

# Mohammad Ali Moni

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,661  
citations

257357

24  
h-index

223716

46  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing different supervised machine learning algorithms for disease prediction. BMC Medical Informatics and Decision Making, 2019, 19, 281.	1.5	716
2	Heart disease prediction using supervised machine learning algorithms: Performance analysis and comparison. Computers in Biology and Medicine, 2021, 136, 104672.	3.9	141
3	Network-based analysis of comorbidities risk during an infection: SARS and HIV case studies. BMC Bioinformatics, 2014, 15, 333.	1.2	93
4	Network-based approach to identify molecular signatures and therapeutic agents in Alzheimer's disease. Computational Biology and Chemistry, 2019, 78, 431-439.	1.1	92
5	Identification of molecular signatures and pathways to identify novel therapeutic targets in Alzheimer's disease: Insights from a systems biomedicine perspective. Genomics, 2020, 112, 1290-1299.	1.3	89
6	comoR: a software for disease comorbidity risk assessment. Journal of Clinical Bioinformatics, 2014, 4, 8.	1.2	81
7	Bioinformatics and machine learning approach identifies potential drug targets and pathways in COVID-19. Briefings in Bioinformatics, 2021, 22, .	3.2	70
8	Bioinformatics and system biology approach to identify the influences of SARS-CoV-2 infections to idiopathic pulmonary fibrosis and chronic obstructive pulmonary disease patients. Briefings in Bioinformatics, 2021, 22, .	3.2	57
9	How to build personalized multi-omics comorbidity profiles. Frontiers in Cell and Developmental Biology, 2015, 3, 28.	1.8	53
10	Integrative transcriptomics analysis of lung epithelial cells and identification of repurposable drug candidates for COVID-19. European Journal of Pharmacology, 2020, 887, 173594.	1.7	52
11	A Network-Based Bioinformatics Approach to Identify Molecular Biomarkers for Type 2 Diabetes that Are Linked to the Progression of Neurological Diseases. International Journal of Environmental Research and Public Health, 2020, 17, 1035.	1.2	52
12	Identification of Prognostic Biomarker Signatures and Candidate Drugs in Colorectal Cancer: Insights from Systems Biology Analysis. Medicina (Lithuania), 2019, 55, 20.	0.8	51
13	Genetic Profiling and Comorbidities of Zika Infection. Journal of Infectious Diseases, 2017, 216, 703-712.	1.9	48
14	Comprehensive Analysis of RNA-Seq Gene Expression Profiling of Brain Transcriptomes Reveals Novel Genes, Regulators, and Pathways in Autism Spectrum Disorder. Brain Sciences, 2020, 10, 747.	1.1	45
15	Machine learning and bioinformatics models to identify gene expression patterns of ovarian cancer associated with disease progression and mortality. Journal of Biomedical Informatics, 2019, 100, 103313.	2.5	44
16	CytoCom: a Cytoscape app to visualize, query and analyse disease comorbidity networks. Bioinformatics, 2015, 31, 969-971.	1.8	42
17	Pathogenetic profiling of COVID-19 and SARS-like viruses. Briefings in Bioinformatics, 2021, 22, 1175-1196.	3.2	42
18	Network regularised Cox regression and multiplex network models to predict disease comorbidities and survival of cancer. Computational Biology and Chemistry, 2015, 59, 15-31.	1.1	37

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19	Genetic effects of welding fumes on the progression of neurodegenerative diseases. <i>NeuroToxicology</i> , 2019, 71, 93-101.	1.4	37
20	Bioinformatics and system biology approach to identify the influences of COVID-19 on cardiovascular and hypertensive comorbidities. <i>Briefings in Bioinformatics</i> , 2021, 22, 1387-1401.	3.2	35
21	Early Detection of Autism by Extracting Features: A Case Study in Bangladesh. , 2019, , .		34
22	Diseasome and comorbidities complexities of SARS-CoV-2 infection with common malignant diseases. <i>Briefings in Bioinformatics</i> , 2021, 22, 1415-1429.	3.2	34
23	Detection of molecular signatures and pathways shared in inflammatory bowel disease and colorectal cancer: A bioinformatics and systems biology approach. <i>Genomics</i> , 2020, 112, 3416-3426.	1.3	31
24	Genetic effects of welding fumes on the development of respiratory system diseases. <i>Computers in Biology and Medicine</i> , 2019, 108, 142-149.	3.9	30
25	Identification of biomarkers and pathways for the SARS-CoV-2 infections that make complexities in pulmonary arterial hypertension patients. <i>Briefings in Bioinformatics</i> , 2021, 22, 1451-1465.	3.2	30
26	Bioinformatics and system biology approaches to identify pathophysiological impact of COVID-19 to the progression and severity of neurological diseases. <i>Computers in Biology and Medicine</i> , 2021, 138, 104859.	3.9	27
27	Discovering Biomarkers and Pathways Shared by Alzheimer's Disease and Ischemic Stroke to Identify Novel Therapeutic Targets. <i>Medicina (Lithuania)</i> , 2019, 55, 191.	0.8	26
28	Machine learning models for classification and identification of significant attributes to detect type 2 diabetes. <i>Health Information Science and Systems</i> , 2022, 10, 2.	3.4	26
29	Computational prediction of protein ubiquitination sites mapping on <i>Arabidopsis thaliana</i> . <i>Computational Biology and Chemistry</i> , 2020, 85, 107238.	1.1	24
30	Bioinformatics and machine learning methodologies to identify the effects of central nervous system disorders on glioblastoma progression. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	24
31	A computational approach to identify blood cell-expressed Parkinson's disease biomarkers that are coordinately expressed in brain tissue. <i>Computers in Biology and Medicine</i> , 2019, 113, 103385.	3.9	23
32	Machine Learning and Bioinformatics Models to Identify Pathways that Mediate Influences of Welding Fumes on Cancer Progression. <i>Scientific Reports</i> , 2020, 10, 2795.	1.6	23
33	Systems Biology and Bioinformatics approach to Identify blood based signatures molecules and drug targets of patient with COVID-19. <i>Informatics in Medicine Unlocked</i> , 2022, 28, 100840.	1.9	22
34	Identification of molecular signatures and pathways common to blood cells and brain tissue of amyotrophic lateral sclerosis patients. <i>Informatics in Medicine Unlocked</i> , 2019, 16, 100193.	1.9	20
35	A system biological approach to investigate the genetic profiling and comorbidities of type 2 diabetes. <i>Gene Reports</i> , 2020, 21, 100830.	0.4	20
36	Network-based identification of genetic factors in ageing, lifestyle and type 2 diabetes that influence to the progression of Alzheimer's disease. <i>Informatics in Medicine Unlocked</i> , 2020, 19, 100309.	1.9	19

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37	In silico molecular docking and ADME/T analysis of Quercetin compound with its evaluation of broad-spectrum therapeutic potential against particular diseases. <i>Informatics in Medicine Unlocked</i> , 2022, 29, 100894.	1.9	19
38	A Framework to Understand the Progression of Cardiovascular Disease for Type 2 Diabetes Mellitus Patients Using a Network Approach. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 596.	1.2	18
39	Machine learning and network-based models to identify genetic risk factors to the progression and survival of colorectal cancer. <i>Computers in Biology and Medicine</i> , 2021, 135, 104539.	3.9	18
40	Development of an in silico multi-epitope vaccine against SARS-COV-2 by prÃ©cised immune-informatics approaches. <i>Informatics in Medicine Unlocked</i> , 2021, 27, 100781.	1.9	16
41	Detection of multiple sclerosis using blood and brain cells transcript profiles: Insights from comprehensive bioinformatics approach. <i>Informatics in Medicine Unlocked</i> , 2019, 16, 100201.	1.9	15
42	Network-based approach to identify key candidate genes and pathways shared by thyroid cancer and chronic kidney disease. <i>Informatics in Medicine Unlocked</i> , 2019, 16, 100240.	1.9	15
43	Network-Based Genetic Profiling Reveals Cellular Pathway Differences Between Follicular Thyroid Carcinoma and Follicular Thyroid Adenoma. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1373.	1.2	15
44	The influence of depression on ovarian cancer: Discovering molecular pathways that identify novel biomarkers and therapeutic targets. <i>Informatics in Medicine Unlocked</i> , 2019, 16, 100207.	1.9	14
45	Network-Based Computational Approach to Identify Delineating Common Cell Pathways Influencing Type 2 Diabetes and Diseases of Bone and Joints. <i>IEEE Access</i> , 2020, 8, 1486-1497.	2.6	14
46	A Robust Approach for Identification of Cancer Biomarkers and Candidate Drugs. <i>Medicina (Lithuania)</i> , 2019, 55, 269.	0.8	13
47	Identification of Common Pathogenetic Processes between Schizophrenia and Diabetes Mellitus by Systems Biology Analysis. <i>Genes</i> , 2021, 12, 237.	1.0	13
48	COVID-19 identification from volumetric chest CT scans using a progressively resized 3D-CNN incorporating segmentation, augmentation, and class-rebalancing. <i>Informatics in Medicine Unlocked</i> , 2021, 26, 100709.	1.9	12
49	Identifying molecular insight of synergistic complexities for SARS-CoV-2 infection with pre-existing type 2 diabetes. <i>Computers in Biology and Medicine</i> , 2021, 136, 104668.	3.9	12
50	Network-based transcriptomic analysis identifies the genetic effect of COVID-19 to chronic kidney disease patients: A bioinformatics approach. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5647-5656.	1.8	12
51	In silico identification and characterization of AGO, DCL and RDR gene families and their associated regulatory elements in sweet orange ( <i>Citrus sinensis</i> L.). <i>PLoS ONE</i> , 2020, 15, e0228233.	1.1	12
52	A Novel Blended State Estimated Adaptive Controller for Voltage and Current Control of Microgrid Against Unknown Noise. <i>IEEE Access</i> , 2019, 7, 161975-161995.	2.6	11
53	Network-based computational approach to identify genetic links between cardiomyopathy and its risk factors. <i>IET Systems Biology</i> , 2020, 14, 75-84.	0.8	11
54	Integrative Systems Biology Approaches to Identify Potential Biomarkers and Pathways of Cervical Cancer. <i>Journal of Personalized Medicine</i> , 2021, 11, 363.	1.1	9

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55	A Network-Based Approach to Identify Molecular Signatures and Comorbidities of Thyroid Cancer. Algorithms for Intelligent Systems, 2020, , 235-246.	0.5	8
56	A network-based systems biology approach for identification of shared Gene signatures between male and female in COVID-19 datasets. Informatics in Medicine Unlocked, 2021, 25, 100702.	1.9	7
57	Network based systems biology approach to identify diseasome and comorbidity associations of Systemic Sclerosis with cancers. Heliyon, 2022, 8, e08892.	1.4	7
58	Drug repositioning and biomarkers in low-grade glioma via bioinformatics approach. Informatics in Medicine Unlocked, 2019, 17, 100250.	1.9	6
59	Identification of molecular signatures and pathways common to blood cells and brain tissue based RNA-Seq datasets of bipolar disorder: Insights from comprehensive bioinformatics approach. Informatics in Medicine Unlocked, 2022, 29, 100881.	1.9	6
60	A bioinformatics approach to decode core genes and molecular pathways shared by breast cancer and endometrial cancer. Informatics in Medicine Unlocked, 2019, 17, 100274.	1.9	5
61	Systems biology and bioinformatics approach to identify gene signatures, pathways and therapeutic targets of Alzheimer's disease. Informatics in Medicine Unlocked, 2020, 21, 100439.	1.9	5
62	rMisbeta: A robust missing value imputation approach in transcriptomics and metabolomics data. Computers in Biology and Medicine, 2021, 138, 104911.	3.9	5
63	Bioinformatics approach to analyze gene expression profile and comorbidities of gastric cancer. , 2020, , .		5
64	Identification of genetic association of Thyroid Cancer with Parkinsons disease, Osteoporosis, chronic heart failure, Chronic kidney disease, Type 1 diabetes and Type 2 diabetes. , 2019, , .		3
65	A systems biology approach to identifying genetic factors affected by aging, lifestyle factors, and type 2 diabetes that influences Parkinson's disease progression. Informatics in Medicine Unlocked, 2020, 21, 100448.	1.9	3
66	SVM Model for Feature Selection to Increase Accuracy and Reduce False Positive Rate in Falls Detection. , 2019, , .		2
67	Identification of Genetic Links of Thyroid Cancer to the Neurodegenerative and Chronic Diseases Progression: Insights from Systems Biology Approach. Algorithms for Intelligent Systems, 2020, , 263-274.	0.5	2
68	Identifying molecular signatures and pathways shared between Alzheimer's and Huntington's disorders: A bioinformatics and systems biology approach. Informatics in Medicine Unlocked, 2022, 30, 100888.	1.9	2
69	Delineating Common Cell Pathways that Influence Type 2 Diabetes and Neurodegenerative Diseases using a Network-based Approach. , 2019, , .		1
70	Network-based quantitative frameworks to identify pleiotropic factors that influence for cardiomyopathy progression. , 2019, , .		1
71	Improved identification of core biomarkers and drug repositioning for ovarian cancer: an integrated bioinformatics approach. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	1.2	1
72	Identification of glycoporphin C as a prognostic marker for human breast cancer using bioinformatic analysis. Network Modeling Analysis in Health Informatics and Bioinformatics, 2022, 11, .	1.2	1

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73	Comorbidity Effects of Mitochondrial Dysfunction to the Progression of Neurological Disorders: Insights from a Systems Biomedicine Perspective. , 2019, , .		0
74	Identifying the function of methylated genes in Alzheimerâ€™s disease to determine epigenetic signatures: a comprehensive bioinformatics analysis. Experimental Results, 2021, 2, .	0.2	0
75	Machine Learning and Bioinformatics Models to Identify Gene Expression Patterns of Glioblastoma Associated with Disease Progression and Mortality. , 2021, , .		0