Ali Najafi

List of Publications by Year
in descending order

71 papers	1,219 citations	331670 21 h-index	434195 31 g-index
74 all docs	74 docs citations	74 times ranked	2073 citing authors

#	Article	IF	Citations
1	Gene selection for microarray data classification using a novel ant colony optimization. Neurocomputing, 2015, 168, 1024-1036.	5.9	120
2	Natural antisense RNAs as mRNA regulatory elements in bacteria: a review on function and applications. Cellular and Molecular Biology Letters, 2016, 21, 6.	7.0	67
3	Utilization of highly robust and selective crosslinked polymeric ionic liquid-based sorbent coatings in direct-immersion solid-phase microextraction and high-performance liquid chromatography for determining polar organic pollutants in waters. Talanta, 2016, 158, 125-133.	5.5	60
4	Tuning the Selectivity of Ionic Liquid Stationary Phases for Enhanced Separation of Nonpolar Analytes in Kerosene Using Multidimensional Gas Chromatography. Analytical Chemistry, 2014, 86, 3717-3721.	6.5	48
5	Immunoinformatic design of a COVID-19 subunit vaccine using entire structural immunogenic epitopes of SARS-CoV-2. Scientific Reports, 2020, 10, 20864.	3.3	44
6	Identification of direct target genes of miR-7, miR-9, miR-96, and miR-182 in the human breast cancer cell lines MCF-7 and MDA-MB-231. Molecular and Cellular Probes, 2017, 34, 45-52.	2.1	41
7	DNA Microarray for Rapid Detection and Identification of Food and Water Borne Bacteria: From Dry to Wet Lab. Open Microbiology Journal, 2017, 11, 330-338.	0.7	39
8	Genome Scale Modeling in Systems Biology: Algorithms and Resources. Current Genomics, 2014, 15, 130-159.	1.6	37
9	Computational approach to analyze isolated ssDNA aptamers against angiotensin II. Journal of Biotechnology, 2016, 230, 34-39.	3.8	36
10	The effect of theophylline on acetic acid induced ulcerative colitis in rats. Biomedicine and Pharmacotherapy, 2017, 90, 153-159.	5.6	35
11	Identification of biomarkers in common chronic lung diseases by co-expression networks and drug-target interactions analysis. Molecular Medicine, 2020, 26, 9.	4.4	34
12	mRNA–miRNA bipartite network reconstruction to predict prognostic module biomarkers in colorectal cancer stage differentiation. Molecular BioSystems, 2017, 13, 2168-2180.	2.9	33
13	Molecular epidemiology of hepatitis C virus among injection drug users in Iran: a slight change in prevalence of HCV genotypes over time. Archives of Virology, 2012, 157, 1959-1965.	2.1	32
14	Cancer systems biology and modeling: Microscopic scale and multiscale approaches. Seminars in Cancer Biology, 2015, 30, 60-69.	9.6	31
15	Microarray long oligo probe designing for Escherichia coli: an in-silico DNA marker extraction. Central European Journal of Urology, 2016, 69, 105-11.	0.3	29
16	Bacterial CRISPR Regions: General Features and their Potential for Epidemiological Molecular Typing Studies. Open Microbiology Journal, 2018, 12, 59-70.	0.7	28
17	GelClust: A software tool for gel electrophoresis images analysis and dendrogram generation. Computer Methods and Programs in Biomedicine, 2013, 111, 512-518.	4.7	27
18	LncRNA and mRNA integration network reconstruction reveals novel key regulators in esophageal squamous-cell carcinoma. Genomics, 2019, 111, 76-89.	2.9	26

#	ARTICLE	IF	CITATIONS
19	A contemporary review on the important role of in silico approaches for managing different aspects of COVID-19 crisis. Informatics in Medicine Unlocked, 2022, 28, 100862.	3.4	26
20	Survival analysis and functional annotation of long nonâ€coding RNAs in lung adenocarcinoma. Journal of Cellular and Molecular Medicine, 2019, 23, 5600-5617.	3.6	25
21	Altered expression of apoptotic genes in response to OCT4B1 suppression in human tumor cell lines. Tumor Biology, 2014, 35, 9999-10009.	1.8	23
22	Molecular characterisation of quinolone-resistant Shigella strains isolated in Tehran, Iran. Journal of Global Antimicrobial Resistance, 2016, 5, 26-30.	2.2	23
23	Classification and Biomarker Genes Selection for Cancer Gene Expression Data Using Random Forest. Iranian Journal of Pathology, 2017, 12, 339-347.	0.5	21
24	Microarray gene expression analysis of the human airway in patients exposed to sulfur mustard. Journal of Receptor and Signal Transduction Research, 2014, 34, 283-289.	2.5	19
25	Evidence for embryonic stem-like signature and epithelial-mesenchymal transition features in the spheroid cells derived from lung adenocarcinoma. Tumor Biology, 2016, 37, 11843-11859.	1.8	19
26	miRNAâ€"mRNA network involved in folliculogenesis interactome: systems biology approach. Reproduction, 2017, 154, 51-65.	2.6	18
27	Development of an epitope-based vaccine inhibiting immune cells rolling and migration against atherosclerosis using in silico approaches. Computational Biology and Chemistry, 2017, 70, 156-163.	2.3	18
28	MicroRNA expression in serum samples of sulfur mustard veterans as a diagnostic gateway to improve care. PLoS ONE, 2018, 13, e0194530.	2.5	18
29	Simultaneous Detection of Mycoplasma pneumoniae, Mycoplasma hominis and Mycoplasma arthritidis in Synovial Fluid of Patients with Rheumatoid Arthritis by Multiplex PCR. Archives of Iranian Medicine, 2015, 18, 345-50.	0.6	15
30	Use of TaqManÂ® real-time PCR for rapid detection of Salmonella enterica serovar Typhi. Acta Microbiologica Et Immunologica Hungarica, 2014, 61, 121-130.	0.8	13
31	Association of In-hospital Use of Statins, Aspirin, and Renin-Angiotensin-Aldosterone Inhibitors with Mortality and ICU Admission Due to COVID-19. Advances in Experimental Medicine and Biology, 2021, 1327, 205-214.	1.6	13
32	Comparative gene-expression profiling of CD133$^+$ and CD133$^-$ D10 melanoma cells. Future Oncology, 2015, 11, 2383-2393.	2.4	11
33	Identification and characterization of a cathepsin L-like cysteine protease from Rhipicephalus (Boophilus) annulatus. Experimental and Applied Acarology, 2016, 68, 251-265.	1.6	11
34	Immunoproteomics approach for EPC1 antigenic epitope prediction of G1 and G6 strains of Echinococcus granulosus. Parasitology Research, 2013, 112, 3129-3135.	1.6	10
35	Detection of Critical Genes Associated with Overall Survival (OS) and Progression-Free Survival (PFS) in Reconstructed Canine B-Cell Lymphoma Gene Regulatory Network (GRN). Cancer Investigation, 2016, 34, 70-79.	1.3	10
36	Inducing Apoptosis and Decreasing Cell Proliferation in Human Acute Promyelocytic Leukemia Through Regulation Expression of CASP3 by Let-7a-5p Blockage. Indian Journal of Hematology and Blood Transfusion, 2018, 34, 70-77.	0.6	10

#	Article	IF	Citations
37	Development of Multiplex PCR for Simultaneous Detection of Three Pathogenic Shigella Species. Iranian Journal of Public Health, 2014, 43, 1657-63.	0.5	10
38	Simultaneous Molecular Detection of Serovars Typhi, Enteritidis, Infantis, and Typhimurium. Iranian Journal of Public Health, 2017, 46, 103-111.	0.5	10
39	Pathway Reconstruction of Airway Remodeling in Chronic Lung Diseases: A Systems Biology Approach. PLoS ONE, 2014, 9, e100094.	2.5	9
40	Inducing cell proliferative prevention in human acute promyelocytic leukemia by miR-182 inhibition through modulation of CASP9 expression. Biomedicine and Pharmacotherapy, 2017, 89, 1152-1158.	5.6	9
41	A systems biology approach for miRNA-mRNA expression patterns analysis in non-small cell lung cancer. Cancer Biomarkers, 2016, 16, 31-45.	1.7	8
42	Understanding the resistance mechanism of penicillin binding protein 1a mutant against cefotaxime using molecular dynamic simulation. Journal of Biomolecular Structure and Dynamics, 2019, 37, 741-749.	3.5	8
43	Use of a novel initiator for synthesis of amino-end functionalized polystyrene (NH2-PS) by atom transfer radical polymerization. Journal of Polymer Research, 2012, 19, 1.	2.4	7
44	The effect of sodium valproate on acetic acid-induced colitis in rats. Inflammopharmacology, 2017, 25, 137-145.	3.9	7
45	Design and construction of a new recombinant fusion protein (2b2t+<scp>EPC</scp>1) and its assessment for serodiagnosis of cystic echinococcosis. Apmis, 2018, 126, 428-439.	2.0	7
46	Identification of novel bacterial DNA gyrase inhibitors: An in silico study. Research in Pharmaceutical Sciences, 2016, 11, 250-8.	1.8	7
47	Molecular cancer classification method on microarrays gene expression data using hybrid deep neural network and grey wolf algorithm. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5297-5307.	4.9	6
48	Exposure to Cyberbullying, Cybervictimization, and Related Factors Among Junior High School Students. Iranian Journal of Psychiatry and Behavioral Sciences, 2020, 14, .	0.4	6
49	In Silico Analysis of Inhibiting Papain-like Protease from SARS-CoV-2 by Using Plant-Derived Peptides. International Journal of Peptide Research and Therapeutics, 2022, 28, 24.	1.9	6
50	Systems biology study of transcriptional and post-transcriptional co-regulatory network sheds light on key regulators involved in important biological processes in Citrus sinensis. Physiology and Molecular Biology of Plants, 2017, 23, 331-342.	3.1	5
51	A systematic approach introduced novel targets in rectal cancer by considering miRNA/mRNA interactions in response to radiotherapy. Cancer Biomarkers, 2022, 33, 97-110.	1.7	5
52	Microarray-based long oligonucleotides probe designed for Brucella Spp. detection and identification of antibiotic susceptibility pattern. Electronic Physician, 2016, 8, 2296-2302.	0.2	5
53	Trefoil Factor Family 1 Is Involved in Airway Remodeling of Mustard Lung. Iranian Journal of Allergy, Asthma and Immunology, 2016, 15, 275-282.	0.4	5
54	Dynamic modeling of folliculogenesis signaling pathways in the presence of miRNAs expression. Journal of Ovarian Research, 2017, 10, 76.	3.0	4

#	ARTICLE	IF	CITATIONS
55	Molecular dynamics simulation (MDS) analysis of Vibrio cholerae ToxT virulence factor complexed with docked potential inhibitors. Bioinformation, 2018, 14, 101-105.	0.5	4
56	Bullying and Victimization among Students Bears Relationship with Gender and Emotional and Behavioral Problems. Iranian Journal of Psychiatry, 0, , .	0.7	4
57	Effect of salbutamol against the experimental acute colitis in rat model. Comparative Clinical Pathology, 2017, 26, 591-598.	0.7	3
58	Influence of the T to S mutation at the STMK motif on antibiotic resistance of penicillin binding protein 1A: A comprehensive computational study. Journal of Molecular Graphics and Modelling, 2019, 87, 185-191.	2.4	3
59	Evaluation of molecular apoptosis signaling pathways and its correlation with EBV viral load in SLE patients using systems biology approach. Human Antibodies, 2022, 30, 37-46.	1.5	2
60	Airway remodeling: Systems biology approach, from bench to bedside. Technology and Health Care, 2016, 24, 811-819.	1.2	1
61	Efficacy of ARACNE algorithm for inferring canine B-cell lymphoma gene regulatory network (GRN). Comparative Clinical Pathology, 2017, 26, 121-125.	0.7	1
62	Structural and functional evaluation of recombinant histidine phosphokinase NisK and response regulator NisR: in silico and experimental approach. World Journal of Microbiology and Biotechnology, 2019, 35, 169.	3.6	1
63	Analysis of the epigenetic regulation of TNF receptor superfamily 25 (TNFRSF25) in rheumatoid arthritis. Gene Reports, 2019, 16, 100424.	0.8	1
64	Candidate Molecular Biomarkers for the Non- Invasive Detection of Colorectal Cancer using Gene Expression Profiling. Iranian Journal of Pathology, 2021, 16, 203-212.	0.5	1
65	DEA-based Performance Evaluation of Libraries: A Systematic Mapping study. Investigacion Bibliotecologica, 2020, 34, 227.	0.2	1
66	Comparative study of specific inhibition of bcr-abl gene expression by chemically small interfering RNA and vector expression SiRNA. Toxicology Letters, 2008, 180, S245-S246.	0.8	0
67	Microscopic Scale of Cancer Systems Biology. SpringerBriefs in Systems Biology, 2015, , .	0.3	0
68	PSSP: Protein splice site prediction algorithm using Bayesian approach. Journal of Bioinformatics and Computational Biology, 2019, 17, 1950034.	0.8	0
69	Formalisms for Molecular Modeling and Simulation. SpringerBriefs in Systems Biology, 2015, , 1-39.	0.3	0
70	Diagnostic Challenges in the Early Onset of Inflammatory Bowel Disease: A Case Report. International Journal of Molecular and Cellular Medicine, 2018, 7, 251-257.	1.1	0
71	Real Clinical Practice and Therapeutic Management Following COVID-19 Crisis in two Hospitals in Iran: A Statistical and Conceptual View. Tanaffos, 2020, 19, 112-121.	0.5	0