

# Sagar M Goyal

## List of Publications by Citations

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117  
papers

3,759  
citations

27  
h-index

59  
g-index

129  
ext. papers

4,343  
ext. citations

2.8  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
117	Isolation of swine infertility and respiratory syndrome virus (isolate ATCC VR-2332) in North America and experimental reproduction of the disease in gnotobiotic pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1992</b> , 4, 117-26	1.5	589
116	Characterization of swine infertility and respiratory syndrome (SIRS) virus (isolate ATCC VR-2332). <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1992</b> , 4, 127-33	1.5	525
115	Evolution of swine H3N2 influenza viruses in the United States. <i>Journal of Virology</i> , <b>2000</b> , 74, 8243-51	6.6	295
114	Identification of the biologically active liquid chemistry induced by a nonthermal atmospheric pressure plasma jet. <i>Biointerphases</i> , <b>2015</b> , 10, 029518	1.8	184
113	Stability of SARS-CoV-2 and other coronaviruses in the environment and on common touch surfaces and the influence of climatic conditions: A review. <i>Transboundary and Emerging Diseases</i> , <b>2021</b> , 68, 296-312	4.2	180
112	Experimental porcine reproductive and respiratory syndrome virus infection in one-, four-, and 10-week-old pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1994</b> , 6, 3-12	1.5	137
111	Comparison of porcine alveolar macrophages and CL 2621 for the detection of porcine reproductive and respiratory syndrome (PRRS) virus and anti-PRRS antibody. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1993</b> , 5, 163-5	1.5	104
110	Porcine reproductive and respiratory syndrome. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1993</b> , 5, 656-64	1.5	99
109	Inactivation of virus in solution by cold atmospheric pressure plasma: identification of chemical inactivation pathways. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 204001	3	91
108	Virucidal effect of cold atmospheric gaseous plasma on feline calicivirus, a surrogate for human norovirus. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 3612-22	4.8	63
107	Isolation of avian pneumovirus from an outbreak of respiratory illness in Minnesota turkeys. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2000</b> , 12, 166-8	1.5	61
106	Isolation of bovine viral diarrhoea virus from an alpaca. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2002</b> , 14, 523-5	1.5	49
105	In Vitro Antiviral Activity of Clove and Ginger Aqueous Extracts against Feline Calicivirus, a Surrogate for Human Norovirus. <i>Journal of Food Protection</i> , <b>2016</b> , 79, 1001-12	2.5	48
104	Association of Airborne Virus Infectivity and Survivability with its Carrier Particle Size. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 373-382	3.4	46
103	A modified enzyme-linked immunosorbent assay for the detection of avian pneumovirus antibodies. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2000</b> , 12, 381-4	1.5	43
102	Effects of humidity and other factors on the generation and sampling of a coronavirus aerosol. <i>Aerobiologia</i> , <b>2007</b> , 23, 239-248	2.4	42
101	Reactive species responsible for the inactivation of feline calicivirus by a two-dimensional array of integrated coaxial microhollow dielectric barrier discharges in air. <i>Plasma Processes and Polymers</i> , <b>2018</b> , 15, 1700119	3.4	41

100	Detection of viruses in used ventilation filters from two large public buildings. <i>American Journal of Infection Control</i> , <b>2011</b> , 39, e30-8	3.8	36
99	Serologic survey for Lelystad and VR-2332 strains of porcine respiratory and reproductive syndrome (PRRS) virus in US swine herds. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1993</b> , 5, 612-4	1.5	36
98	Canine parvovirus effect on wolf population change and pup survival. <i>Journal of Wildlife Diseases</i> , <b>1993</b> , 29, 330-3	1.3	35
97	A retrospective study on poult enteritis syndrome in Minnesota. <i>Avian Diseases</i> , <b>2009</b> , 53, 268-75	1.6	34
96	Survival of airborne MS2 bacteriophage generated from human saliva, artificial saliva, and cell culture medium. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 2796-803	4.8	32
95	Antiviral Effects of <i>Lactococcus lactis</i> on Feline Calicivirus, A Human Norovirus Surrogate. <i>Food and Environmental Virology</i> , <b>2014</b> , 6, 282-9	4	32
94	Excretion and persistence of bovine coronavirus in neonatal calves. <i>Archives of Virology</i> , <b>1990</b> , 115, 127-326	3.2	32
93	Isolation and molecular characterization of a novel picornavirus from baitfish in the USA. <i>PLoS ONE</i> , <b>2014</b> , 9, e87593	3.7	29
92	Evaluation of biosecurity measures to prevent indirect transmission of porcine epidemic diarrhea virus. <i>BMC Veterinary Research</i> , <b>2017</b> , 13, 89	2.7	28
91	Isolation and characterization of a turkey arthritis reovirus. <i>Avian Diseases</i> , <b>2013</b> , 57, 97-103	1.6	27
90	Molecular detection of enteric viruses from diarrhetic calves in Egypt. <i>Archives of Virology</i> , <b>2017</b> , 162, 129-137	2.6	27
89	In situ inactivation of human norovirus GII.4 by cold plasma: Ethidium monoazide (EMA)-coupled RT-qPCR underestimates virus reduction and fecal material suppresses inactivation. <i>Food Microbiology</i> , <b>2020</b> , 85, 103307	6	27
88	The occurrence of enteric viruses in Light Turkey Syndrome. <i>Avian Pathology</i> , <b>2013</b> , 42, 497-501	2.4	26
87	Influence of Suspending Liquid, Impactor Type, and Substrate on Size-Selective Sampling of MS2 and Adenovirus Aerosols. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 249-257	3.4	25
86	Cold argon-oxygen plasma species oxidize and disintegrate capsid protein of feline calicivirus. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194618	3.7	24
85	Lymph node lesions in neonatal pigs congenitally exposed to porcine reproductive and respiratory syndrome virus. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1994</b> , 6, 368-71	1.5	24
84	Prevalence and complete genome characterization of turkey picobirnaviruses. <i>Infection, Genetics and Evolution</i> , <b>2015</b> , 30, 134-139	4.5	22
83	Inactivation of virus and bacteria using cold atmospheric pressure air plasmas and the role of reactive nitrogen species. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 434004	3	21

82	Description of the Microsporidian Parasite, <i>Heterosporis sutherlandae</i> n. sp., Infecting Fish in the Great Lakes Region, USA. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132027	3.7	21
81	Seroprevalence of avian pneumovirus in Minnesota turkeys. <i>Avian Diseases</i> , <b>2003</b> , 47, 700-6	1.6	21
80	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). <i>PLoS ONE</i> , <b>2016</b> , 11, e0158128	3.7	21
79	Assessment of air sampling methods and size distribution of virus-laden aerosols in outbreaks in swine and poultry farms. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2017</b> , 29, 298-304	1.5	20
78	Diagnostic investigation of bovine viral diarrhea infection in a Minnesota dairy herd. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1989</b> , 1, 57-61	1.5	19
77	Environmental persistence of porcine coronaviruses in feed and feed ingredients. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178094	3.7	19
76	The role of avian reoviruses in turkey tenosynovitis/arthritis. <i>Avian Pathology</i> , <b>2014</b> , 43, 371-8	2.4	18
75	PCR-based detection of an emerging avian pneumovirus in US turkey flocks. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2001</b> , 13, 201-5	1.5	18
74	Detection of porcine reproductive and respiratory syndrome virus by reverse transcription-polymerase chain reaction using different regions of the viral genome. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1999</b> , 11, 27-33	1.5	18
73	Outbreaks of foot and mouth disease in Egypt: Molecular epidemiology, evolution and cardiac biomarkers prognostic significance. <i>International Journal of Veterinary Science and Medicine</i> , <b>2018</b> , 6, 22-30	3.4	17
72	Greater than 3-Log Reduction in Viable Coronavirus Aerosol Concentration in Ducted Ultraviolet-C (UV-C) Systems. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 4174-4182	10.3	17
71	Rapid inactivation of airborne porcine reproductive and respiratory syndrome virus using an atmospheric pressure air plasma. <i>Plasma Processes and Polymers</i> , <b>2020</b> , 17, 1900269	3.4	16
70	Occurrence of <i>Campylobacter</i> in retail meat in Lahore, Pakistan. <i>Acta Tropica</i> , <b>2018</b> , 185, 42-45	3.2	16
69	Viral pollution of the marine environment. <i>Critical Reviews in Environmental Control</i> , <b>1984</b> , 14, 1-32		16
68	Genomic characterization of a novel calicivirus, FHMCV-2012, from baitfish in the USA. <i>Archives of Virology</i> , <b>2017</b> , 162, 3619-3627	2.6	15
67	Prevalence of antibody titers to <i>Leptospira</i> spp. in Minnesota white-tailed deer. <i>Journal of Wildlife Diseases</i> , <b>1992</b> , 28, 445-8	1.3	14
66	Feed additives decrease survival of delta coronavirus in nursery pig diets. <i>Porcine Health Management</i> , <b>2017</b> , 3, 5	3.5	13
65	Stability of Porcine Epidemic Diarrhea Virus on Fomite Materials at Different Temperatures. <i>Veterinary Sciences</i> , <b>2018</b> , 5,	2.4	12

64	Enteric viruses in turkey enteritis. <i>VirusDisease</i> , <b>2014</b> , 25, 173-85	3.4	12
63	Avian Reovirus Infections <b>2020</b> , 382-400		12
62	Evolutionary, epidemiological, demographical, and geographical dissection of porcine bocavirus in China and America. <i>Virus Research</i> , <b>2015</b> , 195, 13-24	6.4	11
61	Detection and genetic characterization of bovine kobuvirus from calves in Egypt. <i>Archives of Virology</i> , <b>2018</b> , 163, 1439-1447	2.6	11
60	Airborne Virus Survivability During Long-Term Sampling Using a Non-Viable Andersen Cascade Impactor in an Environmental Chamber. <i>Aerosol Science and Technology</i> , <b>2014</b> , 48, 1360-1368	3.4	11
59	Comparison of immunohistochemistry, electron microscopy, and direct fluorescent antibody test for the detection of bovine coronavirus. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1998</b> , 10, 152-7	1.5	11
58	Canine parvovirus infection in wolves ( <i>Canis lupus</i> ) from Minnesota. <i>Journal of Wildlife Diseases</i> , <b>1986</b> , 22, 104-6	1.3	11
57	Genotypic relatedness and antimicrobial resistance of <i>Salmonella</i> Heidelberg isolated from chickens and turkeys in the midwestern United States. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2017</b> , 29, 370-375	1.5	10
56	Isolation of mixed subtypes of influenza A virus from a bald eagle ( <i>Haliaeetus leucocephalus</i> ). <i>Virology Journal</i> , <b>2010</b> , 7, 174	6.1	10
55	Seroprevalence of Lyme disease in gray wolves from Minnesota and Wisconsin. <i>Journal of Wildlife Diseases</i> , <b>1992</b> , 28, 177-82	1.3	10
54	Experimentally induced lameness in turkeys inoculated with a newly emergent turkey reovirus. <i>Veterinary Research</i> , <b>2015</b> , 46, 11	3.8	9
53	Survival of porcine epidemic diarrhea virus (PEDV) in thermally treated feed ingredients and on surfaces. <i>Porcine Health Management</i> , <b>2017</b> , 3, 17	3.5	9
52	Characterization of S class gene segments of a newly isolated turkey arthritis reovirus. <i>Virology</i> , <b>2014</b> , 464-465, 33-44	3.6	9
51	Death of a wild wolf from canine parvoviral enteritis. <i>Journal of Wildlife Diseases</i> , <b>1997</b> , 33, 321-2	1.3	9
50	Risk-Based Management of Viral Hemorrhagic Septicemia Virus in Minnesota. <i>North American Journal of Fisheries Management</i> , <b>2014</b> , 34, 373-379	1.1	8
49	Detection and elimination of carrier animals in a dairy herd persistently infected with bovine viral diarrhea virus. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1989</b> , 1, 277-9	1.5	8
48	Methods for Virus Recovery from Foods <b>2016</b> , 231-276		8
47	Bactericidal Efficacy of a Two-Dimensional Array of Integrated, Coaxial, Microhollow, Dielectric Barrier Discharge Plasma Against Serovar Heidelberg. <i>Foodborne Pathogens and Disease</i> , <b>2020</b> , 17, 157-165	3.8	8

46	Co-circulation of paramyxo- and influenza viruses in pigeons in Egypt. <i>Avian Pathology</i> , <b>2017</b> , 46, 367-375.	4	7
45	Involvement of Egyptian Foods in Foodborne Viral Illnesses: The Burden on Public Health and Related Environmental Risk Factors: An Overview. <i>Food and Environmental Virology</i> , <b>2019</b> , 11, 315-339	4	7
44	Antibiotic use and the prevalence of antibiotic resistant bacteria on turkey farms. <i>Journal of the Science of Food and Agriculture</i> , <b>2008</b> , 88, 714-719	4.3	7
43	Bacterial Loads in Moroccan Mussels from Harvest to Sale. <i>Journal of Food Protection</i> , <b>1995</b> , 58, 509-512.	2.5	7
42	A Newly Emergent Turkey Arthritis Reovirus Shows Dominant Enteric Tropism and Induces Significantly Elevated Innate Antiviral and T Helper-1 Cytokine Responses. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144083.	3.7	7
41	Comparative evaluation of the virucidal effect of remote and direct cold air plasmas with UV-C. <i>Plasma Processes and Polymers</i> , <b>2020</b> , 17, 1900234	3.4	6
40	Complete Genome Sequences of Newcastle Disease Virus Isolates from Backyard Chickens in Northern India. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	6
39	Fate of Salmonella following application of swine manure to tile-drained clay loam soil. <i>Journal of Water and Health</i> , <b>2004</b> , 2, 97-101	2.2	6
38	Rapid detection of pseudorabies virus by the shell vial technique. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1995</b> , 7, 173-6	1.5	6
37	Evaluation of shell vial cell culture technique for the detection of bovine coronavirus. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1995</b> , 7, 301-4	1.5	6
36	Evaluation of two commercial ELISA test kits for the detection of pseudorabies antibodies in pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1990</b> , 2, 350-2	1.5	6
35	Virulence factors and antibiograms of Escherichia coli isolated from diarrheic calves of Egyptian cattle and water buffaloes. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232890	3.7	5
34	Genotypes, Antibiotic Resistance, and ST-8 Genetic Clone in Campylobacter Isolates from Sheep and Goats in Grenada. <i>Veterinary Medicine International</i> , <b>2014</b> , 2014, 212864	1.5	5
33	Optimizing the Recovery of Surrogates for Bacterial Bioterrorism Agents from Ventilation Filters. <i>Clean - Soil, Air, Water</i> , <b>2008</b> , 36, 601-608	1.6	5
32	Comparison of samplers collecting airborne influenza viruses: 1. Primarily impingers and cyclones. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244977	3.7	5
31	Surveillance, isolation and complete genome sequence of bovine parainfluenza virus type 3 in Egyptian cattle. <i>International Journal of Veterinary Science and Medicine</i> , <b>2017</b> , 5, 8-13	3.4	4
30	Whole-genome sequence analysis reveals unique SNP profiles to distinguish vaccine and wild-type strains of bovine herpesvirus-1 (BoHV-1). <i>Virology</i> , <b>2018</b> , 522, 27-36	3.6	4
29	Detection of Astrovirus, Coronavirus and Haemorrhagic Enteritis Virus in Turkeys with Poultry Enteritis Mortality Syndrome in Turkey. <i>Journal of Poultry Science</i> , <b>2015</b> , 52, 232-237	1.6	4

28	Microbial pollution of well water in southeastern Minnesota. <i>Journal of Environmental Science and Health Part A, Environmental Science and Engineering</i> , <b>1988</b> , 23, 453-468		4
27	Outbreaks of Duck Hepatitis A Virus in Egyptian Duckling Flocks. <i>Avian Diseases</i> , <b>2019</b> , 63, 68-74	1.6	4
26	Pathogenicity of newly emergent turkey arthritis reoviruses in chickens. <i>Poultry Science</i> , <b>2015</b> , 94, 2369-34	3.4	3
25	Detection and molecular characterization of astroviruses in turkeys. <i>Archives of Virology</i> , <b>2016</b> , 161, 939-46	4.6	3
24	Molecular characterization of L class genome segments of a newly isolated turkey arthritis reovirus. <i>Infection, Genetics and Evolution</i> , <b>2014</b> , 27, 193-201	4.5	3
23	Comparison of two size-differentiating air samplers for detecting airborne swine viruses under experimental conditions. <i>Aerosol Science and Technology</i> , <b>2017</b> , 51, 198-205	3.4	3
22	Survival of turkey arthritis reovirus in poultry litter and drinking water. <i>Poultry Science</i> , <b>2015</b> , 94, 639-42	3.9	3
21	Phylogenetic analysis, genomic diversity and classification of M class gene segments of turkey reoviruses. <i>Veterinary Microbiology</i> , <b>2015</b> , 176, 70-82	3.3	3
20	Prevalence of Newcastle Disease Virus in Commercial and Backyard Poultry in Haryana, India. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 725232	3.1	3
19	A multiplex RT-PCR assay for the detection of fish picornaviruses. <i>Journal of Virological Methods</i> , <b>2015</b> , 221, 131-4	2.6	2
18	Phylogeny of bovine norovirus in Egypt based on VP2 gene. <i>International Journal of Veterinary Science and Medicine</i> , <b>2018</b> , 6, 48-52	3.4	2
17	An Outbreak of Fowl Aviadenovirus A-Associated Gizzard Erosion and Ulceration in Captive Bobwhite Quail (). <i>Avian Diseases</i> , <b>2021</b> , 65, 52-58	1.6	2
16	Detection and molecular characterization of kobuvirus from diarrheic goats in Minnesota. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2020</b> , 32, 873-879	1.5	2
15	Altered Biomechanical Properties of Gastrocnemius Tendons of Turkeys Infected with Turkey Arthritis Reovirus. <i>Veterinary Medicine International</i> , <b>2016</b> , 2016, 7829138	1.5	2
14	Prevalence of Newcastle disease and associated risk factors in domestic chickens in the Indian state of Odisha.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264028	3.7	2
13	Durable nanocomposite face masks with high particulate filtration and rapid inactivation of coronaviruses.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24318	4.9	2
12	Comparison of Three Methods for the Concentration of Poliovirus from Moroccan Shellfish. <i>Journal of Food Protection</i> , <b>1994</b> , 57, 996-1000	2.5	1
11	A dot immunobinding assay on nitrocellulose for the detection of bovid herpesvirus-4 antibodies. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1990</b> , 2, 107-10	1.5	1

10	Retrospective Analysis of Turkey Arthritis Reovirus Diagnostic Submissions in Minnesota. <i>Avian Diseases</i> , <b>2019</b> , 63, 681-685	1.6	1
9	Molecular characterization of a novel <i>Camelus dromedarius</i> papillomavirus. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>2020</b> , 73, 101561	2.6	1
8	Genomic features of first bovine astrovirus detected in Egypt. <i>VirusDisease</i> , <b>2021</b> , 32, 601-607	3.4	1
7	Enteric Viruses Associated with Mid-growth Turkey Enteritis. <i>Avian Diseases</i> , <b>2020</b> , 64, 471-477	1.6	0
6	Genetic Diversity of <i>Ornithobacterium rhinotracheale</i> Isolated from Chickens and Turkeys in the United States. <i>Avian Diseases</i> , <b>2020</b> , 64, 324-329	1.6	0
5	Genomic-based characterization of <i>Enterococcus</i> spp.: an emerging pathogen isolated from human gut. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 5371-5376	2.8	0
4	Comparative Pathogenesis of Turkey Reoviruses.. <i>Avian Pathology</i> , <b>2022</b> , 1-26	2.4	0
3	Retraction. Triple reassortant swine influenza A (H3N2) virus in waterfowl. <i>Emerging Infectious Diseases</i> , <b>2013</b> , 19, 181	10.2	
2	Use of Temperature-Sensitive Gel for the Concentration of <i>Escherichia Coli</i> in Milk. <i>Journal of Food Protection</i> , <b>1989</b> , 52, 62-64	2.5	
1	Comparative removal of enteric bacteria and poliovirus by sandy soils. <i>Journal of Environmental Science and Health Part A, Environmental Science and Engineering</i> , <b>1985</b> , 20, 617-624		