Disease. Frontiers in Immunology, 2020, 11, 595115.	2.2	2
75	Seroepidemiological Survey of Equine Influenza a H3N8 in Horses from the Eastern Region of the United States-Mexico Border. Journal of Animal and Veterinary Advances, 2012, 11, 2250-2255.	0.1	2
76	Dietâ€induced obesity impairs the T cell memory response to influenza virus infection. FASEB Journal, 2009, 23, 110.3.	0.2	2
77	A Look inside the Replication Dynamics of SARS-CoV-2 in Blythâ€™s Horseshoe Bat (<i>Rhinolophus) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	2
78	Setting a trap for respiratory viruses. Virulence, 2016, 7, 740-741.	1.8	0
79	What can imaging tell us about influenza virus transmission and protection?. Future Virology, 2016, 11, 583-590.	0.9	0
80	Vaccination protects obese mice from morbidity and mortality associated with influenza virus infection. FASEB Journal, 2006, 20, .	0.2	0
81	Lack of GPAT1 enhances the pathology associated with coxsackievirus B3 infection in mice. FASEB Journal, 2007, 21, A63.	0.2	0
82	Obese individuals demonstrate a defective response to influenza A virus infection compared with healthy weight individuals. FASEB Journal, 2011, 25, 222.4.	0.2	0
83	Fat flu: the obese host in influenza virus evolution. FASEB Journal, 2012, 26, 127.7.	0.2	0
84	Obesity increases the severity of secondary bacterial coinfection following influenza virus infection. FASEB Journal, 2013, 27, 123.4.	0.2	0
85	Dietâ€induced obese mice exhibit heightened lung inflammatory and crossâ€reactive CD8 T cell responses during a secondary 2009 pandemic H1N1 influenza infection. FASEB Journal, 2013, 27, 357.3.	0.2	0