Sk Sarif Hassan

List of Publications by Year
in descending order

47 papers	1,080 citations	567281 15 h-index	477307 29 g-index
77 all docs	77 docs citations	77 times ranked	1226 citing authors

#	Article	IF	Citations
1	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086.	14.6	134
2	The structural basis of accelerated host cell entry by SARS‐CoV‐2. FEBS Journal, 2021, 288, 5010-5020.	4.7	129
3	Fused deposition modelling: Current status, methodology, applications and future prospects. Additive Manufacturing, 2021, 47, 102378.	3.0	99
4	Questions concerning the proximal origin of SARS‐CoV‐2. Journal of Medical Virology, 2021, 93, 1204-1206.	5.0	56
5	Molecular conservation and differential mutation on ORF3a gene in Indian SARS-CoV2 genomes. Genomics, 2020, 112, 3226-3237.	2.9	51
6	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	7.0	48
7	SARS-CoV2 envelope protein: non-synonymous mutations and its consequences. Genomics, 2020, 112, 3890-3892.	2.9	40
8	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. Autoimmunity Reviews, 2021, 20, 102941.	5.8	39
9	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
10	Missense mutations in SARS-CoV2 genomes from Indian patients. Genomics, 2020, 112, 4622-4627.	2.9	33
11	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	3.8	33
12	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
13	COVID-19 Vaccines and Thrombosis—Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	4.0	28
14	The Importance of Research on the Origin of SARS-CoV-2. Viruses, 2020, 12, 1203.	3.3	27
15	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. Archives of Biochemistry and Biophysics, 2022, 717, 109124.	3.0	20
16	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
17	Dynamics of the Modified n-Degree Lorenz System. Applied Mathematics and Nonlinear Sciences, 2019, 4, 315-330.	1.6	16
18	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

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19	The viral capsid as novel nanomaterials for drug delivery. Future Science OA, 2021, 7, FSO744.	1.9	14
20	Analysis of Purines and Pyrimidines distribution over miRNAs of Human, Gorilla, Chimpanzee, Mouse and Rat. Scientific Reports, 2018, 8, 9974.	3.3	13
21	Pathogenic perspective of missense mutations of ORF3a protein of SARS-CoV-2. Virus Research, 2021, 300, 198441.	2.2	13
22	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
23	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
24	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
25	A Vicenary Analysis of SARS-CoV-2 Genomes. Computers, Materials and Continua, 2021, 69, 3477-3493.	1.9	10
26	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
27	Underlying mathematics in diversification of human olfactory receptors in different loci. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 270-273.	3.6	8
28	Ranking and clustering of Drosophila olfactory receptors using mathematical morphology. Genomics, 2019, 111, 549-559.	2.9	7
29	Molecular phylogeny and missense mutations at envelope proteins across coronaviruses. Genomics, 2020, 112, 4993-5004.	2.9	7
30	Rare mutations in the accessory proteins ORF6, ORF7b, and ORF10 of the SARS-CoV-2 genomes. Meta Gene, 2021, 28, 100873.	0.6	7
31	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	2.0	7
32	Designing exons for human olfactory receptor gene subfamilies using a mathematical paradigm. Journal of Biosciences, 2010, 35, 389-393.	1.1	6
33	DNA sequence evolution through Integral Value Transformations. Interdisciplinary Sciences, Computational Life Sciences, 2012, 4, 128-132.	3.6	6
34	Carry Value Transformation (CVT): It's Application in Fractal formation. , 2009, , .		4
35	Dynamics of the Previte-Hoffman food web model with small immigrations. European Physical Journal Plus, 2018, 133, 1.	2.6	4
36	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. Environmental Research, 2022, 204, 112092.	7.5	4

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37	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
38	Computational Complex Dynamcs of the Discrete Lorenz System. Journal of Applied Nonlinear Dynamics, 2019, 8, 345-366.	0.3	3
39	Would New SARS-CoV-2 Variants Change the War against COVID-19?. Epidemiologia, 2022, 3, 229-237.	2.2	3
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	Computational dynamics of the Nicholson-Bailey models. European Physical Journal Plus, 2018, 133, 1.	2.6	2
42	Underlying Mathematics in Diversification of Human Olfactory Receptors in Different Loci. Nature Precedings, 2011, , .	0.1	1
43	Understanding Genomic Evolution of Olfactory Receptors through Fractal and Mathematical Morphology. Nature Precedings, 2011, , .	0.1	1
44	Relationship ofÂTwo Discrete Dynamical Models: One-Dimensional Cellular Automata andÂIntegral Value Transformations. Advances in Intelligent Systems and Computing, 2022, , 79-93.	0.6	1
45	An attempt to understand Barstar, Barnase and Olfactory receptor protein folding problems using mathematical biological approach. Nature Precedings, 2010, , .	0.1	0
46	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
47	On the asymptotic character of a generalized rational difference equation. Discrete and Continuous Dynamical Systems, 2018, 38, 1707-1718.	0.9	0