Navid Nezafat

List of Publications by Year
in descending order

102 papers	2,281 citations	257450 24 h-index	254184 43 g-index
104 all docs	104 docs citations	104 times ranked	2390 citing authors

#	Article	IF	Citations
1	Evaluation of Different Signal Peptides for Secretory Production of Recombinant Human Interferon-gamma: Bioinformatics Approach. Letters in Drug Design and Discovery, 2023, 20, 181-191.	0.7	0
2	Proteome Exploration of Human Coronaviruses for Identifying Novel Vaccine Candidate: A Hierarchical Subtractive Genomics and Reverse Vaccinology Approach. Recent Patents on Biotechnology, 2023, 17, 163-175.	0.8	1
3	The potential of intrinsically disordered regions in vaccine development. Expert Review of Vaccines, 2022, 21, 1-3.	4.4	4
4	Identification of intrinsically disordered regions in hub genes of acute myeloid leukemia: A bioinformatics approach. Biotechnology and Applied Biochemistry, 2022, 69, 2304-2322.	3.1	2
5	Different strategies for expression and purification of the CT26-poly-neoepitopes vaccine in Escherichia coli. Molecular Biology Reports, 2022, 49, 859-873.	2.3	1
6	Identification of potential biomarkers in hepatocellular carcinoma: A network-based approach. Informatics in Medicine Unlocked, 2022, 28, 100864.	3.4	4
7	Telmisartan anti€cancer activities mechanism through targeting N€cadherin by mimicking ADH€1 function. Journal of Cellular and Molecular Medicine, 2022, , .	3.6	6
8	In-silico selection of the signal peptides for high-level secretory expression of aflibercept in CHO cells. Minerva Biotechnology and Biomolecular Research, 2022, 34, .	0.5	0
9	B-Cell Epitope Mapping from Eight Antigens of Candida albicans to Design a Novel Diagnostic Kit: An Immunoinformatics Approach. International Journal of Peptide Research and Therapeutics, 2022, 28, .	1.9	1
10	A structural vaccinology approach for in silico designing of a potential self-assembled nanovaccine against Leishmania infantum. Experimental Parasitology, 2022, 239, 108295.	1.2	3
11	Efficacy of co-immunization with the DNA and peptide vaccines containing SYCP1 and ACRBP epitopes in a murine triple-negative breast cancer model. Human Vaccines and Immunotherapeutics, 2021, 17, 22-34.	3.3	24
12	Small extracellular vesicles (sEVs): discovery, functions, applications, detection methods and various engineered forms. Expert Opinion on Biological Therapy, 2021, 21, 371-394.	3.1	20
13	Computational analysis of phylogenetic, functional and structural features of Bacillus hyaluronate lyases. Biologia (Poland), 2021, 76, 381-393.	1.5	1
14	Designing an HCV diagnostic kit for common genotypes of the virus in Iran based on conserved regions of core, NS3-protease, NS4A/B, and NS5A/B antigens: an in silico approach. Biologia (Poland), 2021, 76, 281-296.	1.5	4
15	Therapeutic Approaches for COVID-19 Based on the Interferon-Mediated Immune Responses. Current Signal Transduction Therapy, 2021, 16, 269-279.	0.5	22
16	A systems pharmacology approach to identify the autophagy-inducing effects of Traditional Persian medicinal plants. Scientific Reports, 2021, 11, 336.	3.3	7
17	Iron nanoparticles as novel vaccine adjuvants. European Journal of Pharmaceutical Sciences, 2021, 159, 105718.	4.0	23
18	Identification of homozygous mutations for hearing loss. Gene, 2021, 778, 145464.	2.2	2

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19	An Overview of Aptamer: The Prominent Applications and Different Computational Tools for its Design. Current Pharmaceutical Biotechnology, 2021, 22, 1273-1286.	1.6	2
20	Designing a Novel Multi-Epitope Vaccine Against Htlv-1 Related Adult T-cell Leukemia/Lymphoma: An In Silico Approach. Current Proteomics, 2021, 18, 310-325.	0.3	0
21	Computational Elucidation of Phylogenetic, Functional and Structural Features of Methioninase from Pseudomonas, Escherichia, Clostridium and Citrobacter Strains. Recent Patents on Biotechnology, 2021, 15, 286-301.	0.8	1
22	Designing a therapeutic and prophylactic candidate vaccine against human papillomavirus through vaccinomics approaches. Infection, Genetics and Evolution, 2021, 95, 105084.	2.3	9
23	Experimental Analysis of E2BB (LTIIb) Signal Peptide in Secretory Production of Reteplase in Escherichia coli. International Journal of Peptide Research and Therapeutics, 2021, 27, 209-218.	1.9	1
24	Design of a multi-epitope protein vaccine against herpes simplex virus, human papillomavirus and Chlamydia trachomatis as the main causes of sexually transmitted diseases. Infection, Genetics and Evolution, 2021, 96, 105136.	2.3	5
25	Hotspots for mutations in the SARS-CoV-2 spike glycoprotein: a correspondence analysis. Scientific Reports, 2021, 11, 23622.	3.3	9
26	In Silico Designing a Candidate Vaccine Against Breast Cancer. International Journal of Peptide Research and Therapeutics, 2020, 26, 369-380.	1.9	14
27	Multifaceted toxin profile of Bacillus probiotic in newly isolated Bacillus spp. from soil rhizosphere. Biologia (Poland), 2020, 75, 309-315.	1.5	8
28	Pierce into the Native Structure of Ata, a Trimeric Autotransporter of Acinetobacter baumannii ATCC 17978. International Journal of Peptide Research and Therapeutics, 2020, 26, 1269-1282.	1.9	8
29	In silico analysis of codon usage and rare codon clusters in the halophilic bacteria L-asparaginase. Biologia (Poland), 2020, 75, 151-160.	1.5	5
30	Experimental Evaluation of In Silico Selected Signal Peptides for Secretory Expression of Erwinia Asparaginase in Escherichia coli. International Journal of Peptide Research and Therapeutics, 2020, 26, 1583-1591.	1.9	4
31	A new multi-epitope peptide vaccine induces immune responses and protection against Leishmania infantum in BALB/c mice. Medical Microbiology and Immunology, 2020, 209, 69-79.	4.8	26
32	In Silico Design of Epitope-Based Allergy Vaccine Against Bellatella germanica Cockroach Allergens. International Journal of Peptide Research and Therapeutics, 2020, 26, 1739-1749.	1.9	4
33	Surveying FDA-approved drugs as new potential inhibitors of N-cadherin protein: a virtual screening approach. Structural Chemistry, 2020, 31, 2355-2369.	2.0	2
34	Non-adaptive Evolution of Trimeric Autotransporters in Brucellaceae. Frontiers in Microbiology, 2020, 11, 560667.	3.5	3
35	In Silico Elucidation of Deleterious Non-synonymous SNPs in SHANK3, the Autism Spectrum Disorder Gene. Journal of Molecular Neuroscience, 2020, 70, 1649-1667.	2.3	7
36	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. Current Pharmaceutical Biotechnology, 2020, 21, 316-324.	1.6	10

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37	Production and immunological evaluation of epitope-based preventative pneumococcal candidate vaccine comprising immunodominant epitopes from PspA, CbpA, PhtD and PiuA antigens. Current Pharmaceutical Biotechnology, 2020, 22, 1900-1909.	1.6	2
38	Computational Analysis of Arginine Deiminase Sequences to Provide a Guideline for Protein Engineering. Current Proteomics, 2020, 17, 132-146.	0.3	3
39	Cell Penetrating Peptide: Sequence-Based Computational Prediction for Intercellular Delivery of Arginine Deiminase. Current Proteomics, 2020, 17, 117-131.	0.3	10
40	Multi-Epitope Vaccines (MEVs), as a Novel Strategy Against Infectious Diseases. Current Proteomics, 2020, 17, 354-364.	0.3	19
41	<i>In Silico</i> Study of 1, 4 Alpha Glucan Branching Enzyme and Substrate Docking Studies. Current Proteomics, 2020, 17, 40-50.	0.3	0
42	<i>In silico</i> Evaluation of Substrate Binding Site and Rare Codons in the Structure of CYP152A1. Current Proteomics, 2020, 17, 10-22.	0.3	0
43	Phage Display as A Bio-Technique for Cancer Immunotherapy. Letters in Drug Design and Discovery, 2020, 17, 379-387.	0.7	0
44	In Silico Design of a Novel Multi-Epitope Peptide Vaccine Against Hepatocellular Carcinoma. Letters in Drug Design and Discovery, 2020, 17, 1164-1176.	0.7	1
45	Exploring dengue proteome to design an effective epitope-based vaccine against dengue virus. Journal of Biomolecular Structure and Dynamics, 2019, 37, 2546-2563.	3.5	27
46	Designing a Fusion Protein Vaccine Against HCV: An In Silico Approach. International Journal of Peptide Research and Therapeutics, 2019, 25, 861-872.	1.9	22
47	Designing a Novel Multi-epitope Peptide Vaccine Against Pathogenic Shigella spp. Based Immunoinformatics Approaches. International Journal of Peptide Research and Therapeutics, 2019, 25, 541-553.	1.9	17
48	Selected application of peptide molecules as pharmaceutical agents and in cosmeceuticals. Expert Opinion on Biological Therapy, 2019, 19, 1275-1287.	3.1	15
49	Decreasing the immunogenicity of Erwinia chrysanthemi asparaginase via protein engineering: computational approach. Molecular Biology Reports, 2019, 46, 4751-4761.	2.3	6
50	Designing self-assembled peptide nanovaccine against Streptococcus pneumoniae: An in silico strategy. Molecular and Cellular Probes, 2019, 48, 101446.	2.1	15
51	Computational approach to suggest a new multi-target-directed ligand as a potential medication for Alzheimer's disease. Journal of Biomolecular Structure and Dynamics, 2019, 37, 4825-4839.	3.5	15
52	Computational design of a chimeric epitope-based vaccine to protect against Staphylococcus aureus infections. Molecular and Cellular Probes, 2019, 46, 101414.	2.1	28
53	In silico prediction of B-cell epitopes for twenty-five mite allergens: The therapeutic potentials for immunotherapy. Molecular and Cellular Probes, 2019, 46, 101408.	2.1	4
54	Trimeric autotransporter adhesins in Acinetobacter baumannii, coincidental evolution at work. Infection, Genetics and Evolution, 2019, 71, 116-127.	2.3	24

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55	Evaluating the effect of BDNF Val66Met polymorphism on complex formation with HAP1 and Sortilin1 via structural modeling. Computational Biology and Chemistry, 2019, 78, 282-289.	2.3	7
56	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3524-3535.	3.5	84
57	Decreasing the immunogenicity of arginine deiminase enzyme via structure€based computational analysis. Journal of Biomolecular Structure and Dynamics, 2019, 37, 523-536.	3.5	30
58	Deep analysis of N-cadherin/ADH-1 interaction: a computational survey. Journal of Biomolecular Structure and Dynamics, 2019, 37, 210-228.	3.5	11
59	A New Approach for Cancer Immunotherapy Based on the Cancer Stem Cell Antigens Properties. Current Molecular Medicine, 2019, 19, 2-11.	1.3	8
60	Arginine Deiminase: Current Understanding and Applications. Recent Patents on Biotechnology, 2019, 13, 124-136.	0.8	15
61	In silico Analysis of Different Signal Peptides for Secretory Production of Arginine Deiminase in Escherichia coli. Recent Patents on Biotechnology, 2019, 13, 217-227.	0.8	11
62	In SilicoDesigning a Novel Multi-epitope DNA Vaccine against Anti-apoptotic Proteins in Tumor Cells. Current Proteomics, 2019, 16, 222-230.	0.3	0
63	In silico Defining the Repeat-containing Proteins in the Acinetobacter baumannii Proteome, a Great Reservoir of Templates for Synthetic Biology. Current Chemical Biology, 2019, 13, 149-158.	0.5	0
64	Proteome-scale identification of Leishmania infantum for novel vaccine candidates: A hierarchical subtractive approach. Computational Biology and Chemistry, 2018, 72, 16-25.	2.3	18
65	Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. Infection, Genetics and Evolution, 2018, 58, 96-109.	2.3	88
66	Immunoinformatics-aided design of a potential multi-epitope peptide vaccine against Leishmania infantum. International Journal of Biological Macromolecules, 2018, 120, 1127-1139.	7.5	63
67	A comprehensive review of signal peptides: Structure, roles, and applications. European Journal of Cell Biology, 2018, 97, 422-441.	3.6	240
68	Medium Optimization for Recombinant Soluble Arginine Deiminase Expression in Escherichia coli Using Response Surface Methodology. Current Pharmaceutical Biotechnology, 2018, 18, 935-941.	1.6	12
69	Staphylokinase Enzyme: An Overview of Structure, Function and Engineered Forms. Current Pharmaceutical Biotechnology, 2018, 18, 1026-1037.	1.6	9
70	Extracellular Production of a Potent and Chemically Resistant Nattokinase in Immobilized Escherichia coli Using Response Surface Methodology. Current Pharmaceutical Biotechnology, 2018, 19, 856-868.	1.6	7
71	Neuroprotective Effects of Heat Shock Protein70. CNS and Neurological Disorders - Drug Targets, 2018, 17, 736-742.	1.4	15
72	Designing an efficient multi-epitope oral vaccine against Helicobacter pylori using immunoinformatics and structural vaccinology approaches. Molecular BioSystems, 2017, 13, 699-713.	2.9	86

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73	Harnessing self-assembled peptide nanoparticles in epitope vaccine design. Biotechnology Advances, 2017, 35, 575-596.	11.7	97
74	Immunoinformatics analysis and in silico designing of a novel multi-epitope peptide vaccine against Staphylococcus aureus. Infection, Genetics and Evolution, 2017, 48, 83-94.	2.3	149
75	A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. Infection, Genetics and Evolution, 2017, 54, 402-416.	2.3	54
76	Investigating CRISPR-Cas systems in Clostridium botulinum via bioinformatics tools. Infection, Genetics and Evolution, 2017, 54, 355-373.	2.3	33
77	In Silico Study of Different Signal Peptides for Secretory Production of Interleukin-11 in Escherichia coli. Current Proteomics, 2017, 14, 112-121.	0.3	30
78	*In silico* Investigation of Pullulanase Enzymes from Various *Bacillus* Species. Current Proteomics, 2017, 14, .	0.3	13
79	In silico Analysis of Several Signal Peptides for the Excretory Production of Reteplase in Escherichia coli. Current Proteomics, 2017, 14, .	0.3	13
80	Effect of Fibrin Packing on Managing Hepatic Hemorrhage and Liver Wound Healing in a Model of Liver Stab Wound in Rat. Bulletin of Emergency and Trauma, 2017, 5, 18-23.	0.0	4
81	Expression and purification of a novel multi-epitope peptide vaccine for breast cancer immunotherapy. Minerva Biotechnology and Biomolecular Research, 2016, 29, .	0.5	0
82	Studying the features of 57 confirmed CRISPR loci in 29 strains of *Escherichia coli*. Journal of Basic Microbiology, 2016, 56, 645-653.	3.3	18
83	Role of Bacillus Genus in the Production of Value-Added Compounds. , 2016, , 1-33.		1
84	Identification of Bacillus Probiotics Isolated from Soil Rhizosphere Using 16S rRNA, recA, rpoB Gene Sequencing and RAPD-PCR. Probiotics and Antimicrobial Proteins, 2016, 8, 8-18.	3.9	44
85	Designing an efficient multi-epitope peptide vaccine against Vibrio cholerae via combined immunoinformatics and protein interaction based approaches. Computational Biology and Chemistry, 2016, 62, 82-95.	2.3	136
86	A panoramic review and in silico analysis of IL-11 structure and function. Cytokine and Growth Factor Reviews, 2016, 32, 41-61.	7.2	56
87	In Silico Sub-unit Hexavalent Peptide Vaccine Against an Staphylococcus aureus Biofilm-Related Infection. International Journal of Peptide Research and Therapeutics, 2016, 22, 101-117.	1.9	26
88	Harnessing Bioinformatics for Designing a Novel Multiepitope Peptide Vaccine Against Breast Cancer. Current Pharmaceutical Biotechnology, 2016, 17, 1100-1114.	1.6	31
89	In Silico Analysis of Glutaminase from Different Species of Escherichia and Bacillus. Iranian Journal of Medical Sciences, 2016, 41, 406-14.	0.4	11
90	Differential expression of aristaless-like homeobox 4: a potential marker for gastric adenocarcinoma. Gastroenterology and Hepatology From Bed To Bench, 2016, 9, 286-294.	0.6	4

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91	Evaluation of Recombinant Human Growth Hormone Secretion in using the L-asparaginase II Signal Peptide. Avicenna Journal of Medical Biotechnology, 2016, 8, 182-187.	0.3	4
92	In silico phylogenetic analysis of Vibrio cholerae isolates based on three housekeeping genes. International Journal of Computational Biology and Drug Design, 2015, 8, 62.	0.3	9
93	In Silico Evaluation of Different Signal Peptides for the Secretory Production of Human Growth Hormone in E. coli. International Journal of Peptide Research and Therapeutics, 2015, 21, 261-268.	1.9	29
94	The effect of rare codons following the ATG start codon on expression of human granulocyte-colony stimulating factor in Escherichia coli. Protein Expression and Purification, 2015, 114, 108-114.	1.3	21
95	Designing of Complex Multi-epitope Peptide Vaccine Based on Omps of Klebsiella pneumoniae: An In Silico Approach. International Journal of Peptide Research and Therapeutics, 2015, 21, 325-341.	1.9	40
96	Cloning, Characterization and Bioinformatics Analysis of Novel Cytosine Deaminase from Escherichia coli AGH09. International Journal of Peptide Research and Therapeutics, 2015, 21, 365-374.	1.9	23
97	Production of a novel multi-epitope peptide vaccine for cancer immunotherapy in TC-1 tumor-bearing mice. Biologicals, 2015, 43, 11-17.	1.4	50
98	Cloning, Expression, and Purification of a Synthetic Human Growth Hormone in Escherichia coli Using Response Surface Methodology. Molecular Biotechnology, 2015, 57, 241-250.	2.4	26
99	Probiotic Potential of Five Lactobacillus Strains Isolated from Traditional Persian Yoghurt in Fars province, Iran: Viewing Through the Window of Phylogenetics. Biosciences, Biotechnology Research Asia, 2015, 12, 1265-1272.	0.5	6
100	Optimization of Three Dimensional Culturing of the HepG2 Cell Line in Fibrin Scaffold. Hepatitis Monthly, 2015, 15, e22731.	0.2	8
101	A novel multi-epitope peptide vaccine against cancer: An in silico approach. Journal of Theoretical Biology, 2014, 349, 121-134.	1.7	187
102	Selective Isolation and Identification of Arginine Degrading Bacteria; the Optimized Arginine Deaminase Production by Enterobacter sp. sgn1 as a New Source of This Potentially Anti-Tumor Enzyme. Journal of Applied Pharmaceutical Science, 0, , 093-101.	1.0	2