

Axel Karger

List of Publications by Year in descending order

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60
papers

2,009
citations

218677

26
h-index

265206

42
g-index

63
all docs

63
docs citations

63
times ranked

2288
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of mass spectrometry imaging in virus research. <i>Advances in Virus Research</i> , 2021, 109, 31-62.	2.1	9
2	The role of glycosylation in the N-terminus of the hemagglutinin of a unique H4N2 with a natural polybasic cleavage site in virus fitness <i>in vitro</i> and <i>in vivo</i> . <i>Virulence</i> , 2021, 12, 666-678.	4.4	5
3	Preferential Selection and Contribution of Non-Structural Protein 1 (NS1) to the Efficient Transmission of Panzootic Avian Influenza H5N8 Virus Clades 2.3.4.4A and B in Chickens and Ducks. <i>Journal of Virology</i> , 2021, 95, e0044521.	3.4	8
4	Comparison of the Proteomes of Porcine Macrophages and a Stable Porcine Cell Line after Infection with African Swine Fever Virus. <i>Viruses</i> , 2021, 13, 2198.	3.3	15
5	Ancient Cytokine Interleukin 15-Like (IL-15L) Induces a Type 2 Immune Response. <i>Frontiers in Immunology</i> , 2020, 11, 549319.	4.8	18
6	Protection of Chickens with Maternal Avian Influenza Virus (AIV) Immunity after Vaccination with a Recombinant AIV-Newcastle Disease Vector. <i>Proceedings (mdpi)</i> , 2020, 50, 83.	0.2	0
7	Coexpression of soluble and membrane-bound avian influenza virus H5 by recombinant Newcastle disease virus leads to an increase in antigen levels. <i>Journal of General Virology</i> , 2020, 101, 473-483.	2.9	5
8	An Update on African Swine Fever Virology. <i>Viruses</i> , 2019, 11, 864.	3.3	84
9	The Transcriptional Landscape of Marek's Disease Virus in Primary Chicken B Cells Reveals Novel Splice Variants and Genes. <i>Viruses</i> , 2019, 11, 264.	3.3	29
10	NK Cell-Mediated Processing Of Chlamydia psittaci Drives Potent Anti-Bacterial Th1 Immunity. <i>Scientific Reports</i> , 2019, 9, 4799.	3.3	11
11	W protein expression by Newcastle disease virus. <i>Virus Research</i> , 2019, 263, 207-216.	2.2	25
12	Chlamydia psittaci -Infected Dendritic Cells Communicate with NK Cells via Exosomes To Activate Antibacterial Immunity. <i>Infection and Immunity</i> , 2019, 88, .	2.2	19
13	Whole animal matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry of ticks – Are spectra of Ixodes ricinus nymphs influenced by environmental, spatial, and temporal factors?. <i>PLoS ONE</i> , 2019, 14, e0210590.	2.5	19
14	Imaging Mass Spectrometry and Proteome Analysis of Marek's Disease Virus-Induced Tumors. <i>MSphere</i> , 2019, 4, .	2.9	11
15	Identification and characterization of the 285L and K145R proteins of African swine fever virus. <i>Journal of General Virology</i> , 2019, 100, 1303-1314.	2.9	16
16	Francisella tularensis and other bacteria in hares and ticks in North Rhine-Westphalia (Germany). <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 325-329.	2.7	19
17	The intracellular proteome of African swine fever virus. <i>Scientific Reports</i> , 2018, 8, 14714.	3.3	59
18	Mito-xenophagic killing of bacteria is coordinated by a metabolic switch in dendritic cells. <i>Scientific Reports</i> , 2017, 7, 3923.	3.3	12

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19	The amino terminal subdomain of glycoprotein Gc of Schmallenberg virus: disulfide bonding and structural determinants of neutralization. <i>Journal of General Virology</i> , 2017, 98, 1259-1273.	2.9	9
20	Current developments to use linear MALDI-TOF spectra for the identification and typing of bacteria and the characterization of other cells/organisms related to infectious diseases. <i>Proteomics - Clinical Applications</i> , 2016, 10, 982-993.	1.6	22
21	Expression, characterisation and antigenicity of a truncated Hendra virus attachment protein expressed in the protozoan host <i>Leishmania tarentolae</i> . <i>Journal of Virological Methods</i> , 2016, 228, 48-54.	2.1	11
22	An alternative method for serum protein depletion/enrichment by precipitation at mildly acidic pH values and low ionic strength. <i>Proteomics</i> , 2015, 15, 1935-1940.	2.2	13
23	ANP32B Is a Nuclear Target of Henipavirus M Proteins. <i>PLoS ONE</i> , 2014, 9, e97233.	2.5	29
24	Identification of a gene for an ancient cytokine, interleukin 15-like, in mammals; interleukins 2 and 15 co-evolved with this third family member, all sharing binding motifs for IL-15R α . <i>Immunogenetics</i> , 2014, 66, 93-103.	2.4	33
25	Rapid identification of differentially virulent genotypes of <i>Paenibacillus</i> larvae, the causative organism of American foulbrood of honey bees, by whole cell MALDI-TOF mass spectrometry. <i>Veterinary Microbiology</i> , 2014, 170, 291-297.	1.9	39
26	Analysis of the bovine plasma proteome by matrix-assisted laser desorption/ionisation time-of-flight tandem mass spectrometry. <i>Veterinary Journal</i> , 2014, 199, 175-180.	1.7	15
27	German <i>Francisella tularensis</i> isolates from European brown hares (<i>Lepus europaeus</i>) reveal genetic and phenotypic diversity. <i>BMC Microbiology</i> , 2013, 13, 61.	3.3	66
28	Interlaboratory Comparison of Intact-Cell Matrix-Assisted Laser Desorption Ionization-“Time of Flight Mass Spectrometry Results for Identification and Differentiation of <i>Brucella</i> spp. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3123-3126.	3.9	48
29	Species determination and characterization of developmental stages of ticks by whole-animal matrix-assisted laser desorption/ionization mass spectrometry. <i>Ticks and Tick-borne Diseases</i> , 2012, 3, 78-89.	2.7	75
30	Mesenteric Lymphangitis and Sepsis Due to RTX Toxin-Producing <i>Actinobacillus</i> spp in 2 Foals With Hypothyroidism-“Dysmaturity Syndrome. <i>Veterinary Pathology</i> , 2012, 49, 592-601.	1.7	7
31	Assessment of inactivated human rabies vaccines: Biochemical characterization and genetic identification of virus strains. <i>Vaccine</i> , 2012, 30, 3603-3609.	3.8	10
32	Rapid identification of <i>Burkholderia mallei</i> and <i>Burkholderia pseudomallei</i> by intact cell Matrix-assisted Laser Desorption/Ionisation mass spectrometric typing. <i>BMC Microbiology</i> , 2012, 12, 229.	3.3	54
33	Determination of Serotypes of Shiga Toxin-Producing <i>Escherichia coli</i> Isolates by Intact Cell Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. <i>Applied and Environmental Microbiology</i> , 2011, 77, 896-905.	3.1	40
34	Influence of insertion site of the avian influenza virus haemagglutinin (HA) gene within the Newcastle disease virus genome on HA expression. <i>Journal of General Virology</i> , 2011, 92, 355-360.	2.9	11
35	Rapid characterisation of cell cultures by matrix-assisted laser desorption/ionisation mass spectrometric typing. <i>Journal of Virological Methods</i> , 2010, 164, 116-121.	2.1	33
36	Gene expression profiling of Pseudorabies virus (PrV) infected bovine cells by combination of transcript analysis and quantitative proteomic techniques. <i>Veterinary Microbiology</i> , 2010, 143, 14-20.	1.9	20

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37	Post-Endoplasmic Reticulum Rescue of Unstable MHC Class I Requires Proprotein Convertase PC7. <i>Journal of Immunology</i> , 2010, 184, 2985-2998.	0.8	42
38	Plus- and Minus-End Directed Microtubule Motors Bind Simultaneously to Herpes Simplex Virus Capsids Using Different Inner Tegument Structures. <i>PLoS Pathogens</i> , 2010, 6, e1000991.	4.7	191
39	Diagnosis and strain differentiation of avian influenza viruses by restriction fragment mass analysis. <i>Journal of Virological Methods</i> , 2009, 158, 63-69.	2.1	12
40	A comprehensive proteome map of bovine cerebrospinal fluid. <i>Proteomics</i> , 2009, 9, 5199-5205.	2.2	5
41	Quantitative Whole-Cell Proteome Analysis of Pseudorabies Virus-Infected Cells. <i>Journal of Virology</i> , 2008, 82, 9689-9699.	3.4	28
42	Efficient Incorporation of Tegument Proteins pUL46, pUL49, and pUS3 into Pseudorabies Virus Particles Depends on the Presence of pUL21. <i>Journal of Virology</i> , 2007, 81, 1048-1051.	3.4	27
43	Relevance of the Interaction between Alphaherpesvirus UL3.5 and UL48 Proteins for Virion Maturation and Neuroinvasion. <i>Journal of Virology</i> , 2007, 81, 9307-9318.	3.4	14
44	Evaluation of baculovirus-derived recombinant 53-kDa protein of <i>Trichinella spiralis</i> for detection of <i>Trichinella</i> -specific antibodies in domestic pigs by ELISA. <i>Parasitology Research</i> , 2006, 100, 429-437.	1.6	11
45	Pseudorabies virus particles lacking tegument proteins pUL11 or pUL16 incorporate less full-length pUL36 than wild-type virus, but specifically accumulate a pUL36 N-terminal fragment. <i>Journal of General Virology</i> , 2006, 87, 3503-3507.	2.9	21
46	Composition of Pseudorabies Virus Particles Lacking Tegument Protein US3, UL47, or UL49 or Envelope Glycoprotein E. <i>Journal of Virology</i> , 2006, 80, 1332-1339.	3.4	74
47	Identification, Subviral Localization, and Functional Characterization of the Pseudorabies Virus UL17 Protein. <i>Journal of Virology</i> , 2005, 79, 13442-13453.	3.4	27
48	High-level expression of biologically active bovine alpha interferon by Bovine herpesvirus 1 interferes only marginally with recombinant virus replication in vitro. <i>Journal of General Virology</i> , 2005, 86, 2685-2695.	2.9	10
49	Binding of a N,N'-bis(heteryl) derivative of dispirotriperazine to heparan sulfate residues on the cell surface specifically prevents infection of viruses from different families. <i>Virology</i> , 2003, 311, 134-143.	2.4	44
50	The Pseudorabies Virus UL11 Protein Is a Virion Component Involved in Secondary Envelopment in the Cytoplasm. <i>Journal of Virology</i> , 2003, 77, 5339-5351.	3.4	91
51	Chimeric Bovine Respiratory Syncytial Virus with Attachment and Fusion Glycoproteins Replaced by Bovine Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase and Fusion Proteins. <i>Journal of Virology</i> , 2001, 75, 9367-9377.	3.4	17
52	Identification and ultrastructural characterization of a novel virus from fish. <i>Journal of General Virology</i> , 2001, 82, 2849-2859.	2.9	27
53	Recombinant bovine respiratory syncytial virus with deletions of the G or SH genes: G and F proteins bind heparin. <i>Journal of General Virology</i> , 2001, 82, 631-640.	2.9	71
54	Effects of Truncation of the Carboxy Terminus of Pseudorabies Virus Glycoprotein B on Infectivity. <i>Journal of Virology</i> , 2000, 74, 7137-7145.	3.4	75

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55	Infection of Chinese Hamster Ovary Cells by Pseudorabies Virus. Journal of Virology, 1999, 73, 8019-8026.	3.4	33
56	Simple and rapid purification of alphaherpesviruses by chromatography on a cation exchange membrane. Journal of Virological Methods, 1998, 70, 219-224.	2.1	44
57	Infectivity of a Pseudorabies Virus Mutant Lacking Attachment Glycoproteins C and D. Journal of Virology, 1998, 72, 7341-7348.	3.4	27
58	Glycoprotein gH of Pseudorabies Virus is Essential for Penetration and Propagation in Cell Culture and in the Nervous System of Mice. Journal of General Virology, 1996, 77, 2277-2285.	2.9	56
59	Glycoproteins gIII and gp50 Play Dominant Roles in the Biphasic Attachment of Pseudorabies Virus. Virology, 1993, 194, 654-664.	2.4	108
60	2,3,7,8-Tetrachlorodibenzo-p-dioxin and ethinylestradiol as co-mitogens in cultured rat hepatocytes. Carcinogenesis, 1992, 13, 453-456.	2.8	45