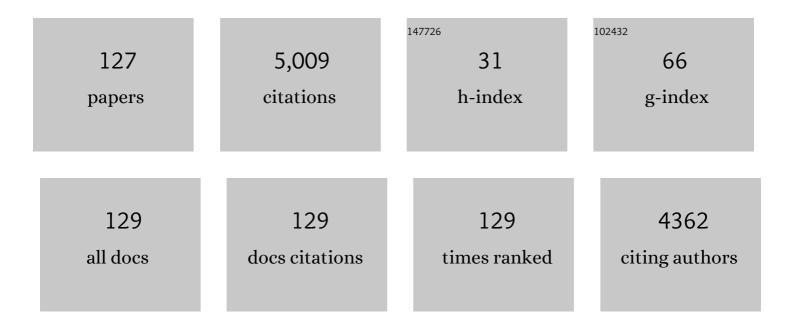
Sagar M Goyal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Isolation of Swine Infertility and Respiratory Syndrome Virus (Isolate ATCC VR-2332) in North America and Experimental Reproduction of the Disease in Gnotobiotic Pigs. Journal of Veterinary Diagnostic Investigation, 1992, 4, 117-126.	0.5	694
2	Characterization of Swine Infertility and Respiratory Syndrome (SIRS) Virus (Isolate ATCC VR-2332). Journal of Veterinary Diagnostic Investigation, 1992, 4, 127-133.	0.5	635
3	Evolution of Swine H3N2 Influenza Viruses in the United States. Journal of Virology, 2000, 74, 8243-8251.	1.5	334
4	Stability of SARSâ€CoVâ€⊋ and other coronaviruses in the environment and on common touch surfaces and the influence of climatic conditions: A review. Transboundary and Emerging Diseases, 2021, 68, 296-312.	1.3	332
5	Identification of the biologically active liquid chemistry induced by a nonthermal atmospheric pressure plasma jet. Biointerphases, 2015, 10, 029518.	0.6	226
6	Experimental Porcine Reproductive and Respiratory Syndrome Virus Infection in One-, Four-, and 10-Week-Old Pigs. Journal of Veterinary Diagnostic Investigation, 1994, 6, 3-12.	0.5	164
7	Porcine Reproductive and Respiratory Syndrome. Journal of Veterinary Diagnostic Investigation, 1993, 5, 656-664.	0.5	131
8	Inactivation of virus in solution by cold atmospheric pressure plasma: identification of chemical inactivation pathways. Journal Physics D: Applied Physics, 2016, 49, 204001.	1.3	129
9	Comparison of Porcine Alveolar Macrophages and CL 2621 for the Detection of Porcine Reproductive and Respiratory Syndrome (PRRS) Virus and Anti-PRRS Antibody. Journal of Veterinary Diagnostic Investigation, 1993, 5, 163-165.	0.5	123
10	Virucidal Effect of Cold Atmospheric Gaseous Plasma on Feline Calicivirus, a Surrogate for Human Norovirus. Applied and Environmental Microbiology, 2015, 81, 3612-3622.	1.4	82
11	Isolation of Avian Pneumovirus from an Outbreak of Respiratory Illness in Minnesota Turkeys. Journal of Veterinary Diagnostic Investigation, 2000, 12, 166-168.	0.5	72
12	In Vitro Antiviral Activity of Clove and Ginger Aqueous Extracts against Feline Calicivirus, a Surrogate for Human Norovirus. Journal of Food Protection, 2016, 79, 1001-1012.	0.8	67
13	Association of Airborne Virus Infectivity and Survivability with its Carrier Particle Size. Aerosol Science and Technology, 2013, 47, 373-382.	1.5	63
14	Reactive species responsible for the inactivation of feline calicivirus by a twoâ€dimensional array of integrated coaxial microhollow dielectric barrier discharges in air. Plasma Processes and Polymers, 2018, 15, 1700119.	1.6	56
15	Isolation of Bovine Viral Diarrhea Virus from an Alpaca. Journal of Veterinary Diagnostic Investigation, 2002, 14, 523-525.	0.5	55
16	Effects of humidity and other factors on the generation and sampling of a coronavirus aerosol. Aerobiologia, 2007, 23, 239-248.	0.7	54
17	Evaluation of biosecurity measures to prevent indirect transmission of porcine epidemic diarrhea virus. BMC Veterinary Research, 2017, 13, 89.	0.7	50
18	Canine Parvovirus Effect on Wolf Population Change and Pup Survival. Journal of Wildlife Diseases, 1993, 29, 330-333.	0.3	49

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19	Inactivation of virus and bacteria using cold atmospheric pressure air plasmas and the role of reactive nitrogen species. Journal Physics D: Applied Physics, 2020, 53, 434004.	1.3	48
20	A Modified Enzyme-Linked Immunosorbent Assay for the Detection of Avian Pneumovirus Antibodies. Journal of Veterinary Diagnostic Investigation, 2000, 12, 381-384.	0.5	46
21	Detection of viruses in used ventilation filters from two large public buildings. American Journal of Infection Control, 2011, 39, e30-e38.	1.1	46
22	Serologic Survey for Lelystad and VR-2332 Strains of Porcine Respiratory and Reproductive Syndrome (PRRS) Virus in US Swine Herds. Journal of Veterinary Diagnostic Investigation, 1993, 5, 612-614.	0.5	44
23	Survival of Airborne MS2 Bacteriophage Generated from Human Saliva, Artificial Saliva, and Cell Culture Medium. Applied and Environmental Microbiology, 2014, 80, 2796-2803.	1.4	43
24	Greater than 3-Log Reduction in Viable Coronavirus Aerosol Concentration in Ducted Ultraviolet-C (UV–C) Systems. Environmental Science & Technology, 2021, 55, 4174-4182.	4.6	43
25	Cold argon-oxygen plasma species oxidize and disintegrate capsid protein of feline calicivirus. PLoS ONE, 2018, 13, e0194618.	1.1	42
26	A Retrospective Study on Poult Enteritis Syndrome in Minnesota. Avian Diseases, 2009, 53, 268-275.	0.4	41
27	ÃŒn situ inactivation of human norovirus GII.4 by cold plasma: Ethidium monoazide (EMA)-coupled RT-qPCR underestimates virus reduction and fecal material suppresses inactivation. Food Microbiology, 2020, 85, 103307.	2.1	38
28	Excretion and persistence of bovine coronavirus in neonatal calves. Archives of Virology, 1990, 115, 127-132.	0.9	37
29	Antiviral Effects of Lactococcus lactis on Feline Calicivirus, A Human Norovirus Surrogate. Food and Environmental Virology, 2014, 6, 282-289.	1.5	37
30	Isolation and Characterization of a Turkey Arthritis Reovirus. Avian Diseases, 2013, 57, 97-103.	0.4	34
31	Isolation and Molecular Characterization of a Novel Picornavirus from Baitfish in the USA. PLoS ONE, 2014, 9, e87593.	1.1	34
32	Molecular detection of enteric viruses from diarrheic calves in Egypt. Archives of Virology, 2017, 162, 129-137.	0.9	34
33	Rapid inactivation of airborne porcine reproductive and respiratory syndrome virus using an atmospheric pressure air plasma. Plasma Processes and Polymers, 2020, 17, 1900269.	1.6	34
34	Comparison of Thermal and Non-Thermal Processing of Swine Feed and the Use of Selected Feed Additives on Inactivation of Porcine Epidemic Diarrhea Virus (PEDV). PLoS ONE, 2016, 11, e0158128.	1.1	33
35	Assessment of air sampling methods and size distribution of virus-laden aerosols in outbreaks in swine and poultry farms. Journal of Veterinary Diagnostic Investigation, 2017, 29, 298-304.	0.5	32
36	The occurrence of enteric viruses in Light Turkey Syndrome. Avian Pathology, 2013, 42, 497-501.	0.8	31

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37	Environmental persistence of porcine coronaviruses in feed and feed ingredients. PLoS ONE, 2017, 12, e0178094.	1.1	31
38	Influence of Suspending Liquid, Impactor Type, and Substrate on Size-Selective Sampling of MS2 and Adenovirus Aerosols. Aerosol Science and Technology, 2012, 46, 249-257.	1.5	30
39	Outbreaks of foot and mouth disease in Egypt: Molecular epidemiology, evolution and cardiac biomarkers prognostic significance. International Journal of Veterinary Science and Medicine, 2018, 6, 22-30.	0.8	30
40	The role of avian reoviruses in turkey tenosynovitis/arthritis. Avian Pathology, 2014, 43, 371-378.	0.8	27
41	Lymph Node Lesions in Neonatal Pigs Congenitally Exposed to Porcine Reproductive and Respiratory Syndrome Virus. Journal of Veterinary Diagnostic Investigation, 1994, 6, 368-371.	0.5	26
42	Prevalence and complete genome characterization of turkey picobirnaviruses. Infection, Genetics and Evolution, 2015, 30, 134-139.	1.0	25
43	Description of the Microsporidian Parasite, Heterosporis sutherlandae n. sp., Infecting Fish in the Great Lakes Region, USA. PLoS ONE, 2015, 10, e0132027.	1.1	24
44	Genomic characterization of a novel calicivirus, FHMCV-2012, from baitfish in the USA. Archives of Virology, 2017, 162, 3619-3627.	0.9	24
45	Occurrence of Campylobacter in retail meat in Lahore, Pakistan. Acta Tropica, 2018, 185, 42-45.	0.9	24
46	Detection of Porcine Reproductive and Respiratory Syndrome Virus by Reverse Transcription-Polymerase Chain Reaction using Different Regions of the Viral Genome. Journal of Veterinary Diagnostic Investigation, 1999, 11, 27-33.	0.5	23
47	Seroprevalence of Avian Pneumovirus in Minnesota Turkeys. Avian Diseases, 2003, 47, 700-706.	0.4	23
48	Survival of porcine epidemic diarrhea virus (PEDV) in thermally treated feed ingredients and on surfaces. Porcine Health Management, 2017, 3, 17.	0.9	23
49	Diagnostic Investigation of Bovine Viral Diarrhea Infection in a Minnesota Dairy Herd. Journal of Veterinary Diagnostic Investigation, 1989, 1, 57-61.	0.5	22
50	Viral pollution of the marine environment. Critical Reviews in Environmental Control, 1984, 14, 1-32.	0.7	21
51	Stability of Porcine Epidemic Diarrhea Virus on Fomite Materials at Different Temperatures. Veterinary Sciences, 2018, 5, 21.	0.6	21
52	Canine Parvovirus Infection in Wolves (Canis lupus) from Minnesota. Journal of Wildlife Diseases, 1986, 22, 104-106.	0.3	20
53	Enteric viruses in turkey enteritis. VirusDisease, 2014, 25, 173-185.	1.0	20
54	Durable nanocomposite face masks with high particulate filtration and rapid inactivation of coronaviruses. Scientific Reports, 2021, 11, 24318.	1.6	20

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55	PCR-Based Detection of an Emerging Avian Pneumovirus in US Turkey Flocks. Journal of Veterinary Diagnostic Investigation, 2001, 13, 201-205.	0.5	18
56	Bactericidal Efficacy of a Two-Dimensional Array of Integrated, Coaxial, Microhollow, Dielectric Barrier Discharge Plasma Against Salmonella enterica Serovar Heidelberg. Foodborne Pathogens and Disease, 2020, 17, 157-165.	0.8	18
57	Prevalence of Antibody Titers to Leptospira Spp. in Minnesota White-tailed Deer. Journal of Wildlife Diseases, 1992, 28, 445-448.	0.3	17
58	Comparison of Immunohistochemistry, Electron Microscopy, and Direct Fluorescent Antibody Test for the Detection of Bovine Coronavirus. Journal of Veterinary Diagnostic Investigation, 1998, 10, 152-157.	0.5	16
59	Characterization of S class gene segments of a newly isolated turkey arthritis reovirus. Virology, 2014, 464-465, 33-44.	1.1	16
60	Comparison of samplers collecting airborne influenza viruses: 1. Primarily impingers and cyclones. PLoS ONE, 2021, 16, e0244977.	1.1	16
61	Experimentally induced lameness in turkeys inoculated with a newly emergent turkey reovirus. Veterinary Research, 2015, 46, 11.	1.1	15
62	Feed additives decrease survival of delta coronavirus in nursery pig diets. Porcine Health Management, 2017, 3, 5.	0.9	15
63	Detection and genetic characterization of bovine kobuvirus from calves in Egypt. Archives of Virology, 2018, 163, 1439-1447.	0.9	15
64	Genotypic relatedness and antimicrobial resistance of <i>Salmonella</i> Heidelberg isolated from chickens and turkeys in the midwestern United States. Journal of Veterinary Diagnostic Investigation, 2017, 29, 370-375.	0.5	14
65	Virulence factors and antibiograms of Escherichia coli isolated from diarrheic calves of Egyptian cattle and water buffaloes. PLoS ONE, 2020, 15, e0232890.	1.1	14
66	Death of a Wild Wolf from Canine Parvoviral Enteritis. Journal of Wildlife Diseases, 1997, 33, 321-322.	0.3	13
67	Isolation of mixed subtypes of influenza A virus from a bald eagle (Haliaeetus leucocephalus). Virology Journal, 2010, 7, 174.	1.4	13
68	A Newly Emergent Turkey Arthritis Reovirus Shows Dominant Enteric Tropism and Induces Significantly Elevated Innate Antiviral and T Helper-1 Cytokine Responses. PLoS ONE, 2015, 10, e0144085.	1.1	13
69	Airborne Virus Survivability During Long-Term Sampling Using a Non-Viable Andersen Cascade Impactor in an Environmental Chamber. Aerosol Science and Technology, 2014, 48, 1360-1368.	1.5	12
70	Evolutionary, epidemiological, demographical, and geographical dissection of porcine bocavirus in China and America. Virus Research, 2015, 195, 13-24.	1.1	12
71	Involvement of Egyptian Foods in Foodborne Viral Illnesses: The Burden on Public Health and Related Environmental Risk Factors: An Overview. Food and Environmental Virology, 2019, 11, 315-339.	1.5	12
72	Detection and Elimination of Carrier Animals in a Dairy Herd Persistently Infected with Bovine Viral Diarrhea Virus. Journal of Veterinary Diagnostic Investigation, 1989, 1, 277-279.	0.5	11

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73	SEROPREVALENCE OF LYME DISEASE IN GRAY WOLVES FROM MINNESOTA AND WISCONSIN. Journal of Wildlife Diseases, 1992, 28, 177-182.	0.3	11
74	Prevalence of Newcastle Disease Virus in Commercial and Backyard Poultry in Haryana, India. Frontiers in Veterinary Science, 2021, 8, 725232.	0.9	11
75	Antibiotic use and the prevalence of antibiotic resistant bacteria on turkey farms. Journal of the Science of Food and Agriculture, 2008, 88, 714-719.	1.7	10
76	Genotypes, Antibiotic Resistance, and ST-8 Genetic Clone in <i>Campylobacter</i> Isolates from Sheep and Goats in Grenada. Veterinary Medicine International, 2014, 2014, 1-8.	0.6	10
77	Monoglyceride reduces viability of porcine epidemic diarrhoea virus in feed and prevents disease transmission to postâ€weaned piglets. Transboundary and Emerging Diseases, 2022, 69, 121-127.	1.3	10
78	Bacterial Loads in Moroccan Mussels from Harvest to Sale. Journal of Food Protection, 1995, 58, 509-512.	0.8	9
79	Molecular characterization of L class genome segments of a newly isolated turkey arthritis reovirus. Infection, Genetics and Evolution, 2014, 27, 193-201.	1.0	9
80	Risk-Based Management of Viral Hemorrhagic Septicemia Virus in Minnesota. North American Journal of Fisheries Management, 2014, 34, 373-379.	0.5	9
81	Co-circulation of paramyxo- and influenza viruses in pigeons in Egypt. Avian Pathology, 2017, 46, 367-375.	0.8	9
82	Outbreaks of Duck Hepatitis A Virus in Egyptian Duckling Flocks. Avian Diseases, 2018, 63, 68.	0.4	9
83	Complete Genome Sequences of Newcastle Disease Virus Isolates from Backyard Chickens in Northern India. Microbiology Resource Announcements, 2019, 8, .	0.3	9
84	Evaluation of Shell Vial Cell Culture Technique for the Detection of Bovine Coronavirus. Journal of Veterinary Diagnostic Investigation, 1995, 7, 301-304.	0.5	8
85	Optimizing the Recovery of Surrogates for Bacterial Bioterrorism Agents from Ventilation Filters. Clean - Soil, Air, Water, 2008, 36, 601-608.	0.7	8
86	Methods for Virus Recovery from Foods. , 2016, , 231-276.		8
87	Surveillance, isolation and complete genome sequence of bovine parainfluenza virus type 3 in Egyptian cattle. International Journal of Veterinary Science and Medicine, 2017, 5, 8-13.	0.8	8
88	Detection of Newcastle disease virus and assessment of associated relative risk in backyard and commercial poultry in Kerala, India. Veterinary Medicine and Science, 2022, 8, 1146-1156.	0.6	8
89	Evaluation of Two Commercial ELISA Test Kits for the Detection of Pseudorabies Antibodies in Pigs. Journal of Veterinary Diagnostic Investigation, 1990, 2, 350-352.	0.5	7
90	Detection of Astrovirus, Coronavirus and Haemorrhagic Enteritis Virus in Turkeys with Poult Enteritis Mortality Syndrome in Turkey. Journal of Poultry Science, 2015, 52, 232-237.	0.7	7

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91	Phylogenetic analysis, genomic diversity and classification of M class gene segments of turkey reoviruses. Veterinary Microbiology, 2015, 176, 70-82.	0.8	7
92	Detection and molecular characterization of astroviruses in turkeys. Archives of Virology, 2016, 161, 939-946.	0.9	7
93	Whole-genome sequence analysis reveals unique SNP profiles to distinguish vaccine and wild-type strains of bovine herpesvirus-1 (BoHV-1). Virology, 2018, 522, 27-36.	1.1	7
94	Comparative evaluation of the virucidal effect of remote and direct cold air plasmas with UV . Plasma Processes and Polymers, 2020, 17, 1900234.	1.6	7
95	Prevalence of Newcastle disease and associated risk factors in domestic chickens in the Indian state of Odisha. PLoS ONE, 2022, 17, e0264028.	1.1	7
96	Rapid Detection of Pseudorabies Virus by the Shell Vial Technique. Journal of Veterinary Diagnostic Investigation, 1995, 7, 173-176.	0.5	6
97	Fate of Salmonella following application of swine manure to tile-drained clay loam soil. Journal of Water and Health, 2004, 2, 97-101.	1.1	6
98	Development of a Recombinant Pichinde Virus-Vectored Vaccine against Turkey Arthritis Reovirus and Its Immunological Response Characterization in Vaccinated Animals. Pathogens, 2021, 10, 197.	1.2	6
99	Microbial pollution of well water in southeastern Minnesota. Journal of Environmental Science and Health Part A, Environmental Science and Engineering, 1988, 23, 453-468.	0.1	5
100	Survival of turkey arthritis reovirus in poultry litter and drinking water. Poultry Science, 2015, 94, 639-642.	1.5	5
101	Detection and molecular characterization of kobuvirus from diarrheic goats in Minnesota. Journal of Veterinary Diagnostic Investigation, 2020, 32, 873-879.	0.5	5
102	Tracing Viral Transmission and Evolution of Bovine Leukemia Virus through Long Read Oxford Nanopore Sequencing of the Proviral Genome. Pathogens, 2021, 10, 1191.	1.2	5
103	Comparison of two size-differentiating air samplers for detecting airborne swine viruses under experimental conditions. Aerosol Science and Technology, 2017, 51, 198-205.	1.5	4
104	Phylogeny of bovine norovirus in Egypt based on VP2 gene. International Journal of Veterinary Science and Medicine, 2018, 6, 48-52.	0.8	4
105	Genomic-based characterization of Enterococcus spp.: an emerging pathogen isolated from human gut. Molecular Biology Reports, 2021, 48, 5371-5376.	1.0	4
106	Novel Insight into the Effects of CpxR on Salmonella enteritidis Cells during the Chlorhexidine Treatment and Non-Stressful Growing Conditions. International Journal of Molecular Sciences, 2021, 22, 8938.	1.8	4
107	Pathogenicity of newly emergent turkey arthritis reoviruses in chickens. Poultry Science, 2015, 94, 2369-2374.	1.5	3
108	Molecular characterization of a novel Camelus dromedarius papillomavirus. Comparative Immunology, Microbiology and Infectious Diseases, 2020, 73, 101561.	0.7	3

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109	Genetic Diversity of Ornithobacterium rhinotracheale Isolated from Chickens and Turkeys in the United States. Avian Diseases, 2020, 64, 324-329.	0.4	3
110	A multiplex RT-PCR assay for the detection of fish picornaviruses. Journal of Virological Methods, 2015, 221, 131-134.	1.0	2
111	Altered Biomechanical Properties of Gastrocnemius Tendons of Turkeys Infected with Turkey Arthritis Reovirus. Veterinary Medicine International, 2016, 2016, 1-6.	0.6	2
112	Enteric Viruses Associated with Mid-growth Turkey Enteritis. Avian Diseases, 2020, 64, 471-477.	0.4	2
113	Retrospective Analysis of Turkey Arthritis Reovirus Diagnostic Submissions in Minnesota. Avian Diseases, 2019, 63, 681.	0.4	2
114	An Outbreak of Fowl Aviadenovirus A–Associated Gizzard Erosion and Ulceration in Captive Bobwhite Quail (Colinus virginianus). Avian Diseases, 2020, 65, 52-58.	0.4	2
115	Efficacy and Immunogenicity of Recombinant Pichinde Virus-Vectored Turkey Arthritis Reovirus Subunit Vaccine. Vaccines, 2022, 10, 486.	2.1	2
116	COVID-19 and the Importance of Being Prepared: A Multidisciplinary Strategy for the Discovery of Antivirals to Combat Pandemics. Biomedicines, 2022, 10, 1342.	1.4	2
117	A Dot Immunobinding Assay on Nitrocellulose for the Detection of Bovid Herpesvirus- Antibodies. Journal of Veterinary Diagnostic Investigation, 1990, 2, 107-110.	0.5	1
118	Comparison of Three Methods for the Concentration of Poliovirus from Moroccan Shellfish. Journal of Food Protection, 1994, 57, 996-1000.	0.8	1
119	Genomic features of first bovine astrovirus detected in Egypt. VirusDisease, 2021, 32, 601-607.	1.0	1
120	Infection and Transmission Dynamics of Turkey Arthritis Reovirus in Different Age Turkeys. SSRN Electronic Journal, 0, , .	0.4	1
121	Prevalence of Newcastle Disease Virus in Wild and Migratory Birds in Haryana, India. Avian Diseases, 2022, 66, .	0.4	1
122	Comparative pathogenesis of turkey reoviruses. Avian Pathology, 2022, 51, 435-444.	0.8	1
123	Comparative removal of enteric bacteria and poliovirus by sandy soils. Journal of Environmental Science and Health Part A, Environmental Science and Engineering, 1985, 20, 617-624.	0.1	0
124	Use of Temperature-Sensitive Gel for the Concentration of Escherichia Coli in Milk. Journal of Food Protection, 1989, 52, 62-64.	0.8	0
125	Whole-Genome Sequences of 18 Bovine Alphaherpesvirus 1 Field Isolates from Pennsylvania and Minnesota. Genome Announcements, 2018, 6, .	0.8	0

Biocidal Efficacy of Non-Equilibrium Plasma Sources: A Comparative Study. , 2018, , .

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#	Article	IF	CITATIONS
127	Role of Reactive Nitrogen Species in Inactivation of Feline Calicivirus Using Two-Dimensional Array of Micro-Discharges in Air. , 2018, , .		0