

# Hossein Naderi-Manesh

## List of Publications by Year in descending order

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154  
papers

3,607  
citations

159358

30  
h-index

182168

51  
g-index

157  
all docs

157  
docs citations

157  
times ranked

4969  
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical nanobiosensor for plasma miRNA-155, based on graphene oxide and gold nanorod, for early detection of breast cancer. <i>Biosensors and Bioelectronics</i> , 2016, 77, 99-106.	5.3	290
2	Brevinin A semi-selectively kills cancer cells by a distinct mechanism, which involves the lysosomal-mitochondrial death pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1005-1022.	1.6	151
3	Effective factors in thermostability of thermophilic proteins. <i>Biophysical Chemistry</i> , 2006, 119, 256-270.	1.5	143
4	Prediction of protein surface accessibility with information theory. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 42, 452-459.	1.5	120
5	A Ca-independent $\alpha$ -amylase that is active and stable at low pH from the <i>Bacillus</i> sp. KR-8104. <i>Enzyme and Microbial Technology</i> , 2005, 36, 666-671.	1.6	110
6	The Influence of Insertion of a Critical Residue (Arg356) in Structure and Bioluminescence Spectra of Firefly Luciferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 8641-8647.	1.6	92
7	Early detection of Alzheimer's disease using a biosensor based on electrochemically-reduced graphene oxide and gold nanowires for the quantification of serum microRNA-137. <i>RSC Advances</i> , 2017, 7, 55709-55719.	1.7	86
8	The novel albumin-chitosan core-shell nanoparticles for gene delivery: preparation, optimization and cell uptake investigation. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1651.	0.8	70
9	Isolation and biochemical characterization of laccase and tyrosinase activities in a novel melanogenic soil bacterium. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1409-1416.	1.6	68
10	Chemical modification of lysine residues in <i>Bacillus</i> $\alpha$ -amylases: effect on activity and stability. <i>Enzyme and Microbial Technology</i> , 2001, 28, 543-549.	1.6	66
11	Effect of Charge Distribution in a Flexible Loop on the Bioluminescence Color of Firefly Luciferases. <i>Biochemistry</i> , 2009, 48, 575-582.	1.2	63
12	Poly-L-lysine-coated superparamagnetic nanoparticles: a novel method for the transfection of pro-BDNF into neural stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 125-132.	1.9	61
13	Fluorescence sensing and imaging with carbon-based quantum dots for early diagnosis of cancer: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 212, 114628.	1.4	61
14	Chemical modification of bacterial $\alpha$ -amylases: changes in tertiary structures and the effect of additional calcium. <i>BBA - Proteins and Proteomics</i> , 2001, 1548, 229-237.	2.1	55
15	Molecular cloning, sequence analysis, and expression of a cDNA encoding the luciferase from the glow-worm, <i>Lampyrus turkestanicus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 215-222.	1.0	55
16	Polyurethane/siloxane membranes containing graphene oxide nanoplatelets as antimicrobial wound dressings: in vitro and in vivo evaluations. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 75.	1.7	49
17	Site-directed mutagenesis of firefly luciferase: implication of conserved residue(s) in bioluminescence emission spectra among firefly luciferases. <i>Biochemical Journal</i> , 2008, 412, 27-33.	1.7	48
18	Structure of <i>Bacillus amyloliquefaciens</i> $\alpha$ -amylase at high resolution: implications for thermal stability. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 121-129.	0.7	48

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19	Dextran-coated superparamagnetic nanoparticles modified with folate for targeted drug delivery of camptothecin. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 045009.	0.7	48
20	Horseradish peroxidase thermostabilization: The combinatorial effects of the surface modification and the polyols. <i>Enzyme and Microbial Technology</i> , 2006, 38, 118-125.	1.6	47
21	Novel water-soluble polyurethane nanomicelles for cancer chemotherapy: physicochemical characterization and cellular activities. <i>Journal of Nanobiotechnology</i> , 2012, 10, 2.	4.2	46
22	Application of ANN and RSM techniques for modeling electrospinning process of polycaprolactone. <i>Neural Computing and Applications</i> , 2019, 31, 239-248.	3.2	46
23	Photoluminescence Mechanisms of Dual-Emission Fluorescent Silver Nanoclusters Fabricated by Human Hemoglobin Template: From Oxidation- and Aggregation-Induced Emission Enhancement to Targeted Drug Delivery and Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11123-11137.	3.2	43
24	Process development for production of recombinant human interferon- $\gamma$ expressed in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 63-69.	1.4	40
25	Chemiluminescent liposomes as a theranostic carrier for detection of tumor cells under oxidative stress. <i>Analytica Chimica Acta</i> , 2019, 1059, 113-123.	2.6	40
26	Evaluation of Chitosan-Tripolyphosphate Nanoparticles as a p-shRNA Delivery Vector: Formulation, Optimization and Cellular Uptake Study. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2013, 1, 266-278.	0.3	40
27	D, L-Sulforaphane Loaded Fe <sub>3</sub> O <sub>4</sub> @ Gold Core Shell Nanoparticles: A Potential Sulforaphane Delivery System. <i>PLoS ONE</i> , 2016, 11, e0151344.	1.1	39
28	Protein adsorption onto polysaccharides: Comparison of chitosan and chitin polymers. <i>Carbohydrate Polymers</i> , 2018, 191, 191-197.	5.1	36
29	PDMS Nano-Modified Scaffolds for Improvement of Stem Cells Proliferation and Differentiation in Microfluidic Platform. <i>Nanomaterials</i> , 2020, 10, 668.	1.9	36
30	Encapsulation of an endostatin peptide in liposomes: Stability, release, and cytotoxicity study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110552.	2.5	33
31	Design and simulation of the liposomal model by using a coarse-grained molecular dynamics approach towards drug delivery goals. <i>Scientific Reports</i> , 2022, 12, 2371.	1.6	32
32	Contribution of osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization of human osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 662-671.	2.5	31
33	A combined microfluidic deep learning approach for lung cancer cell high throughput screening toward automatic cancer screening applications. <i>Scientific Reports</i> , 2021, 11, 9804.	1.6	30
34	Functional and structural characterization of a novel member of the natriuretic family of peptides from the venom of <i>Pseudocerastes persicus</i> . <i>FEBS Letters</i> , 2004, 557, 104-108.	1.3	29
35	Comparison of fatty acid composition in total lipid of diapause and non-diapause larvae of <i>Cydia pomonella</i> (Lepidoptera: Tortricidae). <i>Insect Science</i> , 2007, 14, 125-131.	1.5	29
36	Crystal structure of native and a mutant of <i>Lampyris turkestanicus</i> luciferase implicate in bioluminescence color shift. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2729-2735.	1.1	29

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37	Application of Oracet Blue in a novel and sensitive electrochemical biosensor for the detection of microRNA. <i>Analytical Methods</i> , 2015, 7, 9495-9503.	1.3	29
38	A novel aspect of functionalized graphene quantum dots in cytotoxicity studies. <i>Toxicology in Vitro</i> , 2019, 61, 104649.	1.1	28
39	PCR-based Gene Synthesis, Molecular Cloning, High Level Expression, Purification, and Characterization of Novel Antimicrobial Peptide, Brevinin-2R, in <i>Escherichia Coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 109-118.	1.4	27
40	Isolation, Purification and Characterization of a Surfactants-, Laundry Detergents- and Organic Solvents-Resistant Alkaline Protease from <i>Bacillus sp.</i> HR-08. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 33-45.	1.4	27
41	Engineering of a <i>Bacillus</i> $\alpha$ -Amylase with Improved Thermostability and Calcium Independency. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 444-459.	1.4	27
42	C-terminal Amidation of an Osteocalcin-derived Peptide Promotes Hydroxyapatite Crystallization. <i>Journal of Biological Chemistry</i> , 2013, 288, 7885-7893.	1.6	27
43	Synthesis, characterization, oxidative degradation, antibacterial activity and acetylcholinesterase/butyrylcholinesterase inhibitory effects of some new phosphorus(V) hydrazides. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5130-5139.	2.6	26
44	Peptide modified nanofibrous scaffold promotes human mesenchymal stem cell proliferation and long-term passaging. <i>Materials Science and Engineering C</i> , 2018, 84, 80-89.	3.8	26
45	A cyclic peptide reproducing the $\alpha$ 1 helix of VEGF-B binds to VEGFR-1 and VEGFR-2 and inhibits angiogenesis and tumor growth. <i>Biochemical Journal</i> , 2019, 476, 645-663.	1.7	26
46	In vitro labeling of neural stem cells with poly-L-lysine coated super paramagnetic nanoparticles for green fluorescent protein transfection. <i>Iranian Biomedical Journal</i> , 2013, 17, 71-6.	0.4	26
47	Follicle-stimulating hormone encapsulation in the cholesterol-modified chitosan nanoparticles via molecular dynamics simulations and binding free energy calculations. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 126-137.	1.9	25
48	Hemoglobin-incorporated iron quantum clusters as a novel fluorometric and colorimetric probe for sensing and cellular imaging of Zn(II) and cysteine. <i>Mikrochimica Acta</i> , 2018, 185, 60.	2.5	25
49	The structural properties of magainin in water, TFE/water, and aqueous urea solutions: Molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 931-940.	1.5	24
50	Bio-active molecules modified surfaces enhanced mesenchymal stem cell adhesion and proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 312-317.	1.0	24
51	Capture and detection of rare cancer cells in blood by intrinsic fluorescence of a novel functionalized diatom. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101753.	1.3	24
52	Thermal denaturation of yeast alcohol dehydrogenase and protection of secondary and tertiary structural changes by sugars: CD and fluorescence studies. <i>Enzyme and Microbial Technology</i> , 2007, 40, 896-901.	1.6	23
53	Structural studies of hen egg-white lysozyme dimer: Comparison with monomer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1043-1049.	1.1	23
54	Two novel Ag(I) complexes of N-nicotinyl phosphoric triamide derivatives: Synthesis, X-ray crystal structure and in vitro antibacterial and cytotoxicity studies. <i>Inorganica Chimica Acta</i> , 2014, 423, 107-116.	1.2	23

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55	Hydrophobic lapatinib encapsulated dextran-chitosan nanoparticles using a toxic solvent free method: fabrication, release property & in vitro anti-cancer activity. <i>Materials Science and Engineering C</i> , 2017, 74, 413-421.	3.8	23
56	Gold Nanowires/Fibrin Nanostructure as Microfluidics Platforms for Enhancing Stem Cell Differentiation: Bio-AFM Study. <i>Micromachines</i> , 2020, 11, 50.	1.4	23
57	Chemical modification of glucose oxidase: possible formation of molten globule-like intermediate structure. <i>FEBS Letters</i> , 2004, 561, 213-216.	1.3	22
58	Towards prostate cancer gene therapy: Development of a chlorotoxin-targeted nanovector for toxic (melittin) gene delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 209-218.	1.9	21
59	Acid-induced conformational changes in <i>Bacillus amyloliquefaciens</i> $\alpha$ -amylase: appearance of a molten globule like state. <i>Enzyme and Microbial Technology</i> , 2004, 35, 51-57.	1.6	20
60	Contribution of a putative salt bridge and backbone dynamics in the structural instability of human prion protein upon R208H mutation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 719-724.	1.0	20
61	Remarkable improvements of a neutral protease activity and stability share the same structural origins. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 599-606.	1.0	20
62	Seed-mediated Electrochemically Developed Au Nanostructures with Boosted Sensing Properties: An Implication for Non-enzymatic Glucose Detection. <i>Scientific Reports</i> , 2020, 10, 7232.	1.6	20
63	A correlation study of quinoline derivatives and their pharmaceutical behavior by ab initio calculated NQR parameters. <i>Journal of Computer-Aided Molecular Design</i> , 2004, 18, 215-220.	1.3	19
64	The effect of chitosan-tripolyphosphate nanoparticles on maturation and function of dendritic cells. <i>Comparative Clinical Pathology</i> , 2014, 23, 1421-1427.	0.3	19
65	Highly resolved $^{27}\text{Al}$ NMR spectra of aluminosilicate solutions. <i>Dalton Transactions RSC</i> , 2001, , 633-638.	2.3	18
66	The influence of laser frequency and groove distance on cell adhesion, cell viability, and antibacterial characteristics of Ti-6Al-4V dental implants treated by modern fiber engraving laser. <i>Dental Materials</i> , 2021, 37, 547-558.	1.6	18
67	The Role of Charge Distribution on the Antimalarial Activity of Artemisinin Analogues. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 366-370.	2.5	15
68	Aluminium-27 NMR Investigation of the 2-Hydroxyethyl(trimethyl)ammonium Aluminosilicate Solution. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 276-281.	2.0	15
69	Purification, Characterization, Kinetic Properties, and Thermal Behavior of Extracellular Polygalacturonase Produced by Filamentous Fungus <i>Tetracoccusporium</i> sp.. <i>Applied Biochemistry and Biotechnology</i> , 2006, 135, 193-208.	1.4	15
70	Microfluidic investigation of the effect of graphene oxide on mechanical properties of cell and actin cytoskeleton networks: experimental and theoretical approaches. <i>Scientific Reports</i> , 2021, 11, 16216.	1.6	15
71	Imidazolium-based ionic liquid functionalized mesoporous silica nanoparticles as a promising nano-carrier: response surface strategy to investigate and optimize loading and release process for Lapatinib delivery. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 1150-1161.	1.1	14
72	Thermostabilization of <i>Bacillus amyloliquefaciens</i> $\alpha$ -amylase by chemical cross-linking. <i>Journal of Biotechnology</i> , 2006, 123, 434-442.	1.9	13

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73	Role of disulfide bonds in modulating internal motions of proteins to tune their function: Molecular dynamics simulation of scorpion toxin Lqh III. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 188-196.	1.5	13
74	Acidic and proteolytic digestion of $\hat{I}\pm$ -amylases from <i>Bacillus licheniformis</i> and <i>Bacillus amyloliquefaciens</i> : Stability and flexibility analysis. <i>Enzyme and Microbial Technology</i> , 2006, 38, 422-428.	1.6	13
75	Purification, Characterization, and Structural Investigation of a New Moderately Thermophilic and Partially Calcium-Independent Extracellular $\hat{I}\pm$ -Amylase From <i>Bacillus</i> sp. TM1. <i>Applied Biochemistry and Biotechnology</i> , 2004, 119, 41-50.	1.4	12
76	Improving purification of recombinant human interferon $\hat{I}\beta$ expressed in <i>Escherichia coli</i> ; effect of removal of impurity on the process yield. <i>Protein Expression and Purification</i> , 2007, 51, 147-156.	0.6	12
77	Kinetic analysis, structural studies and prediction of pKa values of <i>Bacillus</i> KR-8104 $\hat{I}\pm$ -amylase: The determinants of pH-activity profile. <i>Enzyme and Microbial Technology</i> , 2007, 41, 337-345.	1.6	12
78	Prediction of diameter in blended nanofibers of polycaprolactone-gelatin using ANN and RSM. <i>Fibers and Polymers</i> , 2017, 18, 2368-2378.	1.1	12
79	Synergistic effect of co-immobilized FGF-2 and vitronectin-derived peptide on feeder-free expansion of induced pluripotent stem cells. <i>Materials Science and Engineering C</i> , 2018, 93, 157-169.	3.8	12
80	Comparative studies on trifluoroethanol (TFE) state of a thermophilic $\hat{I}\pm$ -amylase and its mesophilic counterpart: limited proteolysis, conformational analysis, aggregation and reactivation of the enzymes. <i>International Journal of Biological Macromolecules</i> , 2004, 34, 173-179.	3.6	11
81	Co-solvent effects on structure and function properties of savinase: Solvent-induced thermal stabilization. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 311-315.	3.6	11
82	Polypyrrole-Coated Polycaprolactone-Gelatin Conductive Nanofibers: Fabrication and Characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 250, 114440.	1.7	11
83	Zepto molar miRNA-21 detection in gold Nano-islands platform toward early cancer screening. <i>Sensing and Bio-Sensing Research</i> , 2021, 34, 100449.	2.2	11
84	Effect of oxidative stress on the production of recombinant human interferon- $\hat{I}\beta$ in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 37.	1.4	10
85	Anticholinesterase activity of some major intermediates in carbacylamidophosphate synthesis: Preparation, spectral characterization and inhibitory potency determination. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 105-111.	2.5	10
86	Isolation and characterization of a novel $\hat{I}\beta$ -radiation-resistant bacterium from hot spring in Iran. <i>Journal of Basic Microbiology</i> , 2009, 49, 119-127.	1.8	10
87	Effects of natural compounds on conformational properties and hairpin formation of amyloid- $\hat{I}^2$ monomer: docking and molecular dynamics simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3371-3383.	2.0	10
88	Acetylcholinesterase Inhibition by Diaza- and Dioxophosphole Compounds: Synthesis and Determination of IC50 Values. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2004, 19, 403-407.	2.5	9
89	Thiol-Dependent Serine Alkaline Proteases From <i>Bacillus</i> sp. HR-08 and KR-8102: Isolation, Production, and Characterization. <i>Applied Biochemistry and Biotechnology</i> , 2006, 134, 77-88.	1.4	9
90	Two Novel Anticancer Peptides from Aurein1.2. <i>International Journal of Peptide Research and Therapeutics</i> , 2011, 17, 159-164.	0.9	9

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91	Increasing proteome coverage for gel-based human tear proteome maps: towards a more comprehensive profiling. <i>Biomedical Chromatography</i> , 2015, 29, 1056-1067.	0.8	9
92	Controlled release of an endostatin peptide using chitosan nanoparticles. <i>Chemical Biology and Drug Design</i> , 2017, 90, 417-424.	1.5	9
93	Influence of Chitosan Molecular Weight and Poly(ethylene oxide): Chitosan Proportion on Fabrication of Chitosan Based Electrospun Nanofibers. <i>Polymer Science - Series A</i> , 2018, 60, 471-482.	0.4	9
94	Reaction mechanism of the bioluminescent protein mnemiopsin1 revealed by X-ray crystallography and QM/MM simulations. <i>Journal of Biological Chemistry</i> , 2019, 294, 20-27.	1.6	9
95	Design and Synthesis of Coumarin-Based Pyrazolopyridines as Biocompatible Fluorescence Dyes for Live-Cell Imaging. <i>ChemistrySelect</i> , 2020, 5, 9362-9369.	0.7	9
96	Hemoglobin bio-adhesive nanoparticles as a colon-specific delivery system for sustained release of 5-aminosalicylic acid in the effective treatment of inflammatory bowel disease. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121531.	2.6	9
97	Cloning, Expression, and Characterization of a Novel Methylglyoxal Synthase from <i>Thermus</i> sp. Strain GH5. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1519-1528.	1.4	8
98	Activation of human insulin by vitamin E: A molecular dynamics simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 91, 194-203.	1.3	8
99	A novel iron quantum cluster confined in hemoglobin as fluorescent sensor for rapid detection of <i>Escherichia coli</i> . <i>Talanta</i> , 2020, 218, 121137.	2.9	8
100	Nucleotide Sequence, Structural Investigation and Homology Modeling Studies of a Ca <sup>2+</sup> -independent $\alpha$ -amylase with Acidic pH-profile. <i>BMB Reports</i> , 2007, 40, 315-324.	1.1	8
101	Critical Role of Glu175 on Stability and Folding of Bacterial Luciferase: Stopped-flow Fluorescence Study. <i>BMB Reports</i> , 2007, 40, 453-458.	1.1	8
102	The investigation of interactions of $\alpha$ -Helicofutoxin1 with the voltage-gated potassium channels: A computational simulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 1441-1449.	1.5	7
103	Cloning, Sequence Analysis and Three-dimensional Structure Prediction of DNA Pol I from Thermophilic <i>Geobacillus</i> sp. MKK Isolated from an Iranian Hot Spring. <i>Applied Biochemistry and Biotechnology</i> , 2007, 142, 200-208.	1.4	7
104	Evidence regarding the hypothesis that the histidine-histidine contact pairs may affect protein stability. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1040-1047.	3.6	7
105	Antioxidant enzyme regulating and intracellular ROS scavenging capacities of two novel bioactive peptides from white grub larvae ( <i>Polyphylla adstpersa</i> ) hydrolysate in A549 cells. <i>Medicinal Chemistry Research</i> , 2020, 29, 2039-2049.	1.1	7
106	Investigation of the programmed cell death by encapsulated cytoskeleton drug liposomes using a microfluidic platform. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	7
107	A novel fluorescent hydroxyapatite based on iron quantum cluster template to enhance osteogenic differentiation. <i>Materials Science and Engineering C</i> , 2020, 111, 110775.	3.8	7
108	Synthesis, characterization, structural studies, DNA interaction, and cytotoxic studies of palladium(II) mixed-ligand complexes containing 2,2'-bipyridine, 5,6-dimethyl-1,10-phenanthroline and tetrazole-5-thiol ligands. <i>Inorganica Chimica Acta</i> , 2021, 514, 119953.	1.2	7

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109	QM/MM simulations provide insight into the mechanism of bioluminescence triggering in ctenophore photoproteins. <i>PLoS ONE</i> , 2017, 12, e0182317.	1.1	7
110	Homology-based molecular modelling of PLP-dependent histidine decarboxylase from <i>Morganella morganii</i> . <i>European Journal of Medicinal Chemistry</i> , 2000, 35, 567-576.	2.6	6
111	Adjusting force distributions in functional site of scorpion toxin BMK M1 by cooperative effect of disulfide bonds. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 1037-1042.	1.0	6
112	Application of zero-length cross-linking to form lysozyme, horseradish peroxidase and lysozyme- $\alpha$ -peroxidase dimers: Activity and stability. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 624-630.	3.6	6
113	Characterization of Acid-Induced Partially Folded Conformation Resembling a Molten Globule State of Polygalacturonase from a Filamentous Fungus <i>Tetracoccusporium</i> sp.. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1921-1932.	1.4	6
114	Comparative Proteomic Study Reveals the Molecular Aspects of Delayed Ocular Symptoms Induced by Sulfur Mustard. <i>International Journal of Proteomics</i> , 2015, 2015, 1-10.	2.0	6
115	A combination of bioactive and nonbioactive alkyl-peptides form a more stable nanofiber structure for differentiating neural stem cells: a molecular dynamics simulation survey. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3434-3444.	2.0	6
116	Improvement of anti-biofilm activities via co-delivery of curcumin and gentamicin in lipid-polymer hybrid nanoparticle. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2022, 33, 174-196.	1.9	6
117	Fingerprinting Metabolic Activity and Tissue Integrity of 3D Lung Cancer Spheroids under Gold Nanowire Treatment. <i>Cells</i> , 2022, 11, 478.	1.8	6
118	Differentiation of PC12 cell line into neuron by Valproic acid encapsulated in the stabilized core-shell liposome-chitosan Nano carriers. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 252-260.	3.6	6
119	Quantum mechanical study of the intermediates formed following the reaction of the histidine decarboxylase's substrate and inhibitors with coenzyme. <i>European Journal of Medicinal Chemistry</i> , 2000, 35, 283-289.	2.6	5
120	Binding of long-chain $\delta$ -neurotoxin would stabilize the resting state of nAChR: A comparative study with $\delta$ -conotoxin. <i>Theoretical Biology and Medical Modelling</i> , 2009, 6, 3.	2.1	5
121	Enhanced reproducibility of the human gelatin-based tear proteome maps in the presence of di-(2-hydroxyethyl) disulfide. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 660-667.	1.4	5
122	Improved surface bioactivity of stainless steel substrates using osteocalcin mimetic peptide. <i>Materials Chemistry and Physics</i> , 2014, 143, 1364-1371.	2.0	5
123	Light induced structural changes of the photoprotein mnemiopsin: Characterization and contribution in photoinactivation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 133-140.	1.7	5
124	PDB2Graph: A toolbox for identifying critical amino acids map in proteins based on graph theory. <i>Computers in Biology and Medicine</i> , 2016, 72, 151-159.	3.9	5
125	Photoinactivation related dynamics of ctenophore photoproteins: Insights from molecular dynamics simulation under electric-field. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 265-270.	1.0	5
126	Proteomic features of delayed ocular symptoms caused by exposure to sulfur mustard: As studied by protein profiling of corneal epithelium. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1445-1454.	1.1	5



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127	Solution structure of long neurotoxin NTX-1 from the venom of <i>Naja naja oxiana</i> by 2D-NMR spectroscopy. <i>FEBS Journal</i> , 2004, 271, 4950-4957.	0.2	4
128	Synthesis, characterization and inhibitory potency of two oxono and thiono analogues of phosphoramidate compounds on acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 521-525.	2.5	4
129	Anticancer activity of a new gonadotropin releasing hormone analogue. <i>Biopolymers</i> , 2010, 94, 292-297.	1.2	4
130	MicroRNA-145-based differentiation of human mesenchymal stem cells to smooth muscle cells. <i>Biotechnology Letters</i> , 2016, 38, 1975-1981.	1.1	4
131	In Vivo study of naturally deformed <i>Escherichia coli</i> bacteria. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 281-291.	1.0	4
132	Implicit solvent systematic coarse-graining of dioleoylphosphatidylethanolamine lipids: From the inverted hexagonal to the bilayer structure. <i>PLoS ONE</i> , 2019, 14, e0214673.	1.1	4
133	Design and synthesis of polyacrylic acid/deoxycholic acid-modified chitosan copolymer and a close inspection of human growth hormone-copolymer interactions: An experimental and computational study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111956.	2.5	4
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