Sk Sarif Hassan

List of Publications by Year
in descending order

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		567281	477307
47	1,080	15	29
papers	citations	h-index	g-index

77	77	77	1226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. Environmental Research, 2022, 204, 112092.	7.5	4
2	Feature-extraction and analysis based on spatial distribution of amino acids for SARS-CoV-2 Protein sequences. Computers in Biology and Medicine, 2022, 141, 105024.	7.0	17
3	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. International Journal of Biological Macromolecules, 2022, 194, 128-143.	7.5	13
4	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. Archives of Biochemistry and Biophysics, 2022, 717, 109124.	3.0	20
5	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	2.0	7
6	Relationship ofÂTwo Discrete Dynamical Models: One-Dimensional Cellular Automata andÂIntegral Value Transformations. Advances in Intelligent Systems and Computing, 2022, , 79-93.	0.6	1
7	Would New SARS-CoV-2 Variants Change the War against COVID-19?. Epidemiologia, 2022, 3, 229-237.	2.2	3
8	The structural basis of accelerated host cell entry by SARSâ€CoVâ€2â€. FEBS Journal, 2021, 288, 5010-5020.	4.7	129
9	Questions concerning the proximal origin of SARSâ€CoVâ€2. Journal of Medical Virology, 2021, 93, 1204-1206.	5.0	56
10	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. Biomolecules, 2021, 11, 398.	4.0	3
11	Clade GR and clade GH isolates of SARS-CoV-2 in Asia show highest amount of SNPs. Infection, Genetics and Evolution, 2021, 89, 104724.	2.3	29
12	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086.	14.6	134
13	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	7.0	48
14	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. International Journal of Biological Macromolecules, 2021, 181, 801-809.	7.5	36
15	Rare mutations in the accessory proteins ORF6, ORF7b, and ORF10 of the SARS-CoV-2 genomes. Meta Gene, 2021, 28, 100873.	0.6	7
16	Pathogenic perspective of missense mutations of ORF3a protein of SARS-CoV-2. Virus Research, 2021, 300, 198441.	2.2	13
17	COVID-19 Vaccines and Thrombosisâ€”Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	4.0	28
18	The viral capsid as novel nanomaterials for drug delivery. Future Science OA, 2021, 7, FSO744.	1.9	14

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19	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. Autoimmunity Reviews, 2021, 20, 102941.	5.8	39
20	Potential Molecular Mechanisms of Rare Anti-Tumor Immune Response by SARS-CoV-2 in Isolated Cases of Lymphomas. Viruses, 2021, 13, 1927.	3.3	10
21	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	7.5	10
22	A Vicenary Analysis of SARS-CoV-2 Genomes. Computers, Materials and Continua, 2021, 69, 3477-3493.	1.9	10
23	Fused deposition modelling: Current status, methodology, applications and future prospects. Additive Manufacturing, 2021, 47, 102378.	3.0	99
24	Analysis of Boolean functions based on interaction graphs and their influence in system biology. Neural Computing and Applications, 2020, 32, 7803-7821.	5.6	0
25	Missense mutations in SARS-CoV2 genomes from Indian patients. Genomics, 2020, 112, 4622-4627.	2.9	33
26	Molecular phylogeny and missense mutations at envelope proteins across coronaviruses. Genomics, 2020, 112, 4993-5004.	2.9	7
27	The Importance of Research on the Origin of SARS-CoV-2. Viruses, 2020, 12, 1203.	3.3	27
28	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	3.8	33
29	Molecular conservation and differential mutation on ORF3a gene in Indian SARS-CoV2 genomes. Genomics, 2020, 112, 3226-3237.	2.9	51
30	SARS-CoV2 envelope protein: non-synonymous mutations and its consequences. Genomics, 2020, 112, 3890-3892.	2.9	40
31	Intelligent Classification and Analysis of Essential Genes Using Quantitative Methods. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21.	4.3	9
32	Ranking and clustering of Drosophila olfactory receptors using mathematical morphology. Genomics, 2019, 111, 549-559.	2.9	7
33	Dynamics of the Modified n-Degree Lorenz System. Applied Mathematics and Nonlinear Sciences, 2019, 4, 315-330.	1.6	16
34	Computational Complex Dynamcs of the Discrete Lorenz System. Journal of Applied Nonlinear Dynamics, 2019, 8, 345-366.	0.3	3
35	Fractal and mathematical morphology in intricate comparison between tertiary protein structures. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 192-203.	1.9	15
36	Computational dynamics of the Nicholson-Bailey models. European Physical Journal Plus, 2018, 133, 1.	2.6	2

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37	Dynamics of the Previte-Hoffman food web model with small immigrations. European Physical Journal Plus, 2018, 133, 1.	2.6	4
38	Analysis of Purines and Pyrimidines distribution over miRNAs of Human, Gorilla, Chimpanzee, Mouse and Rat. Scientific Reports, 2018, 8, 9974.	3.3	13
39	On the asymptotic character of a generalized rational difference equation. Discrete and Continuous Dynamical Systems, 2018, 38, 1707-1718.	0.9	0
40	Discrete dynamics of one dimensional Collatz like integral value transformations. Journal of Applied Mathematics and Computing, 2015, 49, 91-105.	2.5	2
41	Underlying mathematics in diversification of human olfactory receptors in different loci. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 270-273.	3.6	8
42	DNA sequence evolution through Integral Value Transformations. Interdisciplinary Sciences, Computational Life Sciences, 2012, 4, 128-132.	3.6	6
43	Underlying Mathematics in Diversification of Human Olfactory Receptors in Different Loci. Nature Precedings, 2011, , .	0.1	1
44	Understanding Genomic Evolution of Olfactory Receptors through Fractal and Mathematical Morphology. Nature Precedings, 2011, , .	0.1	1
45	Designing exons for human olfactory receptor gene subfamilies using a mathematical paradigm. Journal of Biosciences, 2010, 35, 389-393.	1.1	6
46	An attempt to understand Barstar, Barnase and Olfactory receptor protein folding problems using mathematical biological approach. Nature Precedings, 2010, , .	0.1	0
47	Carry Value Transformation (CVT): It's Application in Fractal formation. , 2009, , .		4