

Navid Nezafat

List of Publications by Year in descending order

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Version: 2024-02-01

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	A comprehensive review of signal peptides: Structure, roles, and applications. <i>European Journal of Cell Biology</i> , 2018, 97, 422-441.	3.6	240
2	A novel multi-epitope peptide vaccine against cancer: An in silico approach. <i>Journal of Theoretical Biology</i> , 2014, 349, 121-134.	1.7	187
3	Immunoinformatics analysis and in silico designing of a novel multi-epitope peptide vaccine against <i>Staphylococcus aureus</i> . <i>Infection, Genetics and Evolution</i> , 2017, 48, 83-94.	2.3	149
4	Designing an efficient multi-epitope peptide vaccine against <i>Vibrio cholerae</i> via combined immunoinformatics and protein interaction based approaches. <i>Computational Biology and Chemistry</i> , 2016, 62, 82-95.	2.3	136
5	Harnessing self-assembled peptide nanoparticles in epitope vaccine design. <i>Biotechnology Advances</i> , 2017, 35, 575-596.	11.7	97
6	Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. <i>Infection, Genetics and Evolution</i> , 2018, 58, 96-109.	2.3	88
7	Designing an efficient multi-epitope oral vaccine against <i>Helicobacter pylori</i> using immunoinformatics and structural vaccinology approaches. <i>Molecular BioSystems</i> , 2017, 13, 699-713.	2.9	86
8	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3524-3535.	3.5	84
9	Immunoinformatics-aided design of a potential multi-epitope peptide vaccine against <i>Leishmania infantum</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1127-1139.	7.5	63
10	A panoramic review and in silico analysis of IL-11 structure and function. <i>Cytokine and Growth Factor Reviews</i> , 2016, 32, 41-61.	7.2	56
11	A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. <i>Infection, Genetics and Evolution</i> , 2017, 54, 402-416.	2.3	54
12	Production of a novel multi-epitope peptide vaccine for cancer immunotherapy in TC-1 tumor-bearing mice. <i>Biologicals</i> , 2015, 43, 11-17.	1.4	50
13	Identification of <i>Bacillus</i> Probiotics Isolated from Soil Rhizosphere Using 16S rRNA, <i>recA</i> , <i>rpoB</i> Gene Sequencing and RAPD-PCR. <i>Probiotics and Antimicrobial Proteins</i> , 2016, 8, 8-18.	3.9	44
14	Designing of Complex Multi-epitope Peptide Vaccine Based on Omps of <i>Klebsiella pneumoniae</i> : An In Silico Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 325-341.	1.9	40
15	Investigating CRISPR-Cas systems in <i>Clostridium botulinum</i> via bioinformatics tools. <i>Infection, Genetics and Evolution</i> , 2017, 54, 355-373.	2.3	33
16	Harnessing Bioinformatics for Designing a Novel Multiepitope Peptide Vaccine Against Breast Cancer. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 1100-1114.	1.6	31
17	Decreasing the immunogenicity of arginine deiminase enzyme via structure-based computational analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 523-536.	3.5	30
18	In Silico Study of Different Signal Peptides for Secretory Production of Interleukin-11 in <i>Escherichia coli</i> . <i>Current Proteomics</i> , 2017, 14, 112-121.	0.3	30

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19	In Silico Evaluation of Different Signal Peptides for the Secretory Production of Human Growth Hormone in <i>E. coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 261-268.	1.9	29
20	Computational design of a chimeric epitope-based vaccine to protect against <i>Staphylococcus aureus</i> infections. <i>Molecular and Cellular Probes</i> , 2019, 46, 101414.	2.1	28
21	Exploring dengue proteome to design an effective epitope-based vaccine against dengue virus. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2546-2563.	3.5	27
22	Cloning, Expression, and Purification of a Synthetic Human Growth Hormone in <i>Escherichia coli</i> Using Response Surface Methodology. <i>Molecular Biotechnology</i> , 2015, 57, 241-250.	2.4	26
23	In Silico Sub-unit Hexavalent Peptide Vaccine Against an <i>Staphylococcus aureus</i> Biofilm-Related Infection. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 101-117.	1.9	26
24	A new multi-epitope peptide vaccine induces immune responses and protection against <i>Leishmania infantum</i> in BALB/c mice. <i>Medical Microbiology and Immunology</i> , 2020, 209, 69-79.	4.8	26
25	Trimeric autotransporter adhesins in <i>Acinetobacter baumannii</i> , coincidental evolution at work. <i>Infection, Genetics and Evolution</i> , 2019, 71, 116-127.	2.3	24
26	Efficacy of co-immunization with the DNA and peptide vaccines containing SYCP1 and ACRBP epitopes in a murine triple-negative breast cancer model. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 22-34.	3.3	24
27	Cloning, Characterization and Bioinformatics Analysis of Novel Cytosine Deaminase from <i>Escherichia coli</i> AGH09. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 365-374.	1.9	23
28	Iron nanoparticles as novel vaccine adjuvants. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105718.	4.0	23
29	Designing a Fusion Protein Vaccine Against HCV: An In Silico Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 861-872.	1.9	22
30	Therapeutic Approaches for COVID-19 Based on the Interferon-Mediated Immune Responses. <i>Current Signal Transduction Therapy</i> , 2021, 16, 269-279.	0.5	22
31	The effect of rare codons following the ATG start codon on expression of human granulocyte-colony stimulating factor in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2015, 114, 108-114.	1.3	21
32	Small extracellular vesicles (sEVs): discovery, functions, applications, detection methods and various engineered forms. <i>Expert Opinion on Biological Therapy</i> , 2021, 21, 371-394.	3.1	20
33	Multi-Epitope Vaccines (MEVs), as a Novel Strategy Against Infectious Diseases. <i>Current Proteomics</i> , 2020, 17, 354-364.	0.3	19
34	Studying the features of 57 confirmed CRISPR loci in 29 strains of <i>Escherichia coli</i> . <i>Journal of Basic Microbiology</i> , 2016, 56, 645-653.	3.3	18
35	Proteome-scale identification of <i>Leishmania infantum</i> for novel vaccine candidates: A hierarchical subtractive approach. <i>Computational Biology and Chemistry</i> , 2018, 72, 16-25.	2.3	18
36	Designing a Novel Multi-epitope Peptide Vaccine Against Pathogenic <i>Shigella</i> spp. Based Immunoinformatics Approaches. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 541-553.	1.9	17

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37	Selected application of peptide molecules as pharmaceutical agents and in cosmeceuticals. <i>Expert Opinion on Biological Therapy</i> , 2019, 19, 1275-1287.	3.1	15
38	Designing self-assembled peptide nanovaccine against <i>Streptococcus pneumoniae</i> : An in silico strategy. <i>Molecular and Cellular Probes</i> , 2019, 48, 101446.	2.1	15
39	Computational approach to suggest a new multi-target-directed ligand as a potential medication for Alzheimer's disease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4825-4839.	3.5	15
40	Neuroprotective Effects of Heat Shock Protein70. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018, 17, 736-742.	1.4	15
41	Arginine Deiminase: Current Understanding and Applications. <i>Recent Patents on Biotechnology</i> , 2019, 13, 124-136.	0.8	15
42	In Silico Designing a Candidate Vaccine Against Breast Cancer. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 369-380.	1.9	14
43	In silico Investigation of Pullulanase Enzymes from Various <i>Bacillus</i> Species. <i>Current Proteomics</i> , 2017, 14, .	0.3	13
44	In silico Analysis of Several Signal Peptides for the Excretory Production of Reteplase in <i>Escherichia coli</i> . <i>Current Proteomics</i> , 2017, 14, .	0.3	13
45	Medium Optimization for Recombinant Soluble Arginine Deiminase Expression in <i>Escherichia coli</i> Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 935-941.	1.6	12
46	Deep analysis of N-cadherin/ADH-1 interaction: a computational survey. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 210-228.	3.5	11
47	In silico Analysis of Different Signal Peptides for Secretory Production of Arginine Deiminase in <i>Escherichia coli</i> . <i>Recent Patents on Biotechnology</i> , 2019, 13, 217-227.	0.8	11
48	In Silico Analysis of Glutaminase from Different Species of <i>Escherichia</i> and <i>Bacillus</i> . <i>Iranian Journal of Medical Sciences</i> , 2016, 41, 406-14.	0.4	11
49	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 316-324.	1.6	10
50	Cell Penetrating Peptide: Sequence-Based Computational Prediction for Intercellular Delivery of Arginine Deiminase. <i>Current Proteomics</i> , 2020, 17, 117-131.	0.3	10
51	In silico phylogenetic analysis of <i>Vibrio cholerae</i> isolates based on three housekeeping genes. <i>International Journal of Computational Biology and Drug Design</i> , 2015, 8, 62.	0.3	9
52	Designing a therapeutic and prophylactic candidate vaccine against human papillomavirus through vaccinomics approaches. <i>Infection, Genetics and Evolution</i> , 2021, 95, 105084.	2.3	9
53	Staphylokinase Enzyme: An Overview of Structure, Function and Engineered Forms. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 1026-1037.	1.6	9
54	Hotspots for mutations in the SARS-CoV-2 spike glycoprotein: a correspondence analysis. <i>Scientific Reports</i> , 2021, 11, 23622.	3.3	9

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55	Multifaceted toxin profile of <i>Bacillus</i> probiotic in newly isolated <i>Bacillus</i> spp. from soil rhizosphere. <i>Biologia (Poland)</i> , 2020, 75, 309-315.	1.5	8
56	Pierce into the Native Structure of Ata, a Trimeric Autotransporter of <i>Acinetobacter baumannii</i> ATCC 17978. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1269-1282.	1.9	8
57	A New Approach for Cancer Immunotherapy Based on the Cancer Stem Cell Antigens Properties. <i>Current Molecular Medicine</i> , 2019, 19, 2-11.	1.3	8
58	Optimization of Three Dimensional Culturing of the HepG2 Cell Line in Fibrin Scaffold. <i>Hepatitis Monthly</i> , 2015, 15, e22731.	0.2	8
59	Evaluating the effect of BDNF Val66Met polymorphism on complex formation with HAP1 and Sortilin1 via structural modeling. <i>Computational Biology and Chemistry</i> , 2019, 78, 282-289.	2.3	7
60	In Silico Elucidation of Deleterious Non-synonymous SNPs in SHANK3, the Autism Spectrum Disorder Gene. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1649-1667.	2.3	7
61	A systems pharmacology approach to identify the autophagy-inducing effects of Traditional Persian medicinal plants. <i>Scientific Reports</i> , 2021, 11, 336.	3.3	7
62	Extracellular Production of a Potent and Chemically Resistant Nattokinase in Immobilized <i>Escherichia coli</i> Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 856-868.	1.6	7
63	Decreasing the immunogenicity of <i>Erwinia chrysanthemi</i> asparaginase via protein engineering: computational approach. <i>Molecular Biology Reports</i> , 2019, 46, 4751-4761.	2.3	6
64	Probiotic Potential of Five <i>Lactobacillus</i> Strains Isolated from Traditional Persian Yoghurt in Fars province, Iran: Viewing Through the Window of Phylogenetics. <i>Biosciences, Biotechnology Research Asia</i> , 2015, 12, 1265-1272.	0.5	6
65	Telmisartan anti-cancer activities mechanism through targeting N-cadherin by mimicking ADH1 function. <i>Journal of Cellular and Molecular Medicine</i> , 2022, , .	3.6	6
66	In silico analysis of codon usage and rare codon clusters in the halophilic bacteria L-asparaginase. <i>Biologia (Poland)</i> , 2020, 75, 151-160.	1.5	5
67	Design of a multi-epitope protein vaccine against herpes simplex virus, human papillomavirus and <i>Chlamydia trachomatis</i> as the main causes of sexually transmitted diseases. <i>Infection, Genetics and Evolution</i> , 2021, 96, 105136.	2.3	5
68	In silico prediction of B-cell epitopes for twenty-five mite allergens: The therapeutic potentials for immunotherapy. <i>Molecular and Cellular Probes</i> , 2019, 46, 101408.	2.1	4
69	Experimental Evaluation of In Silico Selected Signal Peptides for Secretory Expression of <i>Erwinia Asparaginase</i> in <i>Escherichia coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1583-1591.	1.9	4
70	In Silico Design of Epitope-Based Allergy Vaccine Against <i>Bellatella germanica</i> Cockroach Allergens. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1739-1749.	1.9	4
71	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. <i>Biologia (Poland)</i> , 2021, 76, 281-296.	1.5	4
72	The potential of intrinsically disordered regions in vaccine development. <i>Expert Review of Vaccines</i> , 2022, 21, 1-3.	4.4	4

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73	Differential expression of aristaless-like homeobox 4: a potential marker for gastric adenocarcinoma. <i>Gastroenterology and Hepatology From Bed To Bench</i> , 2016, 9, 286-294.	0.6	4
74	Evaluation of Recombinant Human Growth Hormone Secretion in using the L-asparaginase II Signal Peptide. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 182-187.	0.3	4
75	Effect of Fibrin Packing on Managing Hepatic Hemorrhage and Liver Wound Healing in a Model of Liver Stab Wound in Rat. <i>Bulletin of Emergency and Trauma</i> , 2017, 5, 18-23.	0.0	4
76	Identification of potential biomarkers in hepatocellular carcinoma: A network-based approach. <i>Informatics in Medicine Unlocked</i> , 2022, 28, 100864.	3.4	4
77	Non-adaptive Evolution of Trimeric Autotransporters in Brucellaceae. <i>Frontiers in Microbiology</i> , 2020, 11, 560667.	3.5	3
78	Computational Analysis of Arginine Deiminase Sequences to Provide a Guideline for Protein Engineering. <i>Current Proteomics</i> , 2020, 17, 132-146.	0.3	3
79	A structural vaccinology approach for in silico designing of a potential self-assembled nanovaccine against <i>Leishmania infantum</i> . <i>Experimental Parasitology</i> , 2022, 239, 108295.	1.2	3
80	Surveying FDA-approved drugs as new potential inhibitors of N-cadherin protein: a virtual screening approach. <i>Structural Chemistry</i> , 2020, 31, 2355-2369.	2.0	2
81	Identification of homozygous mutations for hearing loss. <i>Gene</i> , 2021, 778, 145464.	2.2	2
82	An Overview of Aptamer: The Prominent Applications and Different Computational Tools for its Design. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1273-1286.	1.6	2
83	Production and immunological evaluation of epitope-based preventative pneumococcal candidate vaccine comprising immunodominant epitopes from PspA, CbpA, PhtD and PiuA antigens. <i>Current Pharmaceutical Biotechnology</i> , 2020, 22, 1900-1909.	1.6	2
84	Selective Isolation and Identification of Arginine Degrading Bacteria; the Optimized Arginine Deaminase Production by <i>Enterobacter</i> sp. sgn1 as a New Source of This Potentially Anti-Tumor Enzyme. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 093-101.	1.0	2
85	Identification of intrinsically disordered regions in hub genes of acute myeloid leukemia: A bioinformatics approach. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 2304-2322.	3.1	2
86	Role of <i>Bacillus</i> Genus in the Production of Value-Added Compounds. , 2016, , 1-33.		1
87	Computational analysis of phylogenetic, functional and structural features of <i>Bacillus hyaluronate</i> lyases. <i>Biologia (Poland)</i> , 2021, 76, 381-393.	1.5	1
88	Computational Elucidation of Phylogenetic, Functional and Structural Features of Methioninase from <i>Pseudomonas</i> , <i>Escherichia</i> , <i>Clostridium</i> and <i>Citrobacter</i> Strains. <i>Recent Patents on Biotechnology</i> , 2021, 15, 286-301.	0.8	1
89	Experimental Analysis of E2BB (LTIIb) Signal Peptide in Secretory Production of Reteplase in <i>Escherichia coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 209-218.	1.9	1
90	In Silico Design of a Novel Multi-Epitope Peptide Vaccine Against Hepatocellular Carcinoma. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 1164-1176.	0.7	1

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91	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
92	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
93	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
94	Expression and purification of a novel multi-epitope peptide vaccine for breast cancer immunotherapy. Minerva Biotechnology and Biomolecular Research, 2016, 29, .	0.5	0
95	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
96	In Silico Designing a Novel Multi-epitope DNA Vaccine against Anti-apoptotic Proteins in Tumor Cells. Current Proteomics, 2019, 16, 222-230.	0.3	0
97	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
98	<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
99	<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
100	Phage Display as A Bio-Technique for Cancer Immunotherapy. Letters in Drug Design and Discovery, 2020, 17, 379-387.	0.7	0
101	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
102	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