

# Manica Negahdaripour

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,781  
citations

257101

24  
h-index

197535

49  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prebiotics: Definition, Types, Sources, Mechanisms, and Clinical Applications. <i>Foods</i> , 2019, 8, 92.	1.9	715
2	A comprehensive review of signal peptides: Structure, roles, and applications. <i>European Journal of Cell Biology</i> , 2018, 97, 422-441.	1.6	240
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.	1.0	149
4	CRISPR Cpf1 proteins: structure, function and implications for genome editing. <i>Cell and Bioscience</i> , 2019, 9, 36.	2.1	124
5	Harnessing self-assembled peptide nanoparticles in epitope vaccine design. <i>Biotechnology Advances</i> , 2017, 35, 575-596.	6.0	97
6	Nattokinase: production and application. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9199-9206.	1.7	94
7	Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. <i>Infection, Genetics and Evolution</i> , 2018, 58, 96-109.	1.0	88
8	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
9	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3524-3535.	2.0	84
10	Immunotherapeutic approaches to curtail COVID-19. <i>International Immunopharmacology</i> , 2020, 88, 106924.	1.7	57
11	A panoramic review and in silico analysis of IL-11 structure and function. <i>Cytokine and Growth Factor Reviews</i> , 2016, 32, 41-61.	3.2	56
12	A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. <i>Infection, Genetics and Evolution</i> , 2017, 54, 402-416.	1.0	54
13	Analytical methodologies for determination of methotrexate and its metabolites in pharmaceutical, biological and environmental samples. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 373-391.	2.4	52
14	Administration of COVID-19 vaccines in immunocompromised patients. <i>International Immunopharmacology</i> , 2021, 99, 108021.	1.7	51
15	The interaction of phages and bacteria: the co-evolutionary arms race. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 119-137.	5.1	37
16	Extracellular Production of Recombinant L-Asparaginase II in <i>Escherichia coli</i> : Medium Optimization Using Response Surface Methodology. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 487-495.	0.9	34
17	Investigating CRISPR-Cas systems in <i>Clostridium botulinum</i> via bioinformatics tools. <i>Infection, Genetics and Evolution</i> , 2017, 54, 355-373.	1.0	33
18	Interferon-inducer antivirals: Potential candidates to combat COVID-19. <i>International Immunopharmacology</i> , 2021, 91, 107245.	1.7	32

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19	Harnessing Bioinformatics for Designing a Novel Multiepitope Peptide Vaccine Against Breast Cancer. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 1100-1114.	0.9	31
20	The Battle Against COVID-19: Where Do We Stand Now?. <i>Iranian Journal of Medical Sciences</i> , 2020, 45, 81-82.	0.3	31
21	Decreasing the immunogenicity of arginine deiminase enzyme via structure-based computational analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 523-536.	2.0	30
22	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.	0.1	30
23	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.	0.9	29
24	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.	0.9	28
25	Trimeric autotransporter adhesins in <i>Acinetobacter baumannii</i> , coincidental evolution at work. <i>Infection, Genetics and Evolution</i> , 2019, 71, 116-127.	1.0	24
26	Potential of cell-penetrating peptides (CPPs) in delivery of antiviral therapeutics and vaccines. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 169, 106094.	1.9	24
27	Therapeutic Approaches for COVID-19 Based on the Interferon-Mediated Immune Responses. <i>Current Signal Transduction Therapy</i> , 2021, 16, 269-279.	0.3	22
28	In silico SELEX screening and statistical analysis of newly designed 5mer peptide-aptamers as Bcl-xl inhibitors using the Taguchi method. <i>Computers in Biology and Medicine</i> , 2022, 146, 105632.	3.9	22
29	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.	0.6	21
30	Small extracellular vesicles (sEVs): discovery, functions, applications, detection methods and various engineered forms. <i>Expert Opinion on Biological Therapy</i> , 2021, 21, 371-394.	1.4	20
31	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.	1.8	18
32	Characterization of biogenic Fe (III) binding exopolysaccharide nanoparticles produced by <i>Ralstonia sp. SK03</i> . <i>Biotechnology Progress</i> , 2018, 34, 1167-1176.	1.3	16
33	Selected application of peptide molecules as pharmaceutical agents and in cosmeceuticals. <i>Expert Opinion on Biological Therapy</i> , 2019, 19, 1275-1287.	1.4	15
34	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.	2.0	15
35	Biosynthesis of Metals and Metal Oxide Nanoparticles Through Microalgal Nanobiotechnology: Quality Control Aspects. <i>BioNanoScience</i> , 2021, 11, 209-226.	1.5	15
36	Neuroprotective Effects of Heat Shock Protein70. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018, 17, 736-742.	0.8	15

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37	Arginine Deiminase: Current Understanding and Applications. Recent Patents on Biotechnology, 2019, 13, 124-136.	0.4	15
38	In Silico Designing a Candidate Vaccine Against Breast Cancer. International Journal of Peptide Research and Therapeutics, 2020, 26, 369-380.	0.9	14
39	Structural characterization of polysaccharide-coated iron oxide nanoparticles produced by <i>Staphylococcus warneri</i> , isolated from a thermal spring. Journal of Basic Microbiology, 2019, 59, 569-578.	1.8	13
40	In silico Investigation of Pullulanase Enzymes from Various <i>Bacillus</i> Species. Current Proteomics, 2017, 14, .	0.1	13
41	Enterobacter sp. Mediated Synthesis of Biocompatible Nanostructured Iron-Polysaccharide Complexes: a Nutritional Supplement for Iron-Deficiency Anemia. Biological Trace Element Research, 2020, 198, 744-755.	1.9	12
42	Harnessing the non-specific immunogenic effects of available vaccines to combat COVID-19. Human Vaccines and Immunotherapeutics, 2021, 17, 1650-1661.	1.4	12
43	Exploring 3D structure of human gonadotropin hormone receptor at antagonist state using homology modeling, molecular dynamic simulation, and cross-docking studies. Journal of Molecular Modeling, 2016, 22, 225.	0.8	11
44	Deep analysis of N-cadherin/ADH-1 interaction: a computational survey. Journal of Biomolecular Structure and Dynamics, 2019, 37, 210-228.	2.0	11
45	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. Current Pharmaceutical Biotechnology, 2020, 21, 316-324.	0.9	10
46	Cell Penetrating Peptide: Sequence-Based Computational Prediction for Intercellular Delivery of Arginine Deiminase. Current Proteomics, 2020, 17, 117-131.	0.1	10
47	The Rise and Fall in Therapeutic Candidates for COVID-19. Iranian Journal of Medical Sciences, 2020, 45, 231-232.	0.3	10
48	Designing a therapeutic and prophylactic candidate vaccine against human papillomavirus through vaccinomics approaches. Infection, Genetics and Evolution, 2021, 95, 105084.	1.0	9
49	Staphylokinase Enzyme: An Overview of Structure, Function and Engineered Forms. Current Pharmaceutical Biotechnology, 2018, 18, 1026-1037.	0.9	9
50	A World of Changes: The Inheritance of COVID-19. Iranian Journal of Medical Sciences, 2020, 45, 155-156.	0.3	9
51	Hotspots for mutations in the SARS-CoV-2 spike glycoprotein: a correspondence analysis. Scientific Reports, 2021, 11, 23622.	1.6	9
52	Identification of hub pathways and drug candidates in gastric cancer through systems biology. Scientific Reports, 2022, 12, .	1.6	9
53	Pierce into the Native Structure of Ata, a Trimeric Autotransporter of <i>Acinetobacter baumannii</i> ATCC 17978. International Journal of Peptide Research and Therapeutics, 2020, 26, 1269-1282.	0.9	8
54	A New Approach for Cancer Immunotherapy Based on the Cancer Stem Cell Antigens Properties. Current Molecular Medicine, 2019, 19, 2-11.	0.6	8

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55	Optimization of Three Dimensional Culturing of the HepG2 Cell Line in Fibrin Scaffold. Hepatitis Monthly, 2015, 15, e22731.	0.1	8
56	Theta-Defensins to Counter COVID-19 as Furin Inhibitors: In Silico Efficiency Prediction and Novel Compound Design. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-15.	0.7	8
57	Cloning, expression and purification of human PDGF-BB gene in Escherichia coli: New approach in PDGF-BB protein production. Gene Reports, 2020, 19, 100653.	0.4	7
58	Probiotics/Prebiotics in Viral Respiratory Infections: Implication for Emerging Pathogens. Recent Patents on Biotechnology, 2021, 15, 112-136.	0.4	7
59	Extracellular Production of a Potent and Chemically Resistant Nattokinase in Immobilized Escherichia coli Using Response Surface Methodology. Current Pharmaceutical Biotechnology, 2018, 19, 856-868.	0.9	7
60	Deep survey for designing a vaccine against SARS-CoV-2 and its new mutations. Biologia (Poland), 2021, 76, 3465-3476.	0.8	6
61	Cell-penetrating peptide-mediated delivery of therapeutic peptides/proteins to manage the diseases involving oxidative stress, inflammatory response and apoptosis. Journal of Pharmacy and Pharmacology, 2022, 74, 1085-1116.	1.2	5
62	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.	0.4	4
63	Interaction of indole-3-acetic acid with horseradish peroxidase as a potential anticancer agent: from docking to molecular dynamics simulation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4188-4196.	2.0	3
64	Non-adaptive Evolution of Trimeric Autotransporters in Brucellaceae. Frontiers in Microbiology, 2020, 11, 560667.	1.5	3
65	Whole cell immobilization of recombinant <i>E. coli</i> cells by calcium alginate beads; evaluation of plasmid stability and production of extracellular L-asparaginase. Separation Science and Technology, 2022, 57, 2836-2842.	1.3	3
66	Computational Analysis of Arginine Deiminase Sequences to Provide a Guideline for Protein Engineering. Current Proteomics, 2020, 17, 132-146.	0.1	3
67	Effects of osmotic shock on production of beta-carotene and glycerol in a naturally isolated strain of Dunaliella salina. Journal of Applied Pharmaceutical Science, 0, , 160-163.	0.7	3
68	A structural vaccinology approach for in silico designing of a potential self-assembled nanovaccine against Leishmania infantum. Experimental Parasitology, 2022, 239, 108295.	0.5	3
69	Surveying FDA-approved drugs as new potential inhibitors of N-cadherin protein: a virtual screening approach. Structural Chemistry, 2020, 31, 2355-2369.	1.0	2
70	COVID-19 Vaccine Global Access Is an Urgency. Iranian Journal of Medical Sciences, 2021, 46, 79-80.	0.3	2
71	Post-COVID-19 Hyperglycemia: A Concern in Selection of Therapeutic Regimens. Iranian Journal of Medical Sciences, 2021, 46, 235-236.	0.3	2
72	Immunotherapeutic approaches for HPV-caused cervical cancer. Advances in Protein Chemistry and Structural Biology, 2022, 129, 51-90.	1.0	2

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73	Role of Bacillus Genus in the Production of Value-Added Compounds. , 2016, , 1-33.		1
74	Iranian Journal of Medical Sciences: 2021 Review and 2022 Outlook.. Iranian Journal of Medical Sciences, 2022, 47, 1.	0.3	1
75	Estimating costs of hepatitis B vaccination in infants: experimental evidence of the expanded program on immunization in Southern Iran. Journal of Public Health, 2021, , .	1.0	0
76	Targeting Negative Regulators of TRIF-dependent TLR Signaling Pathway as a Novel Therapeutic Strategy. Current Signal Transduction Therapy, 2019, 14, 49-54.	0.3	0
77	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.	0.2	0
78	<i>In silico</i> Evaluation of Substrate Binding Site and Rare Codons in the Structure of CYP152A1. Current Proteomics, 2020, 17, 10-22.	0.1	0
79	Fifty Years of Witnessing Biomedical Science Developments. Iranian Journal of Medical Sciences, 2020, 45, 403-404.	0.3	0
80	Contributions of Iranian Journal of Medical Sciences (IJMS) during the COVID-19 Pandemic. Iranian Journal of Medical Sciences, 2021, 46, 503-505.	0.3	0
81	Methanol and sorbitol affect the molecular dynamics of arginine deiminase: insights for improving its stability. Current Proteomics, 2022, 19, .	0.1	0