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List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | GATA6 regulates HNF4 and is required for differentiation of visceral endoderm in the mouse embryo. <i>Genes and Development</i> , 1998, 12, 3579-3590. | 5.9 | 589 |
| 2 | GATA-6: A Zinc Finger Transcription Factor That Is Expressed in Multiple Cell Lineages Derived from Lateral Mesoderm. <i>Developmental Biology</i> , 1996, 177, 309-322. | 2.0 | 427 |
| 3 | Role for migratory wild birds in the global spread of avian influenza H5N8. <i>Science</i> , 2016, 354, 213-217. | 12.6 | 362 |
| 4 | Myocardin Is a Critical Serum Response Factor Cofactor in the Transcriptional Program Regulating Smooth Muscle Cell Differentiation. <i>Molecular and Cellular Biology</i> , 2003, 23, 2425-2437. | 2.3 | 325 |
| 5 | Intercontinental Spread of Asian-Origin H5N8 to North America through Beringia by Migratory Birds. <i>Journal of Virology</i> , 2015, 89, 6521-6524. | 3.4 | 306 |
| 6 | Structure and Expression of a Smooth Muscle Cell-specific Gene, SM22 β . <i>Journal of Biological Chemistry</i> , 1995, 270, 13460-13469. | 3.4 | 240 |
| 7 | GATA-5: A Transcriptional Activator Expressed in a Novel Temporally and Spatially-Restricted Pattern during Embryonic Development. <i>Developmental Biology</i> , 1997, 183, 21-36. | 2.0 | 234 |
| 8 | A Serum Response Factor-Dependent Transcriptional Regulatory Program Identifies Distinct Smooth Muscle Cell Sublineages. <i>Molecular and Cellular Biology</i> , 1997, 17, 2266-2278. | 2.3 | 203 |
| 9 | Novel Eurasian Highly Pathogenic Avian Influenza A H5 Viruses in Wild Birds, Washington, USA, 2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 886-890. | 4.3 | 196 |
| 10 | Coordinate transcription of variant surface glycoprotein genes and an expression site associated gene family in <i>Trypanosoma brucei</i> . <i>Cell</i> , 1985, 42, 173-182. | 28.9 | 181 |
| 11 | Emergence of Fatal Avian Influenza in New England Harbor Seals. <i>MBio</i> , 2012, 3, e00166-12. | 4.1 | 161 |
| 12 | Evolutionary dynamics of Newcastle disease virus. <i>Virology</i> , 2009, 391, 64-72. | 2.4 | 145 |
| 13 | Genetic evidence of intercontinental movement of avian influenza in a migratory bird: the northern pintail (<i>Anas acuta</i>). <i>Molecular Ecology</i> , 2008, 17, 4754-4762. | 3.9 | 135 |
| 14 | Highly Pathogenic Avian Influenza Viruses and Generation of Novel Reassortants, United States, 2014-2015. <i>Emerging Infectious Diseases</i> , 2016, 22, 1283-1285. | 4.3 | 132 |
| 15 | Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. <i>PLoS Pathogens</i> , 2020, 16, e1008758. | 4.7 | 127 |
| 16 | Prevalence of Influenza A viruses in wild migratory birds in Alaska: Patterns of variation in detection at a crossroads of intercontinental flyways. <i>Virology Journal</i> , 2008, 5, 71. | 3.4 | 122 |
| 17 | GATA-4 Activates Transcription Via Two Novel Domains That Are Conserved within the GATA-4/5/6 Subfamily. <i>Journal of Biological Chemistry</i> , 1997, 272, 8515-8524. | 3.4 | 120 |
| 18 | Worldwide Phylogenetic Relationship of Avian Poxviruses. <i>Journal of Virology</i> , 2013, 87, 4938-4951. | 3.4 | 112 |

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|----|---|------|-----------|
| 19 | Developmental Pattern of Expression and Genomic Organization of the Calponin-h1 Gene. Journal of Biological Chemistry, 1996, 271, 395-403. | 3.4 | 107 |
| 20 | The Ets protein Spi-B is expressed exclusively in B cells and T cells during development.. Journal of Experimental Medicine, 1996, 184, 203-214. | 8.5 | 101 |
| 21 | Migratory flyway and geographical distance are barriers to the gene flow of influenza virus among North American birds. Ecology Letters, 2012, 15, 24-33. | 6.4 | 86 |
| 22 | SARS-CoV-2 Exposure in Escaped Mink, Utah, USA. Emerging Infectious Diseases, 2021, 27, 988-990. | 4.3 | 78 |
| 23 | Cyclic Avian Mass Mortality in the Northeastern United States Is Associated with a Novel Orthomyxovirus. Journal of Virology, 2015, 89, 1389-1403. | 3.4 | 68 |
| 24 | An invasive cleavage assay for direct quantitation of specific RNAs. Nature Biotechnology, 2001, 19, 673-676. | 17.5 | 66 |
| 25 | North Atlantic Migratory Bird Flyways Provide Routes for Intercontinental Movement of Avian Influenza Viruses. PLoS ONE, 2014, 9, e92075. | 2.5 | 65 |
| 26 | Comparison of Filters for Concentrating Microbial Indicators and Pathogens in Lake Water Samples. Applied and Environmental Microbiology, 2013, 79, 1342-1352. | 3.1 | 63 |
| 27 | Intercontinental reassortment and genomic variation of low pathogenic avian influenza viruses isolated from northern pintails (<i>Anas acuta</i>) in Alaska: Examining the evidence through space and time. Virology, 2010, 401, 179-189. | 2.4 | 62 |
| 28 | Avian influenza at both ends of a migratory flyway: characterizing viral genomic diversity to optimize surveillance plans for North America. Evolutionary Applications, 2009, 2, 457-468. | 3.1 | 61 |
| 29 | Transmission and reassortment of avian influenza viruses at the Asian–North American interface. Virology, 2010, 406, 352-359. | 2.4 | 55 |
| 30 | Characterization of Low-Pathogenicity H5N1 Avian Influenza Viruses from North America. Journal of Virology, 2007, 81, 11612-11619. | 3.4 | 54 |
| 31 | Respiratory transmission of an avian H3N8 influenza virus isolated from a harbour seal. Nature Communications, 2014, 5, 4791. | 12.8 | 54 |
| 32 | Experimental challenge of a North American bat species, big brown bat (<i>Eptesicus fuscus</i>), with SARS-CoV-2. Transboundary and Emerging Diseases, 2021, 68, 3443-3452. | 3.0 | 54 |
| 33 | Genetic diversity and mutation of avian paramyxovirus serotype 1 (Newcastle disease virus) in wild birds and evidence for intercontinental spread. Archives of Virology, 2013, 158, 2495-2503. | 2.1 | 53 |
| 34 | Interspecific exchange of avian influenza virus genes in Alaska: the influence of trans-hemispheric migratory tendency and breeding ground sympatry. Molecular Ecology, 2011, 20, 1015-1025. | 3.9 | 47 |
| 35 | Influence of Body Condition on Influenza A Virus Infection in Mallard Ducks: Experimental Infection Data. PLoS ONE, 2011, 6, e22633. | 2.5 | 46 |
| 36 | Novel H5 Clade 2.3.4.4 Reassortant (H5N1) Virus from a Green-Winged Teal in Washington, USA. Genome Announcements, 2015, 3, . | 0.8 | 45 |

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|----|---|-----|-----------|
| 37 | Experimental Infection of a North American Raptor, American Kestrel (<i>Falco sparverius</i>), with Highly Pathogenic Avian Influenza Virus (H5N1). <i>PLoS ONE</i> , 2009, 4, e7555. | 2.5 | 44 |
| 38 | Fluid Spatial Dynamics of West Nile Virus in the United States: Rapid Spread in a Permissive Host Environment. <i>Journal of Virology</i> , 2016, 90, 862-872. | 3.4 | 42 |
| 39 | Mapping of RNA accessible sites by extension of random oligonucleotide libraries with reverse transcriptase. <i>Rna</i> , 2001, 7, 314-327. | 3.5 | 41 |
| 40 | Analytical Validation of a Real-Time Reverse Transcription Polymerase Chain Reaction Test for Pan-American Lineage H7 Subtype Avian Influenza Viruses. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008, 20, 612-616. | 1.1 | 39 |
| 41 | Surveillance for zoonotic and selected pathogens in harbor seals <i>Phoca vitulina</i> from central California. <i>Diseases of Aquatic Organisms</i> , 2014, 111, 93-106. | 1.0 | 37 |
| 42 | Presence of Avian Influenza Viruses in Waterfowl and Wetlands during Summer 2010 in California: Are Resident Birds a Potential Reservoir?. <i>PLoS ONE</i> , 2012, 7, e31471. | 2.5 | 37 |
| 43 | Limited evidence of trans-hemispheric movement of avian influenza viruses among contemporary North American shorebird isolates. <i>Virus Research</i> , 2010, 148, 44-50. | 2.2 | 36 |
| 44 | Discovery of a Novel Hepatovirus (<i>Phopivirus</i> of Seals) Related to Human Hepatitis A Virus. <i>MBio</i> , 2015, 6, . | 4.1 | 36 |
| 45 | Evolution of a reassortant North American gull influenza virus lineage: drift, shift and stability. <i>Virology Journal</i> , 2013, 10, 179. | 3.4 | 34 |
| 46 | <i>Leishmania mexicana mexicana</i> gp63 is a site-specific neutral endopeptidase. <i>Molecular and Biochemical Parasitology</i> , 1990, 40, 163-172. | 1.1 | 33 |
| 47 | Surveillance for High Pathogenicity Avian Influenza Virus in Wild Birds in the Pacific Flyway of the United States, 2006-2007. <i>Avian Diseases</i> , 2009, 53, 222-230. | 1.0 | 33 |
| 48 | Impact of West Nile virus and other mortality factors on American white pelicans at breeding colonies in the northern plains of North America. <i>Biological Conservation</i> , 2008, 141, 1021-1031. | 4.1 | 32 |
| 49 | Influenza A Virus Infections in Land Birds, People's Republic of China. <i>Emerging Infectious Diseases</i> , 2008, 14, 1644-1646. | 4.3 | 31 |
| 50 | Whole-genome sequencing of genotype VI Newcastle disease viruses from formalin-fixed paraffin-embedded tissues from wild pigeons reveals continuous evolution and previously unrecognized genetic diversity in the U.S.. <i>Virology Journal</i> , 2018, 15, 9. | 3.4 | 31 |
| 51 | GENOMIC ANALYSIS OF AVIAN INFLUENZA VIRUSES FROM WATERFOWL IN WESTERN ALASKA, USA. <i>Journal of Wildlife Diseases</i> , 2013, 49, 600-610. | 0.8 | 26 |
| 52 | Evidence that Life History Characteristics of Wild Birds Influence Infection and Exposure to Influenza A Viruses. <i>PLoS ONE</i> , 2013, 8, e7614. | 2.5 | 26 |
| 53 | Evaluation of Nobuto Filter Paper Strips for the Detection of Avian Influenza Virus Antibody in Waterfowl. <i>Avian Diseases</i> , 2011, 55, 674-676. | 1.0 | 24 |
| 54 | Developmental analysis and subcellular localization of the murine homologue of ELL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 1408-1413. | 7.1 | 23 |

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|----|---|-----|-----------|
| 55 | High Rates of Detection of Clade 2.3.4.4 Highly Pathogenic Avian Influenza H5 Viruses in Wild Birds in the Pacific Northwest During the Winter of 2014–15. <i>Avian Diseases</i> , 2016, 60, 354-358. | 1.0 | 21 |
| 56 | Prevalence and Pathology of West Nile Virus in Naturally Infected House Sparrows, Western Nebraska, 2008. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 82, 937-944. | 1.4 | 20 |
| 57 | PATHOLOGY AND VIRUS DETECTION IN TISSUES OF NESTLING HOUSE SPARROWS NATURALLY INFECTED WITH BUGGY CREEK VIRUS (TOGAVIRIDAE). <i>Journal of Wildlife Diseases</i> , 2010, 46, 23-32. | 0.8 | 20 |
| 58 | Evidence for limited exchange of avian influenza viruses between seabirds and dabbling ducks at Alaska Peninsula coastal lagoons. <i>Archives of Virology</i> , 2011, 156, 1813-1821. | 2.1 | 20 |
| 59 | Experimental challenge and pathology of highly pathogenic avian influenza virus H5N1 in dunlin (<i>Calidris alpina</i>), an intercontinental migrant shorebird species. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 365-372. | 3.4 | 19 |
| 60 | Impacts of Migratory Sandhill Cranes (<i>Grus canadensis</i>) on Microbial Water Quality in the Central Platte River, Nebraska, USA. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 2.4 | 19 |
| 61 | Expansion of an Exotic Species and Concomitant Disease Outbreaks: Pigeon Paramyxovirus in Free-Ranging Eurasian Collared Doves. <i>EcoHealth</i> , 2012, 9, 163-170. | 2.0 | 18 |
| 62 | Avian influenza virus ecology in Iceland shorebirds: Intercontinental reassortment and movement. <i>Infection, Genetics and Evolution</i> , 2014, 28, 130-136. | 2.3 | 18 |
| 63 | Surveillance for Highly Pathogenic Avian Influenza Virus in Wild Birds during Outbreaks in Domestic Poultry, Minnesota, 2015. <i>Emerging Infectious Diseases</i> , 2016, 22, 1278-1282. | 4.3 | 18 |
| 64 | Lethal Infection of Wild Raptors with Highly Pathogenic Avian Influenza H5N8 and H5N2 Viruses in the USA, 2014–15. <i>Journal of Wildlife Diseases</i> , 2019, 55, 164. | 0.8 | 18 |
| 65 | West Nile Virus Transmission in Winter: The 2013 Great Salt Lake Bald Eagle and Eared Grebes Mortality Event. <i>PLOS Currents</i> , 2014, 6, . | 1.4 | 18 |
| 66 | PATHOGEN EXPOSURE AND BLOOD CHEMISTRY IN THE WASHINGTON, USA POPULATION OF NORTHERN SEA OTTERS (<i>ENHYDRA LUTRIS KENYONI</i>). <i>Journal of Wildlife Diseases</i> , 2013, 49, 887-899. | 0.8 | 17 |
| 67 | Inferring epidemiologic dynamics from viral evolution: 2014–2015 Eurasian/North American highly pathogenic avian influenza viruses exceed transmission threshold, $R_0 > 1$, in wild birds and poultry in North America. <i>Evolutionary Applications</i> , 2018, 11, 547-557. | 3.1 | 17 |
| 68 | Serologic Evidence of Influenza A(H1N1)pdm09 Virus Infection in Northern Sea Otters. <i>Emerging Infectious Diseases</i> , 2014, 20, 915-917. | 4.3 | 16 |
| 69 | Demographic and Spatiotemporal Patterns of Avian Influenza Infection at the Continental Scale, and in Relation to Annual Life Cycle of a Migratory Host. <i>PLoS ONE</i> , 2015, 10, e0130662. | 2.5 | 16 |
| 70 | A picornavirus-like pathogen of <i>Cotylogaster occidentalis</i> (Trematoda: Aspidogastrea), an intestinal parasite of freshwater mollusks. <i>Journal of Invertebrate Pathology</i> , 1984, 43, 197-206. | 3.2 | 15 |
| 71 | The dynamics of avian influenza in Lesser Snow Geese: implications for annual and migratory infection patterns. <i>Ecological Applications</i> , 2015, 25, 1851-1859. | 3.8 | 15 |
| 72 | Detection of spring viraemia of carp virus in imported amphibians reveals an unanticipated foreign animal disease threat. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-7. | 6.5 | 15 |

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|----|--|-----|-----------|
| 73 | A New Ranavirus Isolated from <i>Pseudacris clarkii</i> Tadpoles in Playa Wetlands in the Southern High Plains, Texas. <i>Journal of Aquatic Animal Health</i> , 2010, 22, 65-72. | 1.4 | 14 |
| 74 | The Effect of Swab Sample Choice on the Detection of Avian Influenza in Apparently Healthy Wild Ducks. <i>Avian Diseases</i> , 2012, 56, 114-119. | 1.0 | 14 |
| 75 | Identification of Two novel reassortant avian influenza A (H5N6) viruses in whooper swans in Korea, 2016. <i>Virology Journal</i> , 2017, 14, 60. | 3.4 | 14 |
| 76 | Artificial intelligence and avian influenza: Using machine learning to enhance active surveillance for avian influenza viruses. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 2537-2545. | 3.0 | 14 |
| 77 | An mRNA-dependent in vitro translation system from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 46, 265-274. | 1.1 | 13 |
| 78 | Natural Infections With Pigeon Paramyxovirus Serotype 1: Pathologic Changes in Eurasian Collared-Doves (<i>Streptopelia decaocto</i>) and Rock Pigeons (<i>Columba livia</i>) in the United States. <i>Veterinary Pathology</i> , 2017, 54, 695-703. | 1.7 | 11 |
| 79 | Surveillance for Highly Pathogenic Avian Influenza in Wild Turkeys (<i>Meleagris gallopavo</i>) of Minnesota, USA during 2015 Outbreaks in Domestic Poultry. <i>Journal of Wildlife Diseases</i> , 2017, 53, 616-620. | 0.8 | 11 |
| 80 | A Blood Survey of Elements, Viral Antibodies, and Hemoparasites in Wintering Harlequin Ducks (<i>Histrionicus histrionicus</i>) and Barrow's Goldeneyes (<i>Bucephala islandica</i>). <i>Journal of Wildlife Diseases</i> , 2008, 44, 486-493. | 0.8 | 10 |
| 81 | Investigation of the 2018 thick-billed murre (<i>Uria lomvia</i>) die-off on St. Lawrence Island rules out food shortage as the cause. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 181-182, 104879. | 1.4 | 10 |
| 82 | Experimental Challenge of a Peridomestic Avian Species, European Starlings (<i>Sturnus vulgaris</i>), with Novel Influenza A H7N9 Virus from China. <i>Journal of Wildlife Diseases</i> , 2016, 52, 709-712. | 0.8 | 8 |
| 83 | An Opportunistic Survey Reveals an Unexpected Coronavirus Diversity Hotspot in North America. <i>Viruses</i> , 2021, 13, 2016. | 3.3 | 8 |
| 84 | Avian influenza virus and free-ranging wild birds. <i>Journal of the American Veterinary Medical Association</i> , 2006, 228, 1877-1882. | 0.5 | 7 |
| 85 | Identification and characterization of Highlands J virus from a Mississippi sandhill crane using unbiased next-generation sequencing. <i>Journal of Virological Methods</i> , 2014, 206, 42-45. | 2.1 | 7 |
| 86 | SPATIAL AND TEMPORAL PATTERNS OF AVIAN PARAMYXOVIRUS-1 OUTBREAKS IN DOUBLE-CRESTED CORMORANTS (<i>PHALACROCORAX AURITUS</i>) IN THE USA. <i>Journal of Wildlife Diseases</i> , 2015, 51, 101-112. | 0.8 | 7 |
| 87 | Experimental Infection of Common Eider Ducklings with Wellfleet Bay Virus, a Newly Characterized Orthomyxovirus. <i>Emerging Infectious Diseases</i> , 2017, 23, 1958-1965. | 4.3 | 7 |
| 88 | Interlaboratory comparison of SARS-CoV2 molecular detection assays in use by U.S. veterinary diagnostic laboratories. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 1039-1051. | 1.1 | 7 |
| 89 | Total Protein Concentration and Diagnostic Test Results for Gray Wolf (<i>Canis lupus</i>) Serum using Nobuto Filter Paper Strips. <i>Journal of Wildlife Diseases</i> , 2015, 51, 475-478. | 0.8 | 4 |
| 90 | Emergence and molecular characterization of pigeon Paramyxovirus-1 in non-native Eurasian collared doves (<i>Streptopelia decaocto</i>) in California, USA. <i>Infection, Genetics and Evolution</i> , 2021, 91, 104809. | 2.3 | 4 |

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|----|---|-----|-----------|
| 91 | Validation of a Real-Time Reverse Transcriptaseâ€“PCR Assay for the Detection of H7 Avian Influenza Virus. <i>Avian Diseases</i> , 2010, 54, 639-643. | 1.0 | 3 |
| 92 | H9N2 Influenza A Virus Isolated from a Greater White-Fronted Wild Goose (<i>Anser albifrons</i>) in Alaska Has a Mutation in the PB2 Gene, Which Is Associated with Pathogenicity in Human Pandemic 2009 H1N1. <i>Genome Announcements</i> , 2016, 4, . | 0.8 | 3 |
| 93 | Changes in West Nile Virus Seroprevalence and Antibody Titers among Wisconsin Mesopredators 2003â€“2006. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 177-179. | 1.4 | 2 |
| 94 | Inactivation of Viable Surrogates for the Select Agents Virulent Newcastle Disease Virus and Highly Pathogenic Avian Influenza Virus Using Either Commercial Lysis Buffer or Heat. <i>Applied Biosafety</i> , 2019, 24, 189-199. | 0.5 | 1 |