

Venkatramana Divana Krishna

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

823
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Magnetoresistance-based Biosensor for Detection of Influenza A Virus. <i>Frontiers in Microbiology</i> , 2016, 7, 400.	3.5	132
2	Nanotechnology: Review of concepts and potential application of sensing platforms in food safety. <i>Food Microbiology</i> , 2018, 75, 47-54.	4.2	131
3	Portable GMR Handheld Platform for the Detection of Influenza A Virus. <i>ACS Sensors</i> , 2017, 2, 1594-1601.	7.8	96
4	Magnetic-Nanosensor-Based Virus and Pathogen Detection Strategies before and during COVID-19. <i>ACS Applied Nano Materials</i> , 2020, 3, 9560-9580.	5.0	81
5	Virus-Specific Cytolytic Antibodies to Nonstructural Protein 1 of Japanese Encephalitis Virus Effect Reduction of Virus Output from Infected Cells. <i>Journal of Virology</i> , 2009, 83, 4766-4777.	3.4	58
6	Magnetic Particle Spectroscopy for Detection of Influenza A Virus Subtype H1N1. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13686-13697.	8.0	55
7	Detection of Influenza a Virus in Swine Nasal Swab Samples With a Wash-Free Magnetic Bioassay and a Handheld Giant Magnetoresistance Sensing System. <i>Frontiers in Microbiology</i> , 2019, 10, 1077.	3.5	53
8	Cutting Edge: Mouse SARS-CoV-2 Epitope Reveals Infection and Vaccine-Elicited CD8 T Cell Responses. <i>Journal of Immunology</i> , 2021, 206, 931-935.	0.8	36
9	One-Step, Wash-free, Nanoparticle Clustering-Based Magnetic Particle Spectroscopy Bioassay Method for Detection of SARS-CoV-2 Spike and Nucleocapsid Proteins in the Liquid Phase. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44136-44146.	8.0	35
10	Cell-mediated immune responses in healthy children with a history of subclinical infection with Japanese encephalitis virus: analysis of CD4+ and CD8+ T cell target specificities by intracellular delivery of viral proteins using the human immunodeficiency virus Tat protein transduction domain. <i>Journal of General Virology</i> , 2004, 85, 471-482.	2.9	25
11	Stability of Porcine Epidemic Diarrhea Virus on Fomite Materials at Different Temperatures. <i>Veterinary Sciences</i> , 2018, 5, 21.	1.7	21
12	Interspecies Organogenesis for Human Transplantation. <i>Cell Transplantation</i> , 2019, 28, 1091-1105.	2.5	19
13	Immune responses to porcine epidemic diarrhea virus (PEDV) in swine and protection against subsequent infection. <i>PLoS ONE</i> , 2020, 15, e0231723.	2.5	18
14	A Portable Magnetic Particle Spectrometer for Future Rapid and Wash-Free Bioassays. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7966-7976.	8.0	17
15	Magnetic nanoparticles and magnetic particle spectroscopy-based bioassays: a 15 year recap. <i>Nano Futures</i> , 2022, 6, 022001.	2.2	16
16	Zika virus-based immunotherapy enhances long-term survival of rodents with brain tumors through upregulation of memory T-cells. <i>PLoS ONE</i> , 2020, 15, e0232858.	2.5	8
17	Magnetic Particle Spectroscopy with One-Stage Lock-In Implementation for Magnetic Bioassays with Improved Sensitivities. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17221-17231.	3.1	8
18	Differential Induction of Type I and Type III Interferons by Swine and Human Origin H1N1 Influenza A Viruses in Porcine Airway Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0138704.	2.5	7

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19	Phylogenetically Distinct Near-Complete Genome Sequences of Porcine Reproductive and Respiratory Syndrome Virus Type 2 Variants from Four Distinct Disease Outbreaks at U.S. Swine Farms over the Past 6 Years. <i>Microbiology Resource Announcements</i> , 2021, 10, e0026021.	0.6	4
20	Enhancing the Antiviral Potency of Nucleobases for Potential Broad-Spectrum Antiviral Therapies. <i>Viruses</i> , 2021, 13, 2508.	3.3	1