

Samendra P Sherchan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,354
citations

19
h-index

35
g-index

77
ext. papers

2,225
ext. citations

6.1
avg, IF

5.28
L-index

#	Paper	IF	Citations
72	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2.. <i>Archives of Biochemistry and Biophysics</i> , 2022 , 717, 109124	4.1	2
71	Detection of SARS-CoV-2 RNA in wastewater, river water, and hospital wastewater of Nepal.. <i>Science of the Total Environment</i> , 2022 , 824, 153816	10.2	3
70	Incidence of human associated HF183 Bacteroides marker and E. coli levels in New Orleans Canals. <i>Science of the Total Environment</i> , 2022 , 806, 150356	10.2	0
69	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , 2022 , 805, 149877	10.2	36
68	Harmful algal bloom-related 311 calls, Cape Coral, Florida 2018-2019.. <i>Journal of Water and Health</i> , 2022 , 20, 531-538	2.2	
67	Occurrence of Naegleria fowleri and faecal indicators in sediments from Lake Pontchartrain, Louisiana.. <i>Journal of Water and Health</i> , 2022 , 20, 657-669	2.2	0
66	Hurricane Michael and Adverse Birth Outcomes in the Florida Panhandle: Analysis of Vital Statistics Data.. <i>Disaster Medicine and Public Health Preparedness</i> , 2022 , 1-8	2.8	1
65	Integrating Virus Monitoring Strategies for Safe Non-Potable Water Reuse. <i>Water (Switzerland)</i> , 2022 , 14, 1187	3	1
64	SARS-CoV-2 shedding sources in wastewater and implications for wastewater-based epidemiology.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128667	12.8	5
63	Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19.. <i>Science of the Total Environment</i> , 2022 , 155347	10.2	2
62	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology.. <i>Water Research</i> , 2022 , 218, 118451	12.5	0
61	Prevalence of antibiotic resistance genes in drinking water of the Kathmandu Valley, Nepal. <i>Environmental Challenges</i> , 2022 , 7, 100527	2.6	0
60	Application of digital PCR for public health-related water quality monitoring.. <i>Science of the Total Environment</i> , 2022 , 155663	10.2	1
59	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , 2021 , 194, 128-143	7.9	2
58	Enhanced decay of coronaviruses in sewers with domestic wastewater. <i>Science of the Total Environment</i> , 2021 , 813, 151919	10.2	3
57	Persistence and occurrence of SARS-CoV-2 in water and wastewater environments: a review of the current literature. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	4
56	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , 2021 , 288, 5010-5020	5.7	73

55	Wastewater Surveillance for SARS-CoV-2 on College Campuses: Initial Efforts, Lessons Learned, and Research Needs. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	48
54	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. <i>ACS Nano</i> , 2021 , 15, 8069-8086	16.7	59
53	Bathing Water Quality Monitoring Practices in Europe and the United States. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	13
52	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , 2021 , 133, 104380	7	23
51	Letter to the Editor regarding Mathavarajah et al. (2020) Pandemic danger to the deep: The risk of marine mammals contracting SARS-CoV-2 from wastewater. <i>Science of the Total Environment</i> , 2021 , 773, 144855	10.2	6
50	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 801-809	7.9	25
49	Occurrence of SARS-CoV-2 RNA in Six Municipal Wastewater Treatment Plants at the Early Stage of COVID-19 Pandemic in The United States. <i>Pathogens</i> , 2021 , 10,	4.5	8
48	COVID-19 containment on a college campus via wastewater-based epidemiology, targeted clinical testing and an intervention. <i>Science of the Total Environment</i> , 2021 , 779, 146408	10.2	83
47	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. <i>Biomolecules</i> , 2021 , 11,	5.9	13
46	Intraday variability of indicator and pathogenic viruses in 1-h and 24-h composite wastewater samples: Implications for wastewater-based epidemiology. <i>Environmental Research</i> , 2021 , 193, 110531	7.9	29
45	Implications of SARS-CoV-2 on current and future operation and management of wastewater systems. <i>Water Environment Research</i> , 2021 , 93, 502-515	2.8	9
44	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021 , 93, 1204-1206	6.7	31
43	Effects of Hurricane Michael on Access to Care for Pregnant Women and Associated Pregnancy Outcomes. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
42	Wastewater surveillance for SARS-CoV-2 on college campuses: Initial efforts, lessons learned and research needs 2021 ,		5
41	Assessing the effects of disasters and their aftermath on pregnancy and infant outcomes: A conceptual model. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 62,	4.5	1
40	Wastewater Based Epidemiology Perspective as a Faster Protocol for Detecting Coronavirus RNA in Human Populations: A Review with Specific Reference to SARS-CoV-2 Virus. <i>Pathogens</i> , 2021 , 10,	4.5	11
39	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , 2021 , 20, 102941	13.6	9
38	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. <i>Environmental Research</i> , 2021 , 204, 112092	7.9	1

37	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , 2021 , 20, 102909	13.6	4
36	Implications derived from S-protein variants of SARS-CoV-2 from six continents. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 934-955	7.9	1
35	Virus reduction at wastewater treatment plants in Nepal. <i>Environmental Challenges</i> , 2021 , 5, 100281	2.6	1
34	Possibility of Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) through Wastewater in Developing Countries. <i>Water (Switzerland)</i> , 2021 , 13, 3412	3	1
33	Circulating Genotypes of Rotavirus Prior to Rotarix? vaccine Introduction in Kathmandu, Nepal.. <i>Journal of Nepal Health Research Council</i> , 2021 , 19, 508-512	0.9	
32	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , 2020 , 25,	4.8	21
31	The Occurrence of Antibiotic Resistance Genes in an Urban River in Nepal. <i>Water (Switzerland)</i> , 2020 , 12, 450	3	9
30	Removal of Antibiotic Resistance Genes at Two Conventional Wastewater Treatment Plants of Louisiana, USA. <i>Water (Switzerland)</i> , 2020 , 12, 1729	3	19
29	First detection of SARS-CoV-2 RNA in wastewater in North America: A study in Louisiana, USA. <i>Science of the Total Environment</i> , 2020 , 743, 140621	10.2	228
28	Reduction of Human Enteric and Indicator Viruses at a Wastewater Treatment Plant in Southern Louisiana, USA. <i>Food and Environmental Virology</i> , 2020 , 12, 260-263	4	8
27	Evaluation of CrAssphage Marker for Tracking Fecal Contamination in River Water in Nepal. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	7
26	Applicability of crAssphage, pepper mild mottle virus, and tobacco mosaic virus as indicators of reduction of enteric viruses during wastewater treatment. <i>Scientific Reports</i> , 2020 , 10, 3616	4.9	36
25	Reduction of erythromycin resistance gene erm(F) and class 1 integron-integrase genes in wastewater by Bardenpho treatment. <i>Water Environment Research</i> , 2020 , 92, 1042-1050	2.8	3
24	Microbiological Assessment of Tap Water Following the 2016 Louisiana Flooding. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
23	Assessment of microbial risks by characterization of Escherichia coli presence to analyze the public health risks from poor water quality in Nepal. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 226, 113484	6.9	14
22	Arsenic disturbs the gut microbiome of individuals in a disadvantaged community in Nepal. <i>Heliyon</i> , 2020 , 6, e03313	3.6	7
21	Molecular detection of opportunistic premise plumbing pathogens in rural Louisiana's drinking water distribution system. <i>Environmental Research</i> , 2020 , 181, 108847	7.9	11
20	Decay of SARS-CoV-2 and surrogate murine hepatitis virus RNA in untreated wastewater to inform application in wastewater-based epidemiology. <i>Environmental Research</i> , 2020 , 191, 110092	7.9	156

19	Reduction of Pathogenic and Indicator Viruses at a Drinking Water Treatment Plant in Southern Louisiana, USA. <i>Food and Environmental Virology</i> , 2020 , 12, 269-273	4	1
18	Molecular detection of opportunistic pathogens and insights into microbial diversity in private well water and premise plumbing. <i>Journal of Water and Health</i> , 2020 , 18, 820-834	2.2	6
17	Prevalence of intestinal parasitosis and associated risk factors among school children of Saptari district, Nepal: a cross-sectional study. <i>Tropical Medicine and Health</i> , 2020 , 48, 73	3.4	4
16	Removal of fecal indicator bacteria and antibiotic resistant genes in constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 10188-10197	5.1	17
15	Prevalence of Arcobacter and Other Pathogenic Bacteria in River Water in Nepal. <i>Water (Switzerland)</i> , 2019 , 11, 1416	3	11
14	Reduction of at Two Conventional Wastewater Treatment Plants in Southern Arizona, USA. <i>Pathogens</i> , 2019 , 8,	4.5	9
13	Assessing the spatial and temporal variability of bacterial communities in two Bardenpho wastewater treatment systems via Illumina MiSeq sequencing. <i>Science of the Total Environment</i> , 2019 , 657, 1543-1552	10.2	30
12	Quantitative assessment of Naegleria fowleri and fecal indicator bacteria in brackish water of Lake Pontchartrain, Louisiana. <i>Science of the Total Environment</i> , 2018 , 622-623, 8-16	10.2	11
11	Near Real-Time Detection of in Reclaimed Water. <i>Sensors</i> , 2018 , 18,	3.8	12
10	Presence of Human Enteric Viruses, Protozoa, and Indicators of Pathogens in the Bagmati River, Nepal. <i>Pathogens</i> , 2018 , 7,	4.5	28
9	Comparison of next-generation droplet digital PCR with quantitative PCR for enumeration of Naegleria fowleri in environmental water and clinical samples. <i>Letters in Applied Microbiology</i> , 2018 , 67, 322-328	2.9	7
8	Assessment of fecal pollution in Lake Pontchartrain, Louisiana. <i>Marine Pollution Bulletin</i> , 2018 , 129, 655-663		12
7	Prevalence and associated risk factors of Giardia duodenalis infection among school-going children in Nepal. <i>Parasitology Research</i> , 2018 , 117, 287-293	2.4	8
6	Prevalence of methicillin resistant , multidrug resistant and extended spectrum β lactamase producing gram negative bacilli causing wound infections at a tertiary care hospital of Nepal. <i>Antimicrobial Resistance and Infection Control</i> , 2018 , 7, 121	6.2	28
5	Reduction of Cryptosporidium, Giardia, and Fecal Indicators by Bardenpho Wastewater Treatment. <i>Environmental Science & Technology</i> , 2018 , 52, 7015-7023	10.3	9
4	Association between screen time and depression among US adults. <i>Preventive Medicine Reports</i> , 2017 , 8, 67-71	2.6	51
3	The Deepwater Horizon Oil Spill Through the Lens of Human Health and the Ecosystem. <i>Current Environmental Health Reports</i> , 2016 , 3, 370-378	6.5	24
2	Inactivation of MS2 coliphage by UV and hydrogen peroxide: comparison by cultural and molecular methodologies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 397-403	2.3	13

1 Wastewater-based Epidemiology for Averting COVID-19 Outbreaks on The University of Arizona Campus

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