

# Azadeh Ebrahim-Habibi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106 papers	1,472 citations	20 h-index	33 g-index
111 ext. papers	1,750 ext. citations	3.2 avg, IF	4.75 L-index

#	Paper	IF	Citations
106	Inhibition of amyloid fibrillation of lysozyme by indole derivatives--possible mechanism of action. <i>FEBS Journal</i> , <b>2007</b> , 274, 6415-25	5.7	112
105	Acknowledgement of manuscript reviewers 2014. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2015</b> , 14, 1	2.5	78
104	Acknowledgement of manuscript reviewers 2015. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2015</b> , 15, 1	2.5	78
103	Neuroprotective effects of metformin against A $\beta$ -mediated inhibition of long-term potentiation in rats fed a high-fat diet. <i>Brain Research Bulletin</i> , <b>2016</b> , 121, 178-85	3.9	58
102	Effect of polyamines on the structure, thermal stability and 2,2,2-trifluoroethanol-induced aggregation of alpha-chymotrypsin. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 41, 597-604	7.9	56
101	Immobilization of acetylcholinesterase in nanofibrous PVA/BSA membranes by electrospinning. <i>Engineering in Life Sciences</i> , <b>2010</b> , 10, 57-64	3.4	50
100	Role of electrostatic interactions in 2,2,2-trifluoroethanol-induced structural changes and aggregation of alpha-chymotrypsin. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 457, 160-9	4.1	50
99	Investigation of thymol effect on learning and memory impairment induced by intrahippocampal injection of amyloid beta peptide in high fat diet- fed rats. <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 827-839	3.9	46
98	Trans-chalcone: a novel small molecule inhibitor of mammalian alpha-amylase. <i>Molecular Biology Reports</i> , <b>2011</b> , 38, 1617-20	2.8	45
97	Chemical modification of lysine residues in lysozyme may dramatically influence its amyloid fibrillation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 714-22	4	45
96	Fibrillation of alpha-lactalbumin: effect of crocin and safranal, two natural small molecules from <i>Crocus sativus</i> . <i>Biopolymers</i> , <b>2010</b> , 93, 854-65	2.2	37
95	Thermal aggregation of alpha-chymotrypsin: role of hydrophobic and electrostatic interactions. <i>Biophysical Chemistry</i> , <b>2008</b> , 132, 23-32	3.5	37
94	Effects of thymol on amyloid- $\beta$ -induced impairments in hippocampal synaptic plasticity in rats fed a high-fat diet. <i>Brain Research Bulletin</i> , <b>2018</b> , 137, 338-350	3.9	31
93	Enhancing activity and thermostability of lipase A from <i>Serratia marcescens</i> by site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 93-94, 18-28	3.8	31
92	Core structure of flavonoids precursor as an antihyperglycemic and antihyperlipidemic agent: an in vivo study in rats.. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57,	2	31
91	Silymarin effect on amyloid- $\beta$ -plaque accumulation and gene expression of APP in an Alzheimer's disease rat model. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 22, 24	3.9	29
90	Interaction of A $\beta$ (25-35) fibrillation products with mitochondria: Effect of small-molecule natural products. <i>Biopolymers</i> , <b>2014</b> , 102, 473-86	2.2	25

89	How curcumin affords effective protection against amyloid fibrillation in insulin. <i>Food and Function</i> , <b>2013</b> , 4, 1474-80	6.1	25
88	Drug repurposing using computational methods to identify therapeutic options for COVID-19. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2020</b> , 19, 1-9	2.5	23
87	Inhibition of amyloid fibril formation and cytotoxicity by a chemical analog of Curcumin as a stable inhibitor. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 396-404	7.9	23
86	Amyloid fibrillation in native and chemically-modified forms of carbonic anhydrase II: role of surface hydrophobicity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 468-77	4	17
85	Influence of dendrimer surface chemistry and pH on the binding and release pattern of chalcone studied by molecular dynamics simulations. <i>Journal of Molecular Recognition</i> , <b>2019</b> , 32, e2757	2.6	16
84	Mutation screening of VHL gene in a family with malignant bilateral pheochromocytoma: from isolated familial pheochromocytoma to von Hippel-Lindau disease. <i>Familial Cancer</i> , <b>2009</b> , 8, 465-71	3	16
83	Neohesperidin dihydrochalcone: presentation of a small molecule activator of mammalian alpha-amylase as an allosteric effector. <i>FEBS Letters</i> , <b>2013</b> , 587, 652-8	3.8	15
82	Benzofuranone derivatives as effective small molecules related to insulin amyloid fibrillation: a structure-function study. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 78, 659-66	2.9	15
81	Amyloidogenic potential of alpha-chymotrypsin in different conformational states. <i>Biopolymers</i> , <b>2009</b> , 91, 28-36	2.2	15
80	Structural stability of myoglobin and glycomyoglobin: a comparative molecular dynamics simulation study. <i>Journal of Biological Physics</i> , <b>2015</b> , 41, 349-66	1.6	14
79	Effect of trans-chalcone on atheroma plaque formation, liver fibrosis and adiponectin gene expression in cholesterol-fed NMRI mice. <i>Pharmacological Reports</i> , <b>2016</b> , 68, 720-7	3.9	14
78	Acarbose versus trans-chalcone: comparing the effect of two glycosidase inhibitors on obese mice. <i>Archives of Endocrinology and Metabolism</i> , <b>2015</b> , 59, 202-9	2.2	14
77	Bis(indolyl)phenylmethane derivatives are effective small molecules for inhibition of amyloid fibril formation by hen lysozyme. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 124, 361-371	6.8	14
76	A new frameshift MEN1 gene mutation associated with familial malignant insulinomas. <i>Familial Cancer</i> , <b>2011</b> , 10, 343-8	3	13
75	Effect of Cinnamomum Verum Extract on the Amyloid Formation of Hen Egg-white Lysozyme and Study of its Possible Role in Alzheimer's Disease. <i>Basic and Clinical Neuroscience</i> , <b>2015</b> , 6, 29-37	1.4	13
74	Heme binding site in apomyoglobin may be effectively targeted with small molecules to control aggregation. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 299-307	5.6	12
73	Complexation of nicotinic acid with first generation poly(amidoamine) dendrimers: A microscopic view from density functional theory. <i>Chemical Physics Letters</i> , <b>2017</b> , 684, 103-112	2.5	12
72	Atomistic computer simulations on multi-loaded PAMAM dendrimers: a comparison of amine- and hydroxyl-terminated dendrimers. <i>Journal of Computer-Aided Molecular Design</i> , <b>2017</b> , 31, 1097-1111	4.2	12

71	Effects of sucrose and trehalose on stability, kinetic properties, and thermal aggregation of firefly luciferase. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 165, 572-82	3.2	12
70	Generating local amyloidosis in mice by the subcutaneous injection of human insulin amyloid fibrils. <i>Experimental and Therapeutic Medicine</i> , <b>2014</b> , 8, 405-408	2.1	11
69	SLC34A3 intronic deletion in a new kindred with hereditary hypophosphatemic rickets with hypercalciuria. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , <b>2012</b> , 4, 89-93	1.9	11
68	Thermal aggregation of a model allosteric protein in different conformational states. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 156-62	7.9	11
67	Thermostabilization of <i>Bacillus amyloliquefaciens</i> alpha-amylase by chemical cross-linking. <i>Journal of Biotechnology</i> , <b>2006</b> , 123, 434-42	3.7	11
66	Core structure of flavonoids precursor as an antihyperglycemic and antihyperlipidemic agent: an in vivo study in rats. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57, 553-60	2	11
65	Indole and trans-chalcone attenuate amyloid $\beta$ plaque accumulation in male Wistar rat: in vivo effectiveness of two anti-amyloid scaffolds. <i>Archives Italiennes De Biologie</i> , <b>2013</b> , 151, 106-13	1.1	11
64	Silver nano particles ameliorate learning and spatial memory of male Wistar rats by prevention of amyloid fibril-induced neurotoxicity. <i>Archives Italiennes De Biologie</i> , <b>2017</b> , 155, 131-141	1.1	10
63	Characterization of arginine preventive effect on heat-induced aggregation of insulin. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 145, 1039-1048	7.9	10
62	Characterization of surface binding sites in glycoside hydrolases: A computational study. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2624	2.6	9
61	Effects of Eugenol on Alzheimer's Disease-like Manifestations in Insulin- and A $\beta$ -Induced Rat Models. <i>Neurophysiology</i> , <b>2019</b> , 51, 114-119	0.6	9
60	Segregation of a novel homozygous 6 nucleotide deletion in GLUT2 gene in a Fanconi-Bickel syndrome family. <i>Gene</i> , <b>2015</b> , 557, 103-5	3.8	9
59	Ectopic Cushing syndrome associated with thymic carcinoid tumor as the first presentation of MEN1 syndrome-report of a family with MEN1 gene mutation. <i>Familial Cancer</i> , <b>2014</b> , 13, 267-72	3	9
58	Prevention of thermal aggregation of an allosteric protein by small molecules: some mechanistic insights. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 806-13	7.9	9
57	Introducing a New Model of Sweet Taste Receptor, a Class C G-protein Coupled Receptor (C GPCR). <i>Cell Biochemistry and Biophysics</i> , <b>2019</b> , 77, 227-243	3.2	8
56	Cymene and Metformin treatment effect on biochemical parameters of male NMRI mice fed with high fat diet. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2015</b> , 14, 52	2.5	8
55	A molecular modeling study on full-length insulin: insight into initial events of amyloid formation. <i>Structural Chemistry</i> , <b>2014</b> , 25, 1175-1185	1.8	8
54	A new missense mutation in FGF23 gene in a male with hyperostosis-hyperphosphatemia syndrome (HHS). <i>Gene</i> , <b>2014</b> , 542, 269-71	3.8	8

53	Maternal zinc intake of Wistar rats has a protective effect in the alloxan-induced diabetic offspring. <i>Journal of Physiology and Biochemistry</i> , <b>2013</b> , 69, 35-43	5	8
52	Injection of insulin amyloid fibrils in the hippocampus of male Wistar rats: report on memory impairment and formation of amyloid plaques. <i>Neurological Sciences</i> , <b>2015</b> , 36, 1411-6	3.5	7
51	Xanthine derivatives as activators of alpha-amylase: hypothesis on a link with the hyperglycemia induced by caffeine. <i>Obesity Research and Clinical Practice</i> , <b>2013</b> , 7, e487-93	5.4	7
50	Structure and function of anhydride-modified forms of human insulin: In silico, in vitro and in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 96, 342-350	5.1	7
49	Novel mutations of wolframin: a report with a look at the protein structure. <i>Clinical Genetics</i> , <b>2011</b> , 79, 96-9	4	7
48	Amino Acids as Additives against Amorphous Aggregation: In Vitro and In Silico Study on Human Lysozyme. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 189, 305-317	3.2	6
47	Rational design of stable and functional hirudin III mutants with lower antigenicity. <i>Biologicals</i> , <b>2015</b> , 43, 479-91	1.8	6
46	Liver alpha-amylase gene expression as an early obesity biomarker. <i>Pharmacological Reports</i> , <b>2017</b> , 69, 229-234	3.9	6
45	Bacterial expression and characterization of an active recombinant lipase A from <i>Serratia marcescens</i> with truncated C-terminal region. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 120, 84-92		6
44	A novel missense mutation in oncostatin M receptor beta causing primary localized cutaneous amyloidosis. <i>BioMed Research International</i> , <b>2014</b> , 2014, 653724	3	6
43	A Systematic Review on Popularity, Application and Characteristics of Protein Secondary Structure Prediction Tools. <i>Current Drug Discovery Technologies</i> , <b>2019</b> , 16, 159-172	1.5	6
42	Investigation of host-guest interactions between polyester dendrimers and ibuprofen using density functional theory (DFT). <i>Computational and Theoretical Chemistry</i> , <b>2020</b> , 1189, 112983	2	6
41	Response surface methodology for optimizing the bovine serum albumin fibrillation. <i>Protein Journal</i> , <b>2012</b> , 31, 457-65	3.9	5
40	Thermally induced changes in the structure and activity of yeast hexokinase B. <i>Biophysical Chemistry</i> , <b>2008</b> , 137, 88-94	3.5	5
39	Betanin effect on PPAR- $\alpha$ and SREBP-1c expression in NMRI mice model of steatohepatitis with fibrosis. <i>Physiology International</i> , <b>2020</b> , 107, 67-81	1.5	5
38	Effect of Organic Solvents on Porcine Pancreatic Lipase Thermal Aggregation. <i>Protein and Peptide Letters</i> , <b>2017</b> , 24, 955-961	1.9	5
37	PAMAM and polyester dendrimers as favipiravir nanocarriers: a comparative study using DFT method. <i>Journal of Nanoparticle Research</i> , <b>2021</b> , 23, 231	2.3	5
36	Turmeric effect on subcutaneous insulin-induced amyloid mass: an in vivo study. <i>Drug and Chemical Toxicology</i> , <b>2017</b> , 40, 1-6	2.3	4

35	Therapeutic protein deimmunization by T-cell epitope removal: antigen-specific immune responses in vitro and in vivo. <i>Apmis</i> , <b>2017</b> , 125, 544-552	3.4	4
34	Acetylation of lysine residues in apomyoglobin: Structural changes, amyloid fibrillation, and role of surface charge. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 626-634	7.9	4
33	Molecular investigation of WFS1 gene exon 8 in Iranian patients with Wolfram syndrome. <i>International Journal of Diabetes in Developing Countries</i> , <b>2016</b> , 36, 75-80	0.8	4
32	UV Spectrophotometric Determination and Validation of Hydroquinone in Liposome. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2015</b> , 14, 473-8	1.1	4
31	Monocyclic phenolic compounds stabilize human insulin and suppress its amorphous aggregation: In vitro and in vivo study. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 518, 362-367	3.4	3
30	Cymene consumption and physical activity effect in Alzheimer's disease model: an in vivo and in vitro study. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2020</b> , 19, 1381-1389	2.5	3
29	Amyloid formation and inhibition of an all-beta protein: A study on fungal polygalacturonase. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1059, 94-100	3.4	3
28	Thioflavin T effect in diabetic Wistar rats: reporting the antihyperglycemic property of an amyloid probing dye. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 364-9	3.9	3
27	Reflection on design and testing of pancreatic alpha-amylase inhibitors: an in silico comparison between rat and rabbit enzyme models. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 20, 77	3.9	3
26	Effect of inulin supplementation in male mice fed with high fat diet on biochemical profile and Amylase gene expression. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2016</b> , 15, 1197	0.8	3
25	Acarbose and the thermal aggregation of Bacillus amyloliquefaciens alpha-amylase (BAA): protective effect of an inhibitor. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1397-1402	3.5	3
24	Amyloid-like aggregates formation by bovine apo-carbonic anhydrase in various alcohols: A comparative study. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 573-580	7.9	3
23	5-[Aryloxypropyl (or nitrophenyl)]-4H-1,2,4-triazoles as novel flexible benzodiazepine analogues: Synthesis, receptor binding affinity and lipophilicity-dependent anti-seizure onset of action. <i>Bioorganic Chemistry</i> , <b>2021</b> , 106, 104504	5.1	3
22	Inhibition of amyloid fibrillation of apo-carbonic anhydrase by flavonoid compounds. <i>Journal of Biosciences</i> , <b>2019</b> , 44, 1	2.3	2
21	Astaxanthin effectiveness in preventing multiple sclerosis in animal model. <i>Bratislava Medical Journal</i> , <b>2018</b> , 119, 160-166	1.7	2
20	Effect of neohesperidin dihydrochalcone on the activity and stability of alpha-amylase: a comparative study on bacterial, fungal, and mammalian enzymes. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 605-13	2.6	2
19	Interaction of an intermediate structure of Bacillus subtilis alpha-amylase with alkyl-substituted sepharose 4B: a model of membrane translocation. <i>Applied Biochemistry and Biotechnology</i> , <b>2004</b> , 117, 123-32	3.2	2
18	Engineering an anti-granulocyte colony stimulating factor receptor nanobody for improved affinity. <i>Life Sciences</i> , <b>2020</b> , 257, 118052	6.8	2

17	Glycyrrhizin Improves Fatty Liver Symptoms, Increases Adiponectin and Reduces UCP2 Expression in Wistar Rats. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2020</b> , 90, 191-197	1.4	2
16	Presence of carbohydrate binding modules in extracellular region of class C G-protein coupled receptors (C GPCR): An investigation on sweet taste receptor. <i>Journal of Biosciences</i> , <b>2019</b> , 44,	2.3	2
15	Presence of carbohydrate binding modules in extracellular region of class C G-protein coupled receptors (C GPCR): An in silico investigation on sweet taste receptor. <i>Journal of Biosciences</i> , <b>2019</b> , 44, 1	2.3	1
14	Thermal disaggregation of type B yeast hexokinase by indole derivatives: a mechanistic study. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 1260-6	7.9	1
13	The therapeutic effects of berberine plus sitagliptin in a rat model of fatty liver disease. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2021</b> , 24, 451-459	1.8	1
12	Aurones as New Porcine Pancreatic $\alpha$ -Amylase Inhibitors. <i>Letters in Drug Design and Discovery</i> , <b>2019</b> , 16, 333-340	0.8	1
11	Virtual Screening of Henna Compounds Library for Discovery of New Leads against Human Thymidine Phosphorylase, an Overexpressed Factor of Hand-Foot Syndrome. <i>Letters in Drug Design and Discovery</i> , <b>2019</b> , 16, 625-636	0.8	1
10	Human Serum Albumin Structure in Presence of Different Concentrations of Cortisol and Glucose: An In Vitro Modeling Under Normal and Hyperglycemic Conditions. <i>Iranian Red Crescent Medical Journal</i> , <b>2016</b> , 19,	1.3	1
9	Targeting acetate kinase: inhibitors as potential bacteriostatics. <i>Journal of Microbiology and Biotechnology</i> , <b>2013</b> , 23, 1544-53	3.3	1
8	Structural and Dynamic Insight into Hirudin Epitopes-HLADRB1 0101 Complexes and their Modified Peptide Ligands: A Molecular Dynamic Simulation Study. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2016</b> , 14, 2171	0.8	1
7	Structural modeling of human AKAP3 protein and in silico analysis of single nucleotide polymorphisms associated with sperm motility.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3656	4.9	1
6	Hydro alcoholic green tea extract effect on high fat diet treated NMRI mice and 3T3L1 cells. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2021</b> , 20, 641-648	2.5	0
5	Structure-Sweetness Relationship of Sweet Proteins: A Systematic Review on Sweet Protein Studies as a Sub-Group of Sweetener Investigations. <i>Moscow University Biological Sciences Bulletin</i> , <b>2021</b> , 76, 175-190	0.5	0
4	Investigating the role of endogenous opioid system in chloroquine-induced phospholipidosis in rat liver by morphological, biochemical and molecular modelling studies. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2020</b> , 47, 1575-1583	3	
3	Indole-based derivatives effect on rats with polycystic ovary syndrome. <i>Journal of Pharmaceutical Investigation</i> , <b>2017</b> , 47, 439-444	6.3	
2	Modeling and simulation in medical sciences: an overview of specific applications based on research experience in EMRI (Endocrinology and Metabolism Research Institute of Tehran University of Medical Sciences). <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2021</b> , 1-7	2.5	
1	Phenylalanine and indole effects on the pathogenicity of human lysozyme amorphous aggregates.. <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 158, 110036	3.8	