

# Reza Yousefi

## List of Publications by Year in Descending Order

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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.

146 papers	2,454 citations	27 h-index	43 g-index
152 ext. papers	2,787 ext. citations	3.7 avg, IF	5.16 L-index

#	Paper	IF	Citations
146	Crystallins as Important Pathogenic Targets for Accumulation of Structural Damages Resulting in Protein Aggregation and Cataract Development: Introduction to This Special Issue of Biochemistry (Moscow).. <i>Biochemistry (Moscow)</i> , <b>2022</b> , 87, 87-90	2.9	0
145	Relationship between the Structure and Chaperone Activity of Human A-Crystallin after Its Modification with Diabetes-Associated Oxidative Agents and Protective Role of Antioxidant Compounds.. <i>Biochemistry (Moscow)</i> , <b>2022</b> , 87, 91-105	2.9	2
144	Low-Power Ultradeep-Submicrometer Junctionless Carbon Nanotube Field-Effect Diode. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 69, 400-405	2.9	1
143	Tau and amyloid beta differentially affect the innate immune genes expression in Drosophila models of Alzheimer's disease and D Mannuronic acid (M2000) modulates the dysregulation. <i>Gene</i> , <b>2022</b> , 808, 145972	3.8	1
142	Developing a novel exenatide-based incretin mimic (B-Ex): Expression, purification and structural-functional characterization.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2022</b> , 130150	4	
141	A novel strategy for production of liraglutide precursor peptide and development of a new long-acting incretin mimic.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266833	3.7	1
140	Increased chaperone activity of human B-crystallin with incomplete oxidation as a new defense mechanism against oxidative stress. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2022</b> , 140794	4	0
139	Structural and functional studies of D109A human B-crystallin contributing to the development of cataract and cardiomyopathy diseases. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260306	3.7	1
138	Myopathy-associated G154S mutation causes important changes in the conformational stability, amyloidogenic properties, and chaperone-like activity of human B-crystallin.. <i>Biophysical Chemistry</i> , <b>2021</b> , 282, 106744	3.5	1
137	Single-chain antibody-decorated Au nanocages@liposomal layer nanoprobe for targeted SERS imaging and remote-controlled photothermal therapy of melanoma cancer cells. <i>Materials Science and Engineering C</i> , <b>2021</b> , 124, 112086	8.3	4
136	Ultrafast all-optical half-adder and half-subtractor based on linear 2D photonic crystal. <i>Optical and Quantum Electronics</i> , <b>2021</b> , 53, 1	2.4	2
135	The biochemical association between R157H mutation in human B-crystallin and development of cardiomyopathy: Structural and functional analyses of the mutant protein. <i>Biochimie</i> , <b>2021</b> , 190, 36-49	4.6	1
134	The assessment of antidiabetic properties of novel synthetic curcumin analogues: Amylase and Glucosidase as the target enzymes. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2020</b> , 19, 1505-1515	2.5	5
133	Analysis of the data on titration of native and peroxynitrite modified A- and B-crystallins by Cu-ions. <i>Data in Brief</i> , <b>2020</b> , 30, 105492	1.2	
132	Synthesis of new curcumin derivatives as influential antidiabetic Glucosidase and Amylase inhibitors with anti-oxidant activity. <i>Carbohydrate Research</i> , <b>2020</b> , 494, 108069	2.9	10
131	The congenital cataract-causing mutations P20R and A171T are associated with important changes in the amyloidogenic feature, structure and chaperone-like activity of human B-crystallin. <i>Biopolymers</i> , <b>2020</b> , 111, e23350	2.2	5
130	Efficiency Enhancement of Ultra-thin CIGS Solar Cells Using Bandgap Grading and Embedding Au Plasmonic Nanoparticles. <i>Plasmonics</i> , <b>2020</b> , 15, 1173-1182	2.4	16

129	Theoretical Analysis of Tunneling GNR-FET under Local Compressive Uniaxial Strain. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 021002	2	3
128	Anticancer Activity Assessment and DNA Binding Properties of Two Binuclear Platinum (II) Complexes using Spectroscopic and Molecular Simulation Approaches. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2020</b> , 20, 2066-2073	2.2	1
127	Structural and functional characterization of D109H and R69C mutant versions of human B-crystallin: The biochemical pathomechanism underlying cataract and myopathy development. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 1142-1160	7.9	13
126	Kinetic data analysis of chaperone-like activity of Wt, R69C and D109H B-crystallins. <i>Data in Brief</i> , <b>2020</b> , 28, 104922	1.2	3
125	All-optical OR, NOT and XOR gates based on linear photonic crystal with high port-to-port isolation. <i>Applied Physics B: Lasers and Optics</i> , <b>2020</b> , 126, 1	1.9	5
124	Polyethylene glycol-bonded triethylammonium L-prolinate: a new biodegradable amino-acid-based ionic liquid for the one-pot synthesis of bis(pyrazolyl)methanes as DNA binding agents. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 16995-17012	3.6	5
123	Isolation of Cysteine-Rich Peptides from. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	3
122	Insulin fibrillation: toward strategies for attenuating the process. <i>Chemical Communications</i> , <b>2020</b> , 56, 11354-11373	5.8	19
121	Characterization of insulin cross-seeding: the underlying mechanism reveals seeding and denaturant-induced insulin fibrillation proceeds through structurally similar intermediates.. <i>RSC Advances</i> , <b>2020</b> , 10, 29885-29899	3.7	4
120	Quantum simulation of a junctionless carbon nanotube field-effect transistor under torsional strain. <i>Superlattices and Microstructures</i> , <b>2020</b> , 138, 106239	2.8	5
119	Modulating Insulin Fibrillation Using Engineered B-Chains with Mutated C-Termini. <i>Biophysical Journal</i> , <b>2019</b> , 117, 1626-1641	2.9	8
118	Carnosine Prevents Different Structural Damages Induced by Methylglyoxal in Lens Crystallins. <i>Cell Biochemistry and Biophysics</i> , <b>2019</b> , 77, 343-355	3.2	1
117	The impact of concurrent training and antioxidant supplementation on the factors associated with the ocular lens opacity in diabetic rats. <i>Archives of Physiology and Biochemistry</i> , <b>2019</b> , 1-15	2.2	
116	A Computational Study of a Heterostructure Tunneling Carbon Nanotube Field-Effect Transistor. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 7048-7054	1.9	4
115	Maltase-glucoamylase inhibition potency and cytotoxicity of pyrimidine-fused compounds: An in silico and in vitro approach. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 82, 25-36	3.6	0
114	Three Pt-Pt Complexes with Donor-acceptor Feature: Anticancer Activity, DNA Binding Studies and Molecular Docking Simulation. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 1762-1774	2.2	4
113	A computational study of a carbon nanotube junctionless tunneling field-effect transistor (CNT-JLTFET) based on the charge plasma concept. <i>Superlattices and Microstructures</i> , <b>2019</b> , 125, 168-176	2.8	18
112	A Computational Study of an Optimized MOS-Like Graphene Nano Ribbon Field Effect Transistor (GNRFET). <i>ECS Journal of Solid State Science and Technology</i> , <b>2018</b> , 7, P96-P101	2	9

111	Importance of the positively charged residue at position 54 to the chaperoning function, conformational stability and amyloidogenic nature of human A-crystallin. <i>Journal of Biochemistry</i> , <b>2018</b> , 163, 187-199	3.1	3
110	Structure, chaperone-like activity and allergenicity profile of bovine caseins upon peroxynitrite modification: New evidences underlying mastitis pathomechanisms. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 1258-1269	7.9	0
109	Synthesis of new nano Schiff base complexes: X-ray crystallography, thermal, electrochemical and anticancer studies of nano uranyl Schiff base complexes. <i>Bulletin of the Chemical Society of Ethiopia</i> , <b>2018</b> , 32, 89	1.2	4
108	Chemical modifications of insulin: Finding a compromise between stability and pharmaceutical performance. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 547, 450-468	6.5	19
107	Human B-crystallin as fusion protein and molecular chaperone increases the expression and folding efficiency of recombinant insulin. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206169	3.7	9
106	Synthesis and Antioxidant Activity Evaluation of Some Novel Aminocarbonitrile Derivatives Incorporating Carbohydrate Moieties. <i>ACS Omega</i> , <b>2018</b> , 3, 10341-10350	3.9	12
105	Structural and functional alteration of human A-crystallin after exposure to full spectrum solar radiation and preventive role of lens antioxidants. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1120-1130	7.9	3
104	The impact of different mutations at Arg54 on structure, chaperone-like activity and oligomerization state of human A-crystallin: The pathomechanism underlying congenital cataract-causing mutations R54L, R54P and R54C. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 604-618	4	19
103	A computational study of a novel graphene nanoribbon field effect transistor. <i>International Journal of Modern Physics B</i> , <b>2017</b> , 31, 1750056	1.1	5
102	Surface and mechanical properties of modified porous titanium scaffold. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 61-66	4.4	34
101	The structural damages of lens crystallins induced by peroxynitrite and methylglyoxal, two causative players in diabetic complications and preventive role of lens antioxidant components. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 74-88	7.9	5
100	Studies to reveal the nature of interactions between catalase and curcumin using computational methods and optical techniques. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 550-556	7.9	26
99	Performance Evaluation and Design Considerations of Electrically Activated Drain Extension Tunneling GNR/FET: A Quantum Simulation Study. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 6508-6517	1.9	6
98	Protective role of antioxidant compounds against peroxynitrite-mediated modification of R54C mutant A-crystallin. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 629, 43-53	4.1	2
97	Competitive binding affinity of two lanthanum(III) macrocycle complexes toward DNA and bovine serum albumin in water. <i>Journal of the Iranian Chemical Society</i> , <b>2017</b> , 14, 2367-2385	2	10
96	The structural alteration and aggregation propensity of glycosylated lens crystallins in the presence of calcium: Importance of lens calcium homeostasis in development of diabetic cataracts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 170, 174-83	4.4	5
95	Protective effects of carnosine on dehydroascorbate-induced structural alteration and opacity of lens crystallins: important implications of carnosine pleiotropic functions to combat cataractogenesis. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1766-1784	3.6	11
94	The interaction of beta-lactoglobulin with ciprofloxacin and kanamycin; a spectroscopic and molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1968-1978	3.6	13

93	An Analytical Model for Ballistic Carbon Nanotube Field Effect Transistor Applicable to Circuit Simulators. <i>ECS Journal of Solid State Science and Technology</i> , <b>2017</b> , 6, M109-M113	2	1
92	Evaluation of Structure, Chaperone-Like Activity and Allergenicity of Reduced Glycated Adduct of Bovine $\beta$ -casein. <i>Protein and Peptide Letters</i> , <b>2017</b> , 24, 46-55	1.9	4
91	A Comparative Study of the Impact of Calcium Ion on Structure, Aggregation and Chaperone Function of Human $\alpha$ -crystallin and its Cataract- Causing R12C Mutant. <i>Protein and Peptide Letters</i> , <b>2017</b> , 24, 1048-1058	1.9	3
90	Preventive role of lens antioxidant defense mechanism against riboflavin-mediated sunlight damaging of lens crystallins. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 895-904	7.9	7
89	Anticancer activity assessment of two novel binuclear platinum (II) complexes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 161, 345-54	6.7	22
88	A novel Tunneling Graphene Nano Ribbon Field Effect Transistor with dual material gate: Numerical studies. <i>Superlattices and Microstructures</i> , <b>2016</b> , 97, 277-286	2.8	8
87	Aspirin-mediated acetylation induces structural alteration and aggregation of bovine pancreatic insulin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 362-75	3.6	5
86	Evaluation of structure, chaperone-like activity and protective ability of peroxynitrite modified human $\beta$ -Crystallin subunits against copper-mediated ascorbic acid oxidation. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 87, 208-21	7.9	23
85	Interaction of prodigiosin with HSA and $\beta$ Lg: Spectroscopic and molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 1504-12	3.4	29
84	Structure, Chaperone Activity, and Aggregation of Wild-Type and R12C Mutant $\beta$ -Crystallins in the Presence of Thermal Stress and Calcium Ion - Implications for Role of Calcium in Cataract Pathogenesis. <i>Biochemistry (Moscow)</i> , <b>2016</b> , 81, 122-34	2.9	5
83	Synthesis of new $\beta$ -aminophosphonate derivatives incorporating benzimidazole, theophylline and adenine nucleobases using L-cysteine functionalized magnetic nanoparticles (LCMNP) as magnetic reusable catalyst: evaluation of their anticancer properties. <i>RSC Advances</i> , <b>2016</b> , 6, 5915-5924	3.7	27
82	Hetero-junction carbon nanotube FET with lightly doped drain and source regions. <i>International Journal of Modern Physics B</i> , <b>2016</b> , 30, 1650005	1.1	1
81	Study on the interaction of three structurally related cationic Pt(II) complexes with human serum albumin: importance of binding affinity and denaturing properties. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 617-630	2	8
80	Assessment of structure, stability and aggregation of soluble lens proteins and alpha-crystallin upon non-enzymatic glycation: The pathomechanisms underlying cataract development in diabetic patients. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 328-38	7.9	17
79	The Structural Alteration and Aggregation of Bovine Lens Gamma-Crystallin by Homocysteinylation; The Pathomechanism Underlying Cataract Development During Hyperhomocysteinemia. <i>Protein and Peptide Letters</i> , <b>2016</b> , 23, 78-86	1.9	3
78	Protective Effects of Acetylation on the Pathological Reactions of the Lens Crystallins with Homocysteine Thiolactone. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164139	3.7	7
77	A modified structure for MOSFET-like carbon nanotube FET. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	3
76	Effect of uniaxial strain on electrical properties of CNT-based junctionless field-effect transistor: Numerical study. <i>Superlattices and Microstructures</i> , <b>2016</b> , 93, 92-100	2.8	13

75	Comparative study on the interaction of two binuclear Pt (II) complexes with human serum albumin: Spectroscopic and docking simulation assessments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 164, 323-334	6.7	17
74	Synthesis of novel poly-hydroxyl functionalized acridine derivatives as inhibitors of $\alpha$ -Glucosidase and $\alpha$ -Amylase. <i>Carbohydrate Research</i> , <b>2015</b> , 411, 22-32	2.9	29
73	Design and synthesis of new antidiabetic $\alpha$ -glucosidase and $\alpha$ -amylase inhibitors based on pyrimidine-fused heterocycles. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3086-3096	2.2	31
72	Novel curcumin-based pyrano[2,3-d]pyrimidine anti-oxidant inhibitors for $\alpha$ -amylase and $\alpha$ -glucosidase: Implications for their pleiotropic effects against diabetes complications. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 46-55	7.9	88
71	Numerical investigation of the tunnel aperture on drag reduction in a high-speed tunneled planing hull. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2015</b> , 37, 1719-1730	2	7
70	The impact of Hydrogen peroxide on structure, stability and functional properties of Human R12C mutant $\lambda$ -crystallin: The imperative insights into pathomechanism of the associated congenital cataract incidence. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 819-30	7.8	19
69	Study of the interaction between two newly synthesized cyclometallated platinum (II) complexes and human serum albumin: Spectroscopic characterization and docking simulation. <i>Journal of Luminescence</i> , <b>2015</b> , 159, 139-146	3.8	28
68	The impact of calcium ion on structure and aggregation propensity of peroxyxynitrite-modified lens crystallins: new insights into the pathogenesis of cataract disorders. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 125, 170-80	6	18
67	The binding assessment with human serum albumin of novel six-coordinate Pt(IV) complexes, containing bidentate nitrogen donor/methyl ligands. <i>Molecular Biology Research Communications</i> , <b>2015</b> , 4, 167-179	1.6	6
66	DNA binding and anticancer activity of novel cyclometalated platinum (II) complexes. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2015</b> , 15, 107-14	2.2	
65	Graphene nanoribbon tunnel field effect transistor with lightly doped drain: Numerical simulations. <i>Superlattices and Microstructures</i> , <b>2014</b> , 75, 245-256	2.8	18
64	Anticancer activity and DNA-binding properties of novel cationic Pt(II) complexes. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 86-96	7.9	42
63	An efficient procedure for the synthesis of phenacyl and benzyl azolium salts using fluorous alcohols. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1189-1196	2	0
62	Investigating the effects of vibration method on ultrasonic-assisted drilling of Al/SiCp metal matrix composites. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2014</b> , 30, 344-350	9.2	62
61	High-speed planing hull drag reduction using tunnels. <i>Ocean Engineering</i> , <b>2014</b> , 84, 54-60	3.9	23
60	Probing the binding of thioTEPA to human serum albumin using spectroscopic and molecular simulation approaches. <i>Canadian Journal of Chemistry</i> , <b>2014</b> , 92, 1066-1073	0.9	3
59	Spectroscopic and Molecular Dynamics Studies on Binding of Dimethylplatinum(II) Complex Drug to Human Serum Albumin. <i>Bulletin of the Chemical Society of Japan</i> , <b>2014</b> , 87, 1094-1100	5.1	2
58	DNA Binding and Anticancer Activity of Novel Cyclometalated Platinum (II) Complexes. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2014</b> , 15, 107-114	2.2	12

57	Synthesis, characterization, anticancer activity, thermal and electrochemical studies of some novel uranyl Schiff base complexes. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 423-429	2	15
56	Magnetic nanoparticles-supported tungstosilicic acid: as an efficient magnetically separable solid acid for the synthesis of benzoazoles in water. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1311-1319	19	17
55	Anticancer and DNA binding activities of platinum (IV) complexes; importance of leaving group departure rate. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 2604-17	3.2	21
54	The species and heme pocket properties of sturgeon hemoglobins upon interaction with N-dodecyl trimethylammonium bromide. <i>Protein and Peptide Letters</i> , <b>2014</b> , 21, 171-8	1.9	1
53	Hydrodynamic analysis techniques for high-speed planing hulls. <i>Applied Ocean Research</i> , <b>2013</b> , 42, 105-113	34	42
52	Potassium sorbate as an AGE activator for human serum albumin in the presence and absence of glucose. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 146-54	7.9	12
51	Synthesis and characterization of some new Schiff base complexes of group 13 elements, ab initio studies, cytotoxicity and reaction with hydrogen peroxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 101, 394-9	4.4	7
50	The improvement of anti-proliferation activity against breast cancer cell line of thioguanine by gold nanoparticles. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 303-311	2.2	4
49	Synthesis of new pyrimidine-fused derivatives as potent and selective antidiabetic $\alpha$ -glucosidase inhibitors. <i>Carbohydrate Research</i> , <b>2013</b> , 380, 81-91	2.9	41
48	Binding study of novel anti-diabetic pyrimidine fused heterocycles to $\alpha$ -lactoglobulin as a carrier protein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 374-9	6	17
47	Correlation of production rate of ornamental stone with rock brittleness indexes. <i>Arabian Journal of Geosciences</i> , <b>2013</b> , 6, 115-121	1.8	25
46	Ranking the sawability of ornamental stone using Fuzzy Delphi and multi-criteria decision-making techniques. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2013</b> , 58, 118-126	6	44
45	Structural analysis and aggregation propensity of reduced and nonreduced glycated insulin adducts. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 170, 623-38	3.2	28
44	Pyrimidine-fused heterocycle derivatives as a novel class of inhibitors for $\alpha$ -glucosidase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1228-35	5.6	28
43	Effect of homocysteinylation on structure, chaperone activity and fibrillation propensity of lens alpha-crystallin. <i>Protein and Peptide Letters</i> , <b>2013</b> , 20, 932-41	1.9	13
42	Aggregation and fibrillation of eye lens crystallins by homocysteinylation; implication in the eye pathological disorders. <i>Protein Journal</i> , <b>2012</b> , 31, 717-27	3.9	18
41	An in vitro study of the role of Boswellic acid in the microtubule assembly dynamics. <i>FEBS Letters</i> , <b>2012</b> , 586, 4132-8	3.8	10
40	A COMPUTATIONAL STUDY OF STRAIN EFFECTS IN THE BAND-TO-BAND-TUNNELING CARBON NANOTUBE FIELD-EFFECT TRANSISTORS. <i>International Journal of Modern Physics B</i> , <b>2012</b> , 26, 1250155	1.1	6

39	The enhancing effect of homocysteine thiolactone on insulin fibrillation and cytotoxicity of insulin fibril. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 291-8	7.9	12
38	A new aspect to chaperone-like activity of bovine $\beta$ -casein by protein-protein interactions study. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 901-7	7.9	2
37	NUMERICAL STUDY OF OHMIC-SCHOTTKY CARBON NANOTUBE FIELD EFFECT TRANSISTOR. <i>Modern Physics Letters B</i> , <b>2012</b> , 26, 1250096	1.6	11
36	Investigation of Reinforced Sic Particles Percentage on Machining Force of Metal Matrix Composite. <i>Modern Applied Science</i> , <b>2012</b> , 6,	1.3	17
35	Structure-cytotoxicity relationship of a novel series of miconazole-like compounds. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 1921-1928	2.2	7
34	The anticancer activity and HSA binding properties of the structurally related platinum (II) complexes. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 861-72	3.2	25
33	Investigation of Ultrasonic-Assisted Drilling of Al/SiC Metal Matrix Composite with Taguchi Method. <i>Key Engineering Materials</i> , <b>2012</b> , 523-524, 215-219	0.4	3
32	THE EFFECT OF CARBON NANOTUBE CHIRALITY ON THE PERFORMANCE OF THE STRAINED TUNNELING CARBON NANOTUBE FETs. <i>Modern Physics Letters B</i> , <b>2012</b> , 26, 1150019	1.6	2
31	Synthesis, characterization, and thermodynamic studies of the interaction of some new water-soluble Schiff-base complexes with bovine serum albumin. <i>Journal of Coordination Chemistry</i> , <b>2012</b> , 65, 722-739	1.6	12
30	Effect of temperature and ionic strength on structure and chaperone activity of glycosylated and non-glycosylated $\alpha$ -crystallins. <i>Protein and Peptide Letters</i> , <b>2012</b> , 19, 450-7	1.9	12
29	Beta casein-micelle as a nano vehicle for solubility enhancement of curcumin; food industry application. <i>LWT - Food Science and Technology</i> , <b>2011</b> , 44, 2166-2172	5.4	258
28	Application of a fuzzy analytical hierarchy process to the prediction of vibration during rock sawing. <i>Mining Science and Technology</i> , <b>2011</b> , 21, 611-619		10
27	Sawability ranking of carbonate rock using fuzzy analytical hierarchy process and TOPSIS approaches. <i>Scientia Iranica</i> , <b>2011</b> , 18, 1106-1115	1.5	19
26	The synergistic chaperoning operation in a Bi-chaperone system consisting of $\alpha$ -crystallin and beta-casein: bovine pancreatic insulin as the target protein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 497-504	6	8
25	Biological activity of camel milk casein following enzymatic digestion. <i>Journal of Dairy Research</i> , <b>2011</b> , 78, 471-8	1.6	83
24	Effect of homocysteine thiolactone on structure and aggregation propensity of bovine pancreatic insulin. <i>Protein Journal</i> , <b>2011</b> , 30, 299-307	3.9	24
23	Aggregation and structural changes of $\beta$ 1-, $\beta$ 2- and $\beta$ -caseins induced by homocysteinylation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2011</b> , 1814, 1234-45	4	31
22	The effect of machining parameters on force signal and tool wear in stone cutting <b>2011</b> ,		2

21	Comparative study on heat stability of camel and bovine apo and holo alpha-lactalbumin. <i>Journal of Dairy Research</i> , <b>2010</b> , 77, 43-9	1.6	29
20	Improvement of the antimicrobial and antioxidant activities of camel and bovine whey proteins by limited proteolysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 3297-302	5.7	93
19	The enhancement effect of beta-boswellic acid on hippocampal neurites outgrowth and branching (an in vitro study). <i>Neurological Sciences</i> , <b>2010</b> , 31, 315-20	3.5	30
18	Numerical Study of Lightly Doped Drain and Source Carbon Nanotube Field Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 765-771	2.9	56
17	Engineering of caseins and modulation of their structures and interactions. <i>Biotechnology Advances</i> , <b>2009</b> , 27, 1124-1131	17.8	11
16	Chaperone-like activities of different molecular forms of beta-casein. Importance of polarity of N-terminal hydrophilic domain. <i>Biopolymers</i> , <b>2009</b> , 91, 623-32	2.2	28
15	Effect of salts and sodium dodecyl sulfate on chaperone activity of camel alphaS(1)-CN: insulin as the target protein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 71, 300-5	6	12
14	Micellisation and immunoreactivities of dimeric beta-caseins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2009</b> , 1794, 1775-83	4	5
13	Enzymatic digestion and antioxidant activity of the native and molten globule states of camel lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , <b>2009</b> , 19, 518-523	3.5	63
12	Dual behavior of sodium dodecyl sulfate as enhancer or suppressor of insulin aggregation and chaperone-like activity of camel alphaS(1)-casein. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 511-7	7.9	8
11	Kinetic characterization of hydrolysis of camel and bovine milk proteins by pancreatic enzymes. <i>International Dairy Journal</i> , <b>2008</b> , 18, 1097-1102	3.5	70
10	Chaperone activities of bovine and camel beta-caseins: Importance of their surface hydrophobicity in protection against alcohol dehydrogenase aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 42, 392-9	7.9	31
9	Structural changes and aggregation process of Cu/containing amine oxidase in the presence of 2,2,2-trifluoroethanol. <i>Protein and Peptide Letters</i> , <b>2008</b> , 15, 521-7	1.9	4
8	Chemometric study of the aggregation of alcohol dehydrogenase and its suppression by beta-caseins: a mechanistic perspective. <i>Analytica Chimica Acta</i> , <b>2008</b> , 613, 40-7	6.6	20
7	Evaluation of growth inhibitory and apoptosis inducing activity of human calprotectin on the human gastric cell line (AGS). <i>Iranian Biomedical Journal</i> , <b>2008</b> , 12, 7-14	2	11
6	Thermal dissection of lentil seedling amine oxidase domains by differential scanning calorimetry. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 1644-9	2.1	2
5	Human calprotectin: effect of calcium and zinc on its secondary and tertiary structures, and role of pH in its thermal stability. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2007</b> , 39, 795-802	2.8	29
4	Fibril formation of lysozyme upon interaction with sodium dodecyl sulfate at pH 9.2. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 60, 55-61	6	31

3	Spectroscopic and cytotoxic studies of the novel designed palladium(II) complexes: beta-lactoglobulin and K562 as the targets. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 381-6	7.9	79
2	Investigation on the surface hydrophobicity and aggregation kinetics of human calprotectin in the presence of calcium. <i>BMB Reports</i> , <b>2005</b> , 38, 407-13	5.5	18
1	Binding analysis of the curcumin-based synthetic alpha-glucosidase inhibitors to beta-lactoglobulin as potential vehicle carrier for antidiabetic drugs. <i>Journal of the Iranian Chemical Society</i> , 1	2	0