Farah Mustafa

List of Publications by Year
in descending order

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69 papers	1,940 citations	304701 22 h-index	276858 41 g-index
74 all docs	74 docs citations	74 times ranked	1817 citing authors

#	Article	IF	Citations
1	Detection of SARS-CoV-2 in COVID-19 Patient Nasal Swab Samples Using Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 164-174.	10.8	1
2	Travel ban effects on SARS-CoV-2 transmission lineages in the UAE as inferred by genomic epidemiology. PLoS ONE, 2022, 17, e0264682.	2.5	3
3	Impact of the Sinopharmâ€™s BBIBP-CorV vaccine in preventing hospital admissions and death in infected vaccinees: Results from a retrospective study in the emirate of Abu Dhabi, United Arab Emirates (UAE). Vaccine, 2022, 40, 2003-2010.	3.8	39
4	Wastewater surveillance for SARS-CoV-2: Lessons learnt from recent studies to define future applications. Science of the Total Environment, 2021, 759, 143493.	8.0	84
5	A purine loop and the primer binding site are critical for the selective encapsidation of mouse mammary tumor virus genomic RNA by Pr77Gag. Nucleic Acids Research, 2021, 49, 4668-4688.	14.5	9
6	Identification of Pr78Gag Binding Sites on the Mason-Pfizer Monkey Virus Genomic RNA Packaging Determinants. Journal of Molecular Biology, 2021, 433, 166923.	4.2	7
7	A Comprehensive Analysis of Northern versus Liquid Hybridization Assays for mRNAs, Small RNAs, and miRNAs Using a Non-Radiolabeled Approach. Current Issues in Molecular Biology, 2021, 43, 457-484.	2.4	12
8	Optical Detection of SARS-CoV-2 Utilizing Antigen-Antibody Binding Interactions. Sensors, 2021, 21, 6596.	3.8	5
9	A Stretch of Unpaired Purines in the Leader Region of Simian Immunodeficiency Virus (SIV) Genomic RNA is Critical for its Packaging into Virions. Journal of Molecular Biology, 2021, 433, 167293.	4.2	4
10	Role of Purine-Rich Regions in Mason-Pfizer Monkey Virus (MPMV) Genomic RNA Packaging and Propagation. Frontiers in Microbiology, 2020, 11, 595410.	3.5	5
11	SARS-CoV-2/COVID-19: Viral Genomics, Epidemiology, Vaccines, and Therapeutic Interventions. Viruses, 2020, 12, 526.	3.3	197
12	Simultaneous and rapid quantification of microalga biomolecule content using electrochemical impedance spectroscopy. Biotechnology Progress, 2020, 36, e3037.	2.6	2
13	Organic extracts from Cleome droserifolia exhibit effective caspase-dependent anticancer activity. BMC Complementary Medicine and Therapies, 2020, 20, 74.	2.7	9
14	Electrical detection of blood cells in urine. Heliyon, 2020, 6, e03102.	3.2	5
15	The Large Action of Chlorpromazine: Translational and Transdisciplinary Considerations in the Face of COVID-19. Frontiers in Pharmacology, 2020, 11, 577678.	3.5	29
16	Antioxidant and Cytotoxicity Activity of Phenolic Compounds from Piper sarmentosum Roxb. Against T47D Human Breast Cancer Cell. Natural Products Journal, 2020, 10, 364-371.	0.3	0
17	Purification and Functional Characterization of a Biologically Active Full-Length Feline Immunodeficiency Virus (FIV) Pr50Gag. Viruses, 2019, 11, 689.	3.3	12
18	Differential Cytotoxic Potential of Acridocarpus orientalis Leaf and Stem Extracts with the Ability to Induce Multiple Cell Death Pathways. Molecules, 2019, 24, 3976.	3.8	8

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19	Identification and Characterization of the Caspase-Mediated Apoptotic Activity of Teucrium mascatense and an Isolated Compound in Human Cancer Cells. Molecules, 2019, 24, 977.	3.8	12
20	Stabilizing role of structural elements within the 5Â´ Untranslated Region (UTR) and gag sequences in Mason-Pfizer monkey virus (MPMV) genomic RNA packaging. RNA Biology, 2019, 16, 612-625.	3.1	9
21	MMTV does not encode viral microRNAs but alters the levels of cancer-associated host microRNAs. Virology, 2018, 513, 180-187.	2.4	8
22	Detection of Mouse Mammary Tumor Virus (MMTV) Particles in an Immortalized T Cell Line Based on Electrical Parameters. IEEE Access, 2018, 6, 63597-63605.	4.2	2
23	A cis-Acting Element Downstream of the Mouse Mammary Tumor Virus Major Splice Donor Critical for RNA Elongation and Stability. Journal of Molecular Biology, 2018, 430, 4307-4324.	4.2	14
24	Expression, purification, and characterization of biologically active full-length Mason-Pfizer monkey virus (MPMV) Pr78Gag. Scientific Reports, 2018, 8, 11793.	3.3	9
25	The bifurcated stem loop 4 (SL4) is crucial for efficient packaging of mouse mammary tumor virus (MMTV) genomic RNA. RNA Biology, 2018, 15, 1-13.	3.1	13
26	Biochemical and Functional Characterization of Mouse Mammary Tumor Virus Full-Length Pr77Gag Expressed in Prokaryotic and Eukaryotic Cells. Viruses, 2018, 10, 334.	3.3	13
27	Electrical Characterization of Normal and Cancer Cells. IEEE Access, 2018, 6, 25979-25986.	4.2	61
28	Investigation of DNA Sequences Utilizing Frequency-Selective Nanopore Structures. Lecture Notes in Computer Science, 2017, , 3-11.	1.3	0
29	Visualization and quantification of oil in single microalgal cells. Journal of Applied Phycology, 2017, 29, 1195-1202.	2.8	1
30	Cross- and Co-Packaging of Retroviral RNAs and Their Consequences. Viruses, 2016, 8, 276.	3.3	28
31	Packaging of Mason-Pfizer monkey virus (MPMV) genomic RNA depends upon conserved long-range interactions (LRIs) between U5 andgagsequences. Rna, 2016, 22, 905-919.	3.5	19
32	Electrical detection and quantification of single and mixed DNA nucleotides in suspension. Scientific Reports, 2016, 6, 34016.	3.3	5
33	Electrical characterization of DNA supported on nitrocellulose membranes. Scientific Reports, 2016, 6, 29089.	3.3	7
34	Label-Free Capacitance-Based Identification of Viruses. Scientific Reports, 2015, 5, 9809.	3.3	14
35	Structural basis of genomic RNA (gRNA) dimerization and packaging determinants of mouse mammary tumor virus (MMTV). Retrovirology, 2014, 11, 96.	2.0	29
36	Virus detection and quantification using electrical parameters. Scientific Reports, 2014, 4, 6831.	3.3	16

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37	Bioenergetics of murine lungs infected with respiratory syncytial virus. Virology Journal, 2013, 10, 22.	3.4	5
38	Cellular bioenergetics, caspase activity and glutathione in murine lungs infected with influenza A virus. Virology, 2013, 446, 180-188.	2.4	10
39	A Critical Examination of Complex Network File Formats for Bioinformatics Data Sources. , 2012, , .		0
40	Sequences within Both the 5â€² UTR and Gag Are Required for Optimal In Vivo Packaging and Propagation of Mouse Mammary Tumor Virus (MMTV) Genomic RNA. PLoS ONE, 2012, 7, e47088.	2.5	25
41	Reciprocal cross-packaging of primate lentiviral (HIV-1 and SIV) RNAs by heterologous non-lentiviral MPMV proteins. Virus Research, 2011, 155, 352-357.	2.2	18
42	A discrete event system specification (DEVS)-based model of consanguinity. Journal of Theoretical Biology, 2011, 285, 103-112.	1.7	4
43	Optimal Packaging of FIV Genomic RNA Depends upon a Conserved Long-range Interaction and a Palindromic Sequence within gag. Journal of Molecular Biology, 2010, 403, 103-119.	4.2	29
44	Role of a heterologous retroviral transport element in the development of genetic complementation assay for mouse mammary tumor virus (MMTV) replication. Virology, 2009, 385, 464-472.	2.4	16
45	A new hybrid agent-based modeling & simulation decision support system for breast cancer data analysis. , 2009, , .		16
46	Selective recognition of acetylated histones by bromodomains in transcriptional co-activators. Biochemical Journal, 2007, 402, 125-133.	3.7	64
47	Both the 5â€² and 3â€² LTRs of FIV contain minor RNA encapsidation determinants compared to the two core packaging determinants within the 5â€² untranslated region and gag. Microbes and Infection, 2006, 8, 767-778.	1.9	18
48	Relative activity of the feline immunodeficiency virus promoter in feline and primate cell lines. Microbes and Infection, 2005, 7, 233-239.	1.9	17
49	Sequences Intervening between the Core Packaging Determinants Are Dispensable for Maintaining the Packaging Potential and Propagation of Feline Immunodeficiency Virus Transfer Vector RNAs. Journal of Virology, 2005, 79, 13817-13821.	3.4	27
50	Mutational analysis of the predicted secondary RNA structure of the Mason-Pfizer monkey virus packaging signal. Virus Research, 2004, 99, 35-46.	2.2	14
51	Close proximity of the MPMV CTE to the polyadenylation sequences is important for efficient function in the subgenomic context. Virus Research, 2004, 105, 209-218.	2.2	0
52	Sequences within both the 5â€² untranslated region and the Gag gene are important for efficient encapsidation of Masonâ€“Pfizer monkey virus RNA. Virology, 2003, 309, 166-178.	2.4	19
53	Sequences within the gag gene of feline immunodeficiency virus (FIV) are important for efficient RNA encapsidation. Virus Research, 2003, 93, 199-209.	2.2	28
54	Delineation of sequences important for efficient packaging of feline immunodeficiency virus RNA. Journal of General Virology, 2003, 84, 621-627.	2.9	30

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55	The Type B Leukemogenic Virus Truncated Superantigen Is Dispensable for T-Cell Lymphomagenesis. Journal of Virology, 2003, 77, 3866-3870.	3.4	27
56	Type B Leukemogenic Virus Has a T-Cell-Specific Enhancer That Binds AML-1. Journal of Virology, 2001, 75, 2174-2184.	3.4	23
57	Successful DNA immunization against measles: Neutralizing antibody against either the hemagglutinin or fusion glycoprotein protects rhesus macaques without evidence of atypical measles. Nature Medicine, 2000, 6, 776-781.	30.7	117
58	C3H Mouse Mammary Tumor Virus Superantigen Function Requires a Splice Donor Site in the Envelope Gene. Journal of Virology, 2000, 74, 9431-9440.	3.4	19
59	DNA immunization: effect of secretion of DNA-expressed hemagglutinins on antibody responses. Vaccine, 1999, 18, 805-814.	3.8	40
60	Expression of Mouse Mammary Tumor Virus Superantigen mRNA in the Thymus Correlates with Kinetics of Self-Reactive T-Cell Loss. Journal of Virology, 1999, 73, 6634-6645.	3.4	18
61	Mapping of HIV-1 Determinants of Apoptosis in Infected T Cells. Virology, 1998, 252, 407-417.	2.4	18
62	Short Communication: Immunogenicity of DNA Vaccines Expressing Human Immunodeficiency Virus Type 1 Envelope Glycoprotein with and without Deletions in the V1/2 and V3 Regions. AIDS Research and Human Retroviruses, 1998, 14, 151-155.	1.1	80
63	Early studies on DNA-based immunizations for measles virus. Vaccine, 1997, 15, 888-891.	3.8	27
64	HIV-1 Env Glycoproteins from Two Series of Primary Isolates: Replication Phenotype and Immunogenicity. Virology, 1997, 229, 269-278.	2.4	28
65	Screening of HIV-1 Env Glycoproteins for the Ability to Raise Neutralizing Antibody Using DNA Immunization and Recombinant Vaccinia Virus Boosting. Virology, 1997, 230, 265-274.	2.4	69
66	Simian immunodeficiency virus-specific cytotoxic T-lymphocyte induction through DNA vaccination of rhesus monkeys. Journal of Virology, 1996, 70, 678-681.	3.4	138
67	Simian immunodeficiency virus DNA vaccine trial in macaques. Journal of Virology, 1996, 70, 3978-3991.	3.4	233
68	Simian Immunodeficiency Virus DNA Vaccine Trial in Macaques. Annals of the New York Academy of Sciences, 1995, 772, 209-211.	3.8	14
69	Context-dependent role of human immunodeficiency virus type 1 auxiliary genes in the establishment of chronic virus producers. Journal of Virology, 1993, 67, 6909-6915.	3.4	29