Nazar M Zaki

List of Publications by Year in descending order

99 papers	**1,727** citations	331538 **21** h-index	360920 **35** g-index
111 all docs	**111** docs citations	**111** times ranked	**2037** citing authors

#	Article	IF	Citations
1	Utilization of social media in floods assessment using data mining techniques. PLoS ONE, 2022, 17, e0267079.	1.1	11
2	Deviation From Model of Normal Aging in Alzheimer's Disease: Application of Deep Learning to Structural MRI Data and Cognitive Tests. IEEE Access, 2022, 10, 53234-53249.	2.6	6
3	Infant birth weight estimation and low birth weight classification in United Arab Emirates using machine learning algorithms. Scientific Reports, 2022, 12, .	1.6	13
4	Airline ticket price and demand prediction: A survey. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 375-391.	2.7	27
5	Intelligent Pneumonia Identification From Chest X-Rays: A Systematic Literature Review. IEEE Access, 2021, 9, 51747-51771.	2.6	30
6	AI applications in robotics, diagnostic image analysis and precision medicine: Current limitations, future trends, guidelines on CAD systems for medicine. Informatics in Medicine Unlocked, 2021, 24, 100596.	1.9	41
7	Identifying Protein Complexes in Protein-Protein Interaction Data Using Graph Convolutional Network. IEEE Access, 2021, 9, 123717-123726.	2.6	9
8	Prediction of COVID-19 severity using laboratory findings on admission: informative values, thresholds, ML model performance. BMJ Open, 2021, 11, e044500.	0.8	35
9	The estimations of the COVID-19 incubation period: A scoping reviews of the literature. Journal of Infection and Public Health, 2021, 14, 638-646.	1.9	64
10	A Systematic Literature Review of Student' Performance Prediction Using Machine Learning Techniques. Education Sciences, 2021, 11, 552.	1.4	85
11	Ai models of age-associated changes in CNS composition identified by MRI. Journal of the Neurological Sciences, 2021, 429, 118303.	0.3	5
12	MRI and cognitive tests-based screening tool for dementia. Journal of the Neurological Sciences, 2021, 429, 118964.	0.3	4
13	Predicting the diagnosis of dementia from MRI data: added value to cognitive tests. , 2021, , .		1
14	Customized Rule-Based Model to Identify At-Risk Students and Propose Rational Remedial Actions. Big Data and Cognitive Computing, 2021, 5, 71.	2.9	11
15	Ethnicity-Specific Features of COVID-19 Among Arabs, Africans, South Asians, East Asians, and Caucasians in the United Arab Emirates. Frontiers in Cellular and Infection Microbiology, 2021, 11, 773141.	1.8	7
16	Association of hypertension, diabetes, stroke, cancer, kidney disease, and high-cholesterol with COVID-19 disease severity and fatality: A systematic review. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2020, 14, 1133-1142.	1.8	174
17	A Layered Blockchain Framework for Healthcare and Genomics. , 2020, , .		3
18	Applying the Inverse Efficiency Score to Visual–Motor Task for Studying Speed-Accuracy Performance While Aging. Frontiers in Aging Neuroscience, 2020, 12, 574401.	1.7	20

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19	Web-based multi-user concurrent job scheduling system on the shared computing resource objects. , 2020, , .		7
20	ProtRet: A Web Server for Retrieving Proteins in a Functional Complex. Advances in Intelligent Systems and Computing, 2020, , 1-7.	0.5	0
21	Blockchains for Secure Digitized Medicine. Journal of Personalized Medicine, 2019, 9, 35.	1.1	49
22	A Review of Computational Methods for Clustering Genes with Similar Biological Functions. Processes, 2019, 7, 550.	1.3	10
23	Methods of Creating Knowledge Graph by Linking Biological Databases. Advances in Intelligent Systems and Computing, 2019, , 52-62.	0.5	1
24	Computational investigation of mechanistic insights of AÎ²42 interactions against extracellular domain of nAChRÎ±7 in Alzheimerâ€™s disease. International Journal of Neuroscience, 2019, 129, 666-680.	0.8	7
25	Biological Knowledge Graph Construction, Search, and Navigation. , 2019, , 107-120.		1
26	Semantic Twitter sentiment analysis based on a fuzzy thesaurus. Soft Computing, 2018, 22, 6011-6024.	2.1	19
27	Link Prediction in Dynamic Social Networks: A Literature Review. , 2018, , .		9
28	Detecting Social Bots on Twitter: A Literature Review. , 2018, , .		55
29	Automatic Detection of Airline Ticket Price and Demand: A review. , 2018, , .		8
30	Improving the Detection of Protein Complexes by Predicting Novel Missing Interactome Links in the Protein-Protein Interaction Network. , 2018, 2018, 5041-5044.		4
31	Applying Big Data Methods to Understanding Human Behavior and Health. Frontiers in Computational Neuroscience, 2018, 12, 84.	1.2	10
32	Exploring the mechanistic insights of Cas scaffolding protein family member 4 with protein tyrosine kinase 2 in Alzheimerâ€™s disease by evaluating protein interactions through molecular docking and dynamic simulations. Neurological Sciences, 2018, 39, 1361-1374.	0.9	9
33	Molecular Docking and Dynamic Simulation of AZD3293 and Solanezumab Effects Against BACE1 to Treat Alzheimer's Disease. Frontiers in Computational Neuroscience, 2018, 12, 34.	1.2	46
34	Computational modeling and biomarker studies of pharmacological treatment of Alzheimer's disease (Review). Molecular Medicine Reports, 2018, 18, 639-655.	1.1	15
35	Genetic underpinnings in Alzheimerâ€™s disease â€“ a review. Reviews in the Neurosciences, 2017, 29, 21-38.	1.4	25
36	An improved hybrid of particle swarm optimization and the gravitational search algorithm to produce a kinetic parameter estimation of aspartate biochemical pathways. BioSystems, 2017, 162, 81-89.	0.9	11

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37	Knowledge graph construction and search for biological databases. , 2017, , .		6
38	BioCarian: search engine for exploratory searches in heterogeneous biological databases. BMC Bioinformatics, 2017, 18, 435.	1.2	14
39	Saffron-Based Crocin Prevents Early Lesions of Liver Cancer: In vivo, In vitro and Network Analyses. Recent Patents on Anti-Cancer Drug Discovery, 2016, 11, 121-133.	0.8	70
40	The use of data mining techniques to predict mortality and length of stay in an ICU. , 2016, , .		5
41	The use of data mining techniques to predict the ranking of E-government services. , 2016, , .		4
42	Predicting the decision for the provision of municipal services using data mining approaches. , 2016, , .		0
43	Prediction of the closing price in the Dubai financial market: A data mining approach. , 2016, , .		1
44	Identification of informative genes and pathways using an improved penalized support vector machine with a weighting scheme. Computers in Biology and Medicine, 2016, 77, 102-115.	3.9	23
45	Using Custom Fuzzy Thesaurus to Incorporate Semantic and Reduce Data Sparsity for Twitter Sentiment Analysis. , 2016, , .		3
46	Epigenetically driven network cooperativity: meta-analysis in multi-drug resistant osteosarcoma. Journal of Complex Networks, 2016, 4, 296-317.	1.1	5
47	PageRank Algorithm to Improve the Peer-Led Team Learning Pedagogical Approach. Smart Innovation, Systems and Technologies, 2016, , 225-234.	0.5	0
48	Abstract 5249: Crocin prevents early lesions of liver cancer:system biology approach. , 2016, , .		1
49	Characterization of Protein Complexes and Subcomplexes in Protein-Protein Interaction Databases. Biochemistry Research International, 2015, 2015, 1-12.	1.5	1
50	Gene-disease association through topological and biological feature integration. , 2015, , .		0
51	Inter-domain linker prediction using amino acid compositional index. Computational Biology and Chemistry, 2015, 55, 23-30.	1.1	6
52	Novel domain identification approach for protein-protein interaction prediction. , 2015, , .		2
53	Detecting protein complexes using gene expression biclusters. , 2015, , .		0
54	Randomized Subspace Learning for Proline Cis-Trans Isomerization Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 763-769.	1.9	4

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55	Detecting Protein Complexes in Protein Interaction Networks Modeled as Gene Expression Biclusters. PLoS ONE, 2015, 10, e0144163.	1.1	30
56	Time-course gene profiling and networks in demethylated retinoblastoma cell line. Oncotarget, 2015, 6, 23688-23707.	0.8	6
57	Insights into glycan biosynthesis in chemically-induced hepatocellular carcinoma in rats: A glycomic analysis. World Journal of Gastroenterology, 2015, 21, 6167.	1.4	13
58	Ant Colony Optimization Algorithm for Interpretable Bayesian Classifiers Combination: Application to Medical Predictions. PLoS ONE, 2014, 9, e86456.	1.1	16
59	Separate and Combined Effects of DNMT and HDAC Inhibitors in Treating Human Multi-Drug Resistant Osteosarcoma HosDXR150 Cell Line. PLoS ONE, 2014, 9, e95596.	1.1	40
60	Ensemble inference by integrative cancer networks. Frontiers in Genetics, 2014, 5, 59.	1.1	8
61	Detecting protein complexes in protein interaction networks using a ranking algorithm with a refined merging procedure. BMC Bioinformatics, 2014, 15, 204.	1.2	37
62	Protein inter-domain linker prediction using Random Forest and amino acid physiochemical properties. BMC Bioinformatics, 2014, 15, S8.	1.2	9
63	Characterization of Nested Complexes in Protein Interaction Networks. , 2014, , .		0
64	A comparative analysis of computational approaches and algorithms for protein subcomplex identification. Scientific Reports, 2014, 4, 4262.	1.6	27
65	Protein complex detection using interaction reliability assessment and weighted clustering coefficient. BMC Bioinformatics, 2013, 14, 163.	1.2	150
66	Modeling and simulation of epidemic spread: Recent advances. , 2013, , .		4
67	Protein-protein Interaction Prediction using Arabic semantic analysis. , 2013, , .		0
68	Prediction of inter-domain linker regions in protein sequences: A survey. , 2013, , .		2
69	Emo-bin: How to recycle more by using emoticons. , 2013, , .		5
70	Gamification of a recycle bin with emoticons. , 2013, , .		24
71	Prediction of protein inter-domain linkers using compositional index and simulated annealing. , 2013, , .		5
72	ProRank. , 2012, , .		25

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73	Detecting protein complexes from noisy protein interaction data. , 2012, , .		5
74	Detection of protein complexes using a protein ranking algorithm. Proteins: Structure, Function and Bioinformatics, 2012, 80, 2459-2468.	1.5	47
75	A New Algorithm For Cell Tracking Technique. Advanced Computing an International Journal, 2011, 2, 13-20.	1.5	2
76	A Novel Image Segmentation Enhancement Technique Based on Active Contour and Topological Alignments. Advanced Computing an International Journal, 2011, 2, 1-7.	1.5	3
77	The Effects on Cells Mobility Due to Exposure to EMF Radiation. Advanced Computing an International Journal, 2011, 2, 1-7.	1.5	5
78	A Combination of Compositional Index and Genetic Algorithm for Predicting Transmembrane Helical Segments. PLoS ONE, 2011, 6, e21821.	1.1	15
79	Conotoxin protein classification using free scores of words and support vector machines. BMC Bioinformatics, 2011, 12, 217.	1.2	21
80	A genetic algorithm to enhance transmembrane helices prediction. , 2011, , .		5
81	Conotoxin protein classification using pairwise comparison and amino acid composition. , 2011, , .		4
82	Features Extraction Using Free Score of Words for Classifying Conotoxin Superfamily. , 2011, , .		0
83	Intelligent techniques for image segmentation in cell tracking and mobility analysis. , 2011, , .		0
84	Masses Detection in Digital Mammogram by Gray Level Reduction using Texture coding Method. International Journal of Computer Applications, 2011, 29, 19-23.	0.2	1
85	Detection of Masses in Digital Mammogram Using Second Order Statistics and Artificial Neural Network. International Journal of Computer Science and Information Technology, 2011, 3, 176-186.	0.3	21
86	Research Review for Digital Image Segmentation Techniques. International Journal of Computer Science and Information Technology, 2011, 3, 99-106.	0.3	43
87	STRIKE: A Protein–Protein Interaction Classification Approach. Advances in Experimental Medicine and Biology, 2011, 696, 263-270.	0.8	1
88	Parallel protein sequence matching on multicore computers. , 2010, , .		1
89	Protein-protein interaction based on pairwise similarity. BMC Bioinformatics, 2009, 10, 150.	1.2	47
90	Protein-Protein Interaction Prediction Using Homology and Inter-domain Linker Region Information. Lecture Notes in Electrical Engineering, 2009, , 635-645.	0.3	11

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91	On Detecting Port Scanning using Fuzzy Based Intrusion Detection System. , 2008, , .		23
92	Research review on the biological effect of cell phone radiation on human. , 2008, , .		13
93	SubSS: A Protein-Protein Interaction Detection Tool. , 2007, , .		0
94	Breast Cancer Detection Based on Statistical Textural Features Classification. , 2007, , .		14
95	Development of a Web-base Application to Detect Palindromes in DNA Sequence. , 2007, , .		0
96	Detecting Remote Protein Evolutionary and Structural Relationships via String Scoring Method. , 2006, , .		1
97	Application of String Kernels in Protein Sequence Classification. Applied Bioinformatics, 2005, 4, 45-52.	1.7	22
98	Representing Protein Sequence with Low Number of Dimensions. Journal of Biological Sciences, 2005, 5, 795-800.	0.1	2
99	FEATURES EXTRACTION FOR PROTEIN HOMOLOGY DETECTION USING HIDDEN MARKOV MODELS COMBINING SCORES. International Journal of Computational Intelligence and Applications, 2004, 04, 1-12.	0.6	11