

# Saman Hosseinkhani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2560154/publications.pdf>

Version: 2024-02-01

268  
papers

5,835  
citations

81839

39  
h-index

143943

57  
g-index

276  
all docs

276  
docs citations

276  
times ranked

7385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmentally occurring aflatoxins B <sub>1</sub> and M <sub>1</sub> notifyably harms pancreatic islets. <i>Toxin Reviews</i> , 2023, 42, 51-60.	1.5	2
2	Novel enzyme-based electrochemical and colorimetric biosensors for tetracycline monitoring in milk. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 41-50.	1.4	10
3	Semiconductor quantum dots in biomedical opportunities. <i>Journal of Luminescence</i> , 2022, 243, 118626.	1.5	3
4	Split-luciferase complementary assay of NLRP3 PYD-PYD interaction indicates inflammasome formation during inflammation. <i>Analytical Biochemistry</i> , 2022, 638, 114510.	1.1	11
5	Engineering in modern medicine using magnetic nanoparticles in understanding physicochemical interactions at the nano-bio interfaces. <i>Materials Today Chemistry</i> , 2022, 23, 100733.	1.7	5
6	Identification of NLRP3PYD Homo-Oligomerization Inhibitors with Anti-Inflammatory Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1651.	1.8	8
7	Building Polyvalent DNA-Functionalized Anisotropic AuNPs using Poly-Guanine-Mediated <i>In Situ</i> Synthesis for LSPR-Based Assays: Case Study on Oncomir-155. <i>Photochemistry and Photobiology</i> , 2022, 98, 1043-1049.	1.3	2
8	Phenylalanine gold nanoclusters as sensing platform for interfering molecules: a case study of iodide. <i>Scientific Reports</i> , 2022, 12, 2235.	1.6	2
9	TRAIL/S-layer/graphene quantum dot nanohybrid enhanced stability and anticancer activity of TRAIL on colon cancer cells. <i>Scientific Reports</i> , 2022, 12, 5851.	1.6	7
10	Design and preparation of a theranostic peptidetic for targeted cancer therapy: Peptide-based codelivery of doxorubicin/curcumin and graphene quantum dots. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 42, 102544.	1.7	19
11	Estimating the two graph dextran-stearic acid-spermine polymers based on iron oxide nanoparticles as carrier for gene delivery. <i>Biopolymers</i> , 2022, 113, e23491.	1.2	2
12	Zinc binding loop mutations of hSOD1 promote amyloid fibrils under physiological conditions: Implications for initiation of amyotrophic lateral sclerosis. <i>Biochimie</i> , 2022, 199, 170-181.	1.3	8
13	Bio-synthesis of a functionalized whey proteins theranostic nanoprobe with cancer-specific cytotoxicity and as a live/dead cell imaging probe. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114025.	2.0	1
14	Fluorimetric detection of methylated DNA of Sept9 promoter by silver nanoclusters at intrastrand 6C-loop. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119081.	2.0	5
15	Loss of WD2 subdomain of Apaf-1 forms an apoptosome structure which blocks activation of caspase-3 and caspase-9. <i>Biochimie</i> , 2021, 180, 23-29.	1.3	16
16	The effect of dual-frequency ultrasound waves on B16F10 melanoma cells: Sonodynamic therapy using nanoliposomes containing methylene blue. <i>Skin Research and Technology</i> , 2021, 27, 376-384.	0.8	5
17	Transient transfection of WT- $\lambda$ S and A53T- $\lambda$ S brought about a mild apoptosis due to degradation of released cytochrome c through PARC. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 374-384.	3.6	6
18	INVESTIGATION ON THE MECHANICAL, THERMAL, BIO-DEGRADATION, AND BIO-COMPATIBILITY PROPERTIES OF POLY (LACTIC ACID) / POLY (ETHYLENE GLYCOL) BLEND. <i>IJUM Engineering Journal</i> , 2021, 22, 223-233.	0.5	1

#	ARTICLE	IF	CITATIONS
19	A fluorescent aptasensor based on copper nanoclusters for optical detection of CD44 exon v10, an important isoform in metastatic breast cancer. <i>Analytical Methods</i> , 2021, 13, 3837-3844.	1.3	3
20	Potential anticancer activity of a new pro-apoptotic peptideâ€“thioctic acid gold nanoparticle platform. <i>Nanotechnology</i> , 2021, 32, 145101.	1.3	20
21	Efficient Stable Cell Line Generation of Survivin as an In Vitro Model for Specific Functional Analysis in Apoptosis and Drug Screening. <i>Molecular Biotechnology</i> , 2021, 63, 515-524.	1.3	7
22	Colorimetric biosensor for phenylalanine detection based on a paper using gold nanoparticles for phenylketonuria diagnosis. <i>Microchemical Journal</i> , 2021, 163, 105909.	2.3	30
23	Treating MCF7 breast cancer cell with proteasome inhibitor Bortezomib restores apoptotic factors and sensitizes cell to Docetaxel. <i>Medical Oncology</i> , 2021, 38, 64.	1.2	14
24	Induced dysregulation of ACE2 by SARS-CoV-2 plays a key role in COVID-19 severity. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111363.	2.5	39
25	Upregulation of apoptotic protease activating factor-1 expression correlates with anti-tumor effect of taxane drug. <i>Medical Oncology</i> , 2021, 38, 88.	1.2	9
26	MiR-613 Promotes Cell Death in Breast Cancer Cells by Downregulation of Nicotinamide Phosphoribosyltransferase and Reduction of NAD. <i>DNA and Cell Biology</i> , 2021, 40, 1026-1036.	0.9	5
27	Nano-organic supports for enzyme immobilization: Scopes and perspectives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111774.	2.5	125
28	Apoptosome Formation through Disruption of the K192-D616 Salt Bridge in the Apaf-1 Closed Form. <i>ACS Omega</i> , 2021, 6, 22551-22558.	1.6	12
29	In Silico Analysis of Relative Rareness, Codon Usage, and Enzymesubstrate Docking of <i>Lampyroidea Maculata</i> Luciferase. <i>Current Proteomics</i> , 2021, 18, 424-434.	0.1	0
30	Etching of AuNPs Through Superoxide Radical Dismutation by Cu-Zn Superoxide Dismutase Resulted in Remarkable Changes of its Localized Surface Plasmon Resonance. <i>Iranian Journal of Biotechnology</i> , 2021, 19, e2741.	0.3	0
31	Variation in Blood and Colorectal Epitheliaâ€™s Key Trace Elements Along with Expression of Mismatch Repair Proteins from Localized and Metastatic Colorectal Cancer Patients. <i>Biological Trace Element Research</i> , 2020, 194, 66-75.	1.9	15
32	Colorimetric assay of apoptosis through in-situ biosynthesized gold nanoparticles inside living breast cancer cells. <i>Talanta</i> , 2020, 208, 120463.	2.9	10
33	Overexpression of microRNA-375 and microRNA-122 promotes the differentiation of human induced pluripotent stem cells into hepatocyte-like cells. <i>Biologicals</i> , 2020, 63, 24-32.	0.5	13
34	Recent progress in biomedical applications of RGDâ€“based ligand: From precise cancer theranostics to biomaterial engineering: A systematic review. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 839-850.	2.1	99
35	Synthesis, characterization and in vitro toxicity evaluation of doxorubicin-loaded magnetoliposomes on MCF-7 breast cancer cell line. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101447.	1.4	14
36	Naturally Occurring Level of Aflatoxin B <sub>1</sub> Injures Human, Canine and Bovine Leukocytes Through ATP Depletion and Caspase Activation. <i>International Journal of Toxicology</i> , 2020, 39, 30-38.	0.6	17

#	ARTICLE	IF	CITATIONS
37	Construction of a sensitive and specific lead biosensor using a genetically engineered bacterial system with a luciferase gene reporter controlled by pbr and cadA promoters. <i>BioMedical Engineering OnLine</i> , 2020, 19, 79.	1.3	13
38	Virus-directed synthesis of emitting copper nanoclusters as an approach to simple tracer preparation for the detection of Citrus Tristeza Virus through the fluorescence anisotropy immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128634.	4.0	20
39	Development of dual-emission cluster of Ag atoms for genetically modified organisms detection. <i>Mikrochimica Acta</i> , 2020, 187, 628.	2.5	11
40	Determination and evaluation of secondary structure content derived from calcium-induced conformational changes in wild-type and mutant mnemiopsin 2 by synchrotron-based Fourier-transform infrared spectroscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140528.	1.1	1
41	Ternary Nanocomplexes of Metallic Nanoclusters and Recombinant Peptides for Fluorescence Imaging and Enhanced Gene Delivery. <i>Molecular Biotechnology</i> , 2020, 62, 495-507.	1.3	10
42	Effects of doxorubicin and docetaxel on susceptibility to apoptosis in high expression level of survivin in HEK and HEK-S cell lines as in vitro models. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 139-144.	1.0	8
43	The Lumiptosome, an engineered luminescent form of the apoptosome can report cell death by using the same Apaf-1 dependent pathway. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	7
44	Optimization of Experimental Variables Influencing Apoptosome Biosensor in HEK293T Cells. <i>Sensors</i> , 2020, 20, 1782.	2.1	8
45	&lt;p&gt;Development of Dual Functional Nucleic Acid Delivery Nanosystem for DNA Induced Silencing of Bcl-2 Oncogene&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1693-1708.	3.3	19
46	Diphenylalanin nanofibers-inspired synthesis of fluorescent gold nanoclusters for screening of anti-amyloid drugs. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 045002.	1.1	3
47	Epigenetically silenced LINC02381 functions as a tumor suppressor by regulating PI3K-Akt signaling pathway. <i>Biochimie</i> , 2020, 171-172, 63-71.	1.3	27
48	hsa-miR-766-5p as a new regulator of mitochondrial apoptosis pathway for discriminating of cell death from cardiac differentiation. <i>Gene</i> , 2020, 736, 144448.	1.0	7
49	Design, Synthesis and Biological Evaluation of Triptorelin Analogs Containing Tetrazole Moiety. <i>ChemistrySelect</i> , 2020, 5, 1443-1449.	0.7	3
50	Colostrum fails to prevent bovine/camelid neonatal neutrophil damage from AFB <sub>1</sub> . <i>Journal of Immunotoxicology</i> , 2020, 17, 43-50.	0.9	3
51	A novel dual-mode and label-free aptasensor based methodology for breast cancer tissue marker targeting. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128084.	4.0	19
52	Hsa-miR-3658 down-regulates OCT4 gene expression followed by suppressing SW480 cell proliferation and migration. <i>Biochemical Journal</i> , 2020, 477, 2281-2293.	1.7	3
53	Design, Synthesis and In Vitro Anti-Cancer Evaluation of Novel Derivatives of 2-(2-Methyl-1,5-diaryl-1H-pyrrol-3-yl)-2-oxo-N-(pyridin-3-yl)acetamide. <i>Medicinal Chemistry</i> , 2020, 16, 340-349.	0.7	2
54	Stepwise Development of Biomimetic Chimeric Peptides for Gene Delivery. <i>Protein and Peptide Letters</i> , 2020, 27, 698-710.	0.4	2

#	ARTICLE	IF	CITATIONS
55	Effects of Linker Flexibility and Conformational Changes of IP3 Receptor on Split Luciferase Complementation Assay. Iranian Journal of Biotechnology, 2020, 18, e2423.	0.3	0
56	Reversible permeabilization of the mitochondrial membrane promotes human cardiomyocyte differentiation from embryonic stem cells. Journal of Cellular Physiology, 2019, 234, 521-536.	2.0	12
57	In silico design and in vitro characterization of a recombinant antigen for specific recognition of NMP22. International Journal of Biological Macromolecules, 2019, 140, 69-77.	3.6	2
58	&lt;p&gt;Cholesterol-rich lipid-mediated nanoparticles boost of transfection efficiency, utilized for gene editing by CRISPR-Cas9&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 4353-4366.	3.3	40
59	Effect of mutation at positively charged residues (K329 and R330) in a flexible region of firefly luciferase on structure and kinetic properties. Enzyme and Microbial Technology, 2019, 131, 109424.	1.6	2
60	Synthesis of highly fluorescent water-soluble polypyrrole for cell imaging and iodide ion sensing. Analytica Chimica Acta, 2019, 1084, 99-105.	2.6	19
61	Aptamer-Based Fluorescent Biosensing of Adenosine Triphosphate and Cytochrome <i>c</i> via Aggregation-Induced Emission Enhancement on Novel Label-Free DNA-Capped Silver Nanoclusters/Graphene Oxide Nanohybrids. ACS Applied Materials & Interfaces, 2019, 11, 46077-46089.	4.0	40
62	Application of intercalating molecules in detection of methylated DNA in the presence of silver ions. Methods and Applications in Fluorescence, 2019, 7, 035005.	1.1	5
63	A fast and efficient stabilization of firefly luciferase on MIL-53(Al) via surface adsorption mechanism. Research on Chemical Intermediates, 2019, 45, 2489-2501.	1.3	15
64	Inhibition of sirtuin 1 deacetylase by miR-211-5p provides a mechanism for the induction of cell death in breast cancer cells. Gene, 2019, 711, 143939.	1.0	25
65	A new split&lt;math>\epsilon</math>luciferase complementation assay identifies pentachlorophenol as an inhibitor of apoptosome formation. FEBS Open Bio, 2019, 9, 1194-1203.	1.0	11
66	Cloning, characterization and tissue-specific expression of the antimicrobial peptide hepcidin from caspian trout ( <i>Salmo caspius</i> ) and the antibacterial activity of the synthetic peptide. Fish and Shellfish Immunology, 2019, 90, 288-296.	1.6	24
67	Effects of microbial volatile organic compounds on <i>Ganoderma lucidum</i> growth and ganoderic acids production in Co-v-cultures (volatile co-cultures). Preparative Biochemistry and Biotechnology, 2019, 49, 286-297.	1.0	3
68	A novel electrochemical biosensor based on TetX2 monooxygenase immobilized on a nano-porous glassy carbon electrode for tetracycline residue detection. Bioelectrochemistry, 2019, 128, 66-73.	2.4	32
69	Modulation of the competition between renaturation and aggregation of lysozyme by additive mixtures. Biotechnology and Applied Biochemistry, 2019, 67, 330-342.	1.4	1
70	Aptamer-based colorimetric determination of early-stage apoptotic cells via the release of cytochrome c from mitochondria and by exploiting silver/platinum alloy nanoclusters as a peroxidase mimic. Mikrochimica Acta, 2019, 186, 845.	2.5	12
71	The role of SIPK signaling pathway in antioxidant activity and programmed cell death of tobacco cells after exposure to cadmium. Plant Science, 2019, 280, 416-423.	1.7	13
72	Efficient immobilization of firefly luciferase in a metal organic framework: Fe-MIL-88(NH2) as a mighty support for this purpose. Enzyme and Microbial Technology, 2019, 121, 59-67.	1.6	31

#	ARTICLE	IF	CITATIONS
73	MicroRNA-590-3P suppresses cell survival and triggers breast cancer cell apoptosis via targeting sirtuin1 and deacetylation of p53. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 9356-9368.	1.2	42
74	Synthesis and characterization of a novel biocompatible pseudo-hexagonal NaCa-layered double metal hydroxides for smart pH-responsive drug release of dacarbazine and enhanced anticancer activity in malignant melanoma. <i>Materials Science and Engineering C</i> , 2019, 97, 96-102.	3.8	35
75	Genomic and protein structure analysis of the luciferase from the Iranian bioluminescent beetle, <i>Luciola</i> sp.. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 689-698.	3.6	9
76	Preparation of liposomal doxorubicin-graphene nanosheet and evaluation of its <i>in vitro</i> anti-cancer effects. <i>Journal of Liposome Research</i> , 2019, 29, 163-170.	1.5	15
77	A novel report of exosomal electrochemical sensor for sensing micro RNAs by using multi covalent attachment p19 with high sensitivity. <i>Biosensors and Bioelectronics</i> , 2018, 113, 74-81.	5.3	19
78	Mutation of conserved residues K329 and R330 on the surface of firefly luciferase: Effect on proteolytic degradation. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 324-330.	3.6	3
79	Apoptosome formation upon overexpression of native and truncated Apaf-1 in cell-free and cell-based systems. <i>Archives of Biochemistry and Biophysics</i> , 2018, 642, 46-51.	1.4	16
80	Insufficient Apaf-1 expression in early stages of neural differentiation of human embryonic stem cells might protect them from apoptosis. <i>European Journal of Cell Biology</i> , 2018, 97, 126-135.	1.6	20
81	Bioluminescence and kinetic aspects of double mutated aequorin variants. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 163-168.	3.6	1
82	Facile preparation and characterization of new green emitting carbon dots for sensitive and selective off/on detection of Fe <sup>3+</sup> ion and ascorbic acid in water and urine samples and intracellular imaging in living cells. <i>Talanta</i> , 2018, 183, 122-130.	2.9	105
83	A novel BRCA1 gene deletion detection in human breast carcinoma MCF-7 cells through FRET between quantum dots and silver nanoclusters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 152, 81-88.	1.4	43
84	<i>In vivo</i> tumor gene delivery using novel peptidetic: pH-responsive and ligand targeted core-shell nanoassembly. <i>International Journal of Cancer</i> , 2018, 143, 2017-2028.	2.3	21
85	Preparation and optimization of self-assembled chondroitin sulfate-nisin nanogel based on quality by design concept. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2730-2739.	3.6	27
86	Early detection of cell apoptosis by a cytochrome C label-free electrochemiluminescence aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 87-95.	4.0	45
87	One-step synthesis and characterization of highly luminescent nitrogen and phosphorus co-doped carbon dots and their application as highly selective and sensitive nanoprobe for low level detection of uranyl ion in hair and water samples and application to cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 772-782.	4.0	59
88	Bioluminescence-based detection of astrocytes apoptosis and ATP depletion induced by biologically relevant level aflatoxin B1. <i>World Mycotoxin Journal</i> , 2018, 11, 589-598.	0.8	14
89	Effect of Disulfide Bond Incorporation on the Structure and Activity of Endostatin Peptide. <i>Biochemistry (Moscow)</i> , 2018, 83, 1388-1398.	0.7	1
90	Effect of alternating electrical current on denitrifying bacteria in a microbial electrochemical system: biofilm viability and ATP assessment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33591-33598.	2.7	38

#	ARTICLE	IF	CITATIONS
91	Deep Eutectic Solvents as a New Generation of Chemical Chaperones. <i>ChemistrySelect</i> , 2018, 3, 10603-10607.	0.7	9
92	Developing a circularly permuted variant of Renilla luciferase as a bioluminescent sensor for measuring Caspase-9 activity in the cell-free and cell-based systems. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 1032-1039.	1.0	4
93	Human Microglial Cells Undergo Proapoptotic Induction and Inflammatory Activation upon in vitro Exposure to a Naturally Occurring Level of Aflatoxin B<sub>1</sub>. <i>NeuroImmunoModulation</i> , 2018, 25, 176-183.	0.9	31
94	Discrimination of methylated and nonmethylated region of a colorectal cancer related promoter using fluorescence enhancement of gold nanocluster at intrastrand of a 9C-loop. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 045009.	1.1	2
95	Gene Delivery to Tobacco Root Cells with Single-Walled Carbon Nanotubes and Cell-Penetrating Fusogenic Peptides. <i>Molecular Biotechnology</i> , 2018, 60, 863-878.	1.3	50
96	mPEG-PLA and PLA-PEG-PLA nanoparticles as new carriers for delivery of recombinant human Growth Hormone (rhGH). <i>Scientific Reports</i> , 2018, 8, 9854.	1.6	64
97	A colorimetric assay of DNA methyltransferase activity based on peroxidase mimicking of DNA template Ag/Pt bimetallic nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4943-4952.	1.9	36
98	Biostimulation of heterotrophic-autotrophic denitrification in a microbial electrochemical system using alternating electrical current. <i>Journal of Cleaner Production</i> , 2018, 200, 1100-1110.	4.6	33
99	Fluorescence enhancement of silver nanocluster at intrastrand of a 12C-loop in presence of methylated region of sept 9 promoter. <i>Analytica Chimica Acta</i> , 2018, 1038, 157-165.	2.6	19
100	Sequential or multiplex electrochemical detection of miRs based on the p19 function relative to three sandwiches of different structural hybrids on the liposomal sensor. <i>Materials Science and Engineering C</i> , 2018, 92, 703-711.	3.8	6
101	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
102	Structural and functional consequences of EF-hand I recovery in mnemiopsin 2. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2006-2013.	3.6	5
103	The combinational effect of E6/E7 siRNA and anti-miR-182 on apoptosis induction in HPV16-positive cervical cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 727-736.	1.9	11
104	Down-regulation of NAMPT expression by mir-206 reduces cell survival of breast cancer cells. <i>Gene</i> , 2018, 673, 149-158.	1.0	38
105	Efficient Production of Hepatocyte-like Cells from Human-induced Pluripotent Stem Cells by Optimizing Growth Factors. <i>International Journal of Organ Transplantation Medicine</i> , 2018, 9, 77-87.	0.5	1
106	An alternative approach in regulation of expression of a transgene by endogenous miR-145 in carcinoma and normal breast cell lines. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 244-250.	1.4	8
107	Increase of segmental mobility through insertion of a flexible linker in split point of firefly luciferase. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 762-770.	3.6	3
108	Nano-biomimetic carriers are implicated in mechanistic evaluation of intracellular gene delivery. <i>Scientific Reports</i> , 2017, 7, 41507.	1.6	33

#	ARTICLE	IF	CITATIONS
109	Luciferinâ€Regenerating Enzyme Crystal Structure Is Solved but its Function Is Still Unclear. <i>Photochemistry and Photobiology</i> , 2017, 93, 429-435.	1.3	7
110	The Global Ethics Corner: foundations, beliefs, and the teaching of biomedical and scientific ethics around the world. <i>Biochemistry and Molecular Biology Education</i> , 2017, 45, 385-395.	0.5	5
111	Artemin protects cells and proteins against oxidative and salt stress. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 618-624.	3.6	12
112	Structural and functional study of a simple, rapid, and labelâ€free DNAzymeâ€based DNA biosensor for optimization activity. <i>Biopolymers</i> , 2017, 107, e23028.	1.2	5
113	A facile and rapid aptasensor based on split peroxidase DNAzyme for visual detection of carcinoembryonic antigen in saliva. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 794-803.	4.0	40
114	miR-199a-5p and miR-495 target GRP78 within UPR pathway of lung cancer. <i>Gene</i> , 2017, 620, 15-22.	1.0	52
115	Label-free fluorescent detection of microRNA-155 based on synthesis of hairpin DNA-templated copper nanoclusters by etching (top-down approach). <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 133-139.	4.0	77
116	Bifunctional role of leucine 300 of firefly luciferase in structural rigidity. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 67-74.	3.6	14
117	Increase of <i>Bacillus badius</i> Phenylalanine dehydrogenase specificity towards phenylalanine substrate by site-directed mutagenesis. <i>Archives of Biochemistry and Biophysics</i> , 2017, 635, 44-51.	1.4	11
118	Environmentally relevant level of aflatoxin B 1 elicits toxic pro-inflammatory response in murine CNS-derived cells. <i>Toxicology Letters</i> , 2017, 279, 96-106.	0.4	47
119	Histidine substitution in the most flexible fragments of firefly luciferase modifies its thermal stability. <i>Archives of Biochemistry and Biophysics</i> , 2017, 629, 8-18.	1.4	10
120	Enhancement of cell internalization and photostability of red and green emitter quantum dots upon entrapment in novel cationic nanoliposomes. <i>Luminescence</i> , 2017, 32, 517-528.	1.5	16
121	DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 217-223.	4.0	50
122	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> , 2017, 35, 1766-1784.	2.0	13
123	Surface charge modification increases firefly luciferase rigidity without alteration in bioluminescence spectra. <i>Enzyme and Microbial Technology</i> , 2017, 96, 47-59.	1.6	16
124	Impedimetric monitoring of apoptosis using cytochrome-aptamer bioconjugated silver nanocluster. <i>Biosensors and Bioelectronics</i> , 2017, 90, 195-202.	5.3	37
125	Investigation of the effects of carbon-based nanomaterials on A53T alpha-synuclein aggregation using a whole-cell recombinant biosensor. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8831-8840.	3.3	39
126	Structural and dynamical insight into thermally induced functional inactivation of firefly luciferase. <i>PLoS ONE</i> , 2017, 12, e0180667.	1.1	9



#	ARTICLE	IF	CITATIONS
127	Simultaneous Gene Delivery and Tracking through Preparation of Photo-Luminescent Nanoparticles Based on Graphene Quantum Dots and Chimeric Peptides. <i>Scientific Reports</i> , 2017, 7, 9552.	1.6	76
128	Loss in Toxic Function of Aggregates of $\hat{I}^{\pm}$ -Synuclein Mutants by a $\hat{I}^2$ -Synuclein Derived Peptide. <i>Protein and Peptide Letters</i> , 2017, 24, 757-764.	0.4	4
129	Cloning, Expression and Purification of Creatinase. <i>Avicenna Journal of Medical Biotechnology</i> , 2017, 9, 169-175.	0.2	7
130	Enhanced and selective permeability of gold nanoparticles functionalized with cell penetrating peptide derived from maurocalcine animal toxin. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2693-2700.	2.1	23
131	Surface Arginine Saturation Effect on Unfolding Reaction of Firefly Luciferase: A Thermodynamic and Kinetic Perspective. <i>Photochemistry and Photobiology</i> , 2016, 92, 688-693.	1.3	1
132	Experimental evidences for hsa-miR-497-5p as a negative regulator of SMAD3 gene expression. <i>Gene</i> , 2016, 586, 216-221.	1.0	28
133	Real-time monitoring of artemin in vivo chaperone activity using luciferase as an intracellular reporter. <i>Archives of Biochemistry and Biophysics</i> , 2016, 610, 33-40.	1.4	9
134	Hybridoma as a specific, sensitive, and ready to use sensing element: a rapid fluorescence assay for detection of <i>Vibrio cholerae</i> O1. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6443-6451.	1.9	6
135	Tuning the anticancer activity of a novel pro-apoptotic peptide using gold nanoparticle platforms. <i>Scientific Reports</i> , 2016, 6, 31030.	1.6	76
136	Development of a Targeted anti-HER2 scFv Chimeric Peptide for Gene Delivery into HER2-Positive Breast Cancer Cells. <i>International Journal of Pharmaceutics</i> , 2016, 515, 632-643.	2.6	30
137	Development of novel recombinant biomimetic chimeric MPG-based peptide as nanocarriers for gene delivery: Imitation of a real cargo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 191-204.	2.0	29
138	Hydrophobin $\hat{E}1$ promotes thermostability of firefly luciferase. <i>FEBS Journal</i> , 2016, 283, 2494-2507.	2.2	13
139	Detection of Early Stage Apoptotic Cells Based on Label-Free Cytochrome c Assay Using Bioconjugated Metal Nanoclusters as Fluorescent Probes. <i>Analytical Chemistry</i> , 2016, 88, 2188-2197.	3.2	91
140	Proposed ionic bond between Arg300 and Glu270 and Glu271 are not involved in inactivation of a mutant firefly luciferase (LRR). <i>Enzyme and Microbial Technology</i> , 2016, 86, 17-24.	1.6	3
141	Quality of Oocytes Derived from Vitrified Ovarian Follicles Cultured in Two- and Three-Dimensional Culture System in the Presence and Absence of Kit Ligand. <i>Biopreservation and Biobanking</i> , 2016, 14, 279-288.	0.5	16
142	Short-term ursolic acid promotes skeletal muscle rejuvenation through enhancing of SIRT1 expression and satellite cells proliferation. <i>Biomedicine and Pharmacotherapy</i> , 2016, 78, 185-196.	2.5	26
143	A luminescent hybridoma-based biosensor for rapid detection of <i>V. cholerae</i> upon induction of calcium signaling pathway. <i>Biosensors and Bioelectronics</i> , 2016, 79, 213-219.	5.3	14
144	Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization. <i>Analytica Chimica Acta</i> , 2016, 904, 92-97.	2.6	152

#	ARTICLE	IF	CITATIONS
145	Decreased gene expression activity as a result of a mutation in the calreticulin gene promoter in a family case of schizoaffective disorder. <i>Cognitive Neurodynamics</i> , 2016, 10, 269-274.	2.3	3
146	Heterologous expression of a hydrophobin HFB1 and evaluation of its contribution to producing stable foam. <i>Protein Expression and Purification</i> , 2016, 118, 25-30.	0.6	19
147	Differentiation of Definitive Endoderm from Human Induced Pluripotent Stem Cells on hMSCs Feeder in a Defined Medium. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 2-8.	0.2	25
148	The Effect of Surface Charge Saturation on Heat-Induced Aggregation of Firefly Luciferase. <i>Photochemistry and Photobiology</i> , 2015, 91, 1156-1164.	1.3	1
149	Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis. <i>Biosensors and Bioelectronics</i> , 2015, 73, 108-113.	5.3	84
150	Luciferin-Regenerating Enzyme Mediates Firefly Luciferase Activation Through Direct Effects of D-Cysteine on Luciferase Structure and Activity. <i>Photochemistry and Photobiology</i> , 2015, 91, 828-836.	1.3	15
151	Impact of trifluoroethanol-induced structural changes on luciferase cleavage sites. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 144, 1-7.	1.7	9
152	Kit ligand decreases the incidence of apoptosis in cultured vitrified whole mouse ovaries. <i>Reproductive BioMedicine Online</i> , 2015, 30, 493-503.	1.1	15
153	Investigation of oxidative phosphorylation in continuous cultures. A non-equilibrium thermodynamic approach to energy transduction for <i>Escherichia coli</i> in aerobic condition. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2015, 40, 41-48.	2.4	1
154	Oscillation of apoptosome formation through assembly of truncated Apaf-1. <i>European Journal of Pharmacology</i> , 2015, 760, 64-71.	1.7	9
155	Hyperactive Arg39Lys mutated mnemiopsin: implication of positively charged residue in chromophore binding cavity. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 792-800.	1.6	6
156	Ursolic acid ameliorates aging-metabolic phenotype through promoting of skeletal muscle rejuvenation. <i>Medical Hypotheses</i> , 2015, 85, 1-6.	0.8	40
157	Hydrogen peroxide sensitive hemoglobin-capped gold nanoclusters as a fluorescence enhancing sensor for the label-free detection of glucose. <i>RSC Advances</i> , 2015, 5, 33123-33135.	1.7	46
158	Highly Stereoselective Synthesis of Isoindole Derivatives Containing an Azetidinone Ring. <i>Synlett</i> , 2015, 26, 2277-2279.	1.0	12
159	Role of the salt bridge between glutamate 546 and arginine 907 in preservation of autoinhibited form of Apaf-1. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 370-374.	3.6	14
160	Conjugated linoleic acid production from various substrates by probiotic <i>Lactobacillus plantarum</i> . <i>Annals of Microbiology</i> , 2015, 65, 27-32.	1.1	22
161	Evaluation of Cell Penetrating Peptide Delivery System on HPV16E7 Expression in Three Types of Cell Line. <i>Iranian Journal of Biotechnology</i> , 2015, 13, 55-62.	0.3	8
162	Implication of Disulfide Bridge Induced Thermal Reversibility, Structural and Functional Stability for Luciferase. <i>Protein and Peptide Letters</i> , 2014, 22, 23-30.	0.4	6

#	ARTICLE	IF	CITATIONS
163	Effect of GTP and GDP nucleotides on vinblastine binding affinity to tubulin: a DFT study. <i>Physics and Chemistry of Liquids</i> , 2014, 52, 556-561.	0.4	0
164	Magnetic Nanoparticles Supported Ionic Liquids Improve Firefly Luciferase Properties. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3116-3127.	1.4	9
165	Quenching effect of deferoxamine on free radical-mediated photon production in luminol and ortho-phenanthroline-dependent chemiluminescence. <i>Chinese Chemical Letters</i> , 2014, 25, 630-634.	4.8	12
166	DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2014, 60, 35-44.	5.3	72
167	Evaluation of apoptosis in long-term culture of vitrified mouse whole ovaries. <i>Research in Veterinary Science</i> , 2014, 96, 1-4.	0.9	7
168	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1082-1092.	1.6	29
169	Directed Improvement of Luciferin Regenerating Enzyme Binding Properties: Implication of Some Conserved Residues in Luciferin Binding Domain. <i>Photochemistry and Photobiology</i> , 2014, 90, 1293-1298.	1.3	10
170	Split-luciferase complementary assay: applications, recent developments, and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5541-5560.	1.9	86
171	Delay in Apoptosome Formation Attenuates Apoptosis in Mouse Embryonic Stem Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2014, 289, 16905-16913.	1.6	35
172	A comparative study of osteogenic differentiation human induced pluripotent stem cells and adipose tissue derived mesenchymal stem cells. <i>Cell Journal</i> , 2014, 16, 235-44.	0.2	42
173	Mitochondrial Distribution and ATP Content of Vitrified, In vitro Matured Mouse Oocytes. <i>Avicenna Journal of Medical Biotechnology</i> , 2014, 6, 210-7.	0.2	20
174	Nanofiber-based polyethersulfone scaffold and efficient differentiation of human induced pluripotent stem cells into osteoblastic lineage. <i>Molecular Biology Reports</i> , 2013, 40, 4287-4294.	1.0	78
175	Static magnetic field of 6 mT induces apoptosis and alters cell cycle in p53 mutant Jurkat cells. <i>Electromagnetic Biology and Medicine</i> , 2013, 32, 9-19.	0.7	20
176	Structural and functional effects of circular permutation on firefly luciferase: In vitro assay of caspase 3/7. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 336-342.	3.6	6
177	Effects of 940 MHz EMF on luciferase solution: Structure, function, and dielectric studies. <i>Bioelectromagnetics</i> , 2013, 34, 489-498.	0.9	15
178	Stabilisation of Recombinant Aequorin by Polyols: Activity, Thermostability and Limited Proteolysis. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 273-280.	1.4	9
179	Biased Homozygous Haplotypes Across the Human Caveolin 1 Upstream Purine Complex in Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 389-393.	1.1	18
180	A novel luminescent biosensor for rapid monitoring of IP3 by split-luciferase complementary assay. <i>Biosensors and Bioelectronics</i> , 2013, 41, 642-648.	5.3	37

#	ARTICLE	IF	CITATIONS
181	Step-wise addition of disulfide bridge in firefly luciferase controls color shift through a flexible loop: a thermodynamic perspective. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 298-308.	1.6	12
182	Lipid composition of cationic nanoliposomes implicate on transfection efficiency. <i>Journal of Liposome Research</i> , 2013, 23, 174-186.	1.5	17
183	Characterization of Zwitterionic Phosphatidylcholine-Based Bilayer Vesicles as Efficient Self-Assembled Virus-Like Gene Carriers. <i>Molecular Biotechnology</i> , 2013, 55, 120-130.	1.3	2
184	Water-miscible ionic liquids as novel effectors for the firefly luciferase reaction. <i>Engineering in Life Sciences</i> , 2013, 13, 201-209.	2.0	4
185	Site-directed mutagenesis of photoprotein mnemiopsin: implication of some conserved residues in bioluminescence properties. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 467-478.	1.6	13
186	Implication of Arg213 and Arg337 on the kinetic and structural stability of firefly luciferase. <i>International Journal of Biological Macromolecules</i> , 2013, 52, 157-163.	3.6	3
187	Gamma radiation alters cell cycle and induces apoptosis in p53 mutant E6.1 Jurkat cells. <i>Applied Radiation and Isotopes</i> , 2013, 71, 29-33.	0.7	7
188	The effect of vitrification and in vitro culture on the adenosine triphosphate content and mitochondrial distribution of mouse pre-implantation embryos. <i>Iranian Biomedical Journal</i> , 2013, 17, 123-8.	0.4	2
189	Steroid Production and Follicular Development of Neonatal Mouse Ovary during in vitro Culture. <i>International Journal of Fertility &amp; Sterility</i> , 2013, 7, 181-6.	0.2	6
190	Stability studies of chitosan-DNA-FAP-B nanoparticles for gene delivery to lung epithelial cells. <i>Acta Pharmaceutica</i> , 2012, 62, 83-92.	0.9	11
191	Mitochondrial complex I deficiency and ATP/ADP ratio in lymphocytes of amyotrophic lateral sclerosis patients. <i>Neurological Research</i> , 2012, 34, 297-303.	0.6	54
192	Renilla luciferase-labeled Annexin V: a new probe for detection of apoptotic cells. <i>Analyst, The</i> , 2012, 137, 5062.	1.7	22
193	Aberrant expression of Activating Transcription Factor 6 (ATF6) in major psychiatric disorders. <i>Psychiatry Research</i> , 2012, 200, 1086-1087.	1.7	3
194	How benzene and its metabolites affect human marrow derived mesenchymal stem cells. <i>Toxicology Letters</i> , 2012, 214, 145-153.	0.4	17
195	Controversial effect of two methylguanidine-based ionic liquids on firefly luciferase. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 828-834.	1.6	9
196	Core promoter STRs: Novel mechanism for inter-individual variation in gene expression in humans. <i>Gene</i> , 2012, 492, 195-198.	1.0	25
197	Haplotypes across the human caveolin 1 gene upstream purine complex significantly alter gene expression: Implication in neurodegenerative disorders. <i>Gene</i> , 2012, 505, 186-189.	1.0	3
198	Delicate balance of electrostatic interactions and disulfide bridges in thermostability of firefly luciferase. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 837-844.	3.6	7

#	ARTICLE	IF	CITATIONS
199	Design and development of a whole-cell luminescent biosensor for detection of early-stage of apoptosis. <i>Biosensors and Bioelectronics</i> , 2012, 38, 362-368.	5.3	59
200	Implication of an unfavorable residue (Thr346) in intrinsic flexibility of firefly luciferase. <i>Enzyme and Microbial Technology</i> , 2012, 51, 186-192.	1.6	7
201	The evaluation of <i>Candida albicans</i> biofilms formation on silicone catheter, PVC and glass coated with titanium dioxide nanoparticles by XTT method and ATPase assay. <i>Bratislava Medical Journal</i> , 2012, 113, 707-711.	0.4	15
202	Improvement of Thermostability and Activity of Firefly Luciferase Through [TMG][Ac] Ionic Liquid Mediator. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 604-615.	1.4	16
203	Design, engineering and preparation of a multi-domain fusion vector for gene delivery. <i>International Journal of Pharmaceutics</i> , 2012, 427, 393-399.	2.6	39
204	Design of disulfide bridge as an alternative mechanism for color shift in firefly luciferase and development of secreted luciferase. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1203-1215.	1.6	42
205	EXPRESSION ANALYSIS AND PURIFICATION OF HUMAN RECOMBINANT TISSUE TYPE PLASMINOGEN ACTIVATOR (rt-PA) FROM TRANSGENIC TOBACCO PLANTS. <i>Preparative Biochemistry and Biotechnology</i> , 2011, 41, 175-186.	1.0	11
206	A unique EF-hand motif in mnemiopsin photoprotein from <i>Mnemiopsis leidyi</i> : Implication for its low calcium sensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 164-170.	1.0	28
207	Deletion of extra C-terminal segment and its effect on the function and structure of artemin. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 311-316.	3.6	15
208	Prevention of thermal aggregation of an allosteric protein by small molecules: Some mechanistic insights. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 806-813.	3.6	12
209	Support for down-tuning of the calreticulin gene in the process of human evolution. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1770-1773.	2.5	15
210	Preparation, characterization, and efficient transfection of cationic liposomes and nanomagnetic cationic liposomes. <i>International Journal of Nanomedicine</i> , 2011, 6, 2275.	3.3	29
211	Design of a Coupled Bioluminescent Assay for a Recombinant Pyruvate Kinase from a Thermophilic <i>Geobacillus</i> . <i>Photochemistry and Photobiology</i> , 2011, 87, 1338-1345.	1.3	9
212	In vivo transfection study of chitosan-DNA-FAP-B nanoparticles as a new non viral vector for gene delivery to the lung. <i>International Journal of Pharmaceutics</i> , 2011, 421, 183-188.	2.6	34
213	Enhancement of a bacterial laccase thermostability through directed mutagenesis of a surface loop. <i>Enzyme and Microbial Technology</i> , 2011, 49, 446-452.	1.6	62
214	Construction and Characterization of <i>Escherichia coli</i> Whole-Cell Biosensors for Toluene and Related Compounds. <i>Current Microbiology</i> , 2011, 62, 690-696.	1.0	36
215	Molecular enigma of multicolor bioluminescence of firefly luciferase. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1167-1182.	2.4	148
216	Effects of Sucrose and Trehalose on Stability, Kinetic Properties, and Thermal Aggregation of Firefly Luciferase. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 572-582.	1.4	15

#	ARTICLE	IF	CITATIONS
217	$\alpha$ -L-carnitine improves oxidative stress and suppressed energy metabolism but not renal dysfunction following release of acute unilateral ureteral obstruction in rat. <i>Neurourology and Urodynamics</i> , 2011, 30, 480-487.	0.8	14
218	Preparation and evaluation of chitosan-DNA-FAP-B nanoparticles as a novel non-viral vector for gene delivery to the lung epithelial cells. <i>International Journal of Pharmaceutics</i> , 2011, 409, 307-313.	2.6	40
219	The effect of surface charge balance on thermodynamic stability and kinetics of refolding of firefly luciferase. <i>BMB Reports</i> , 2011, 44, 102-106.	1.1	9
220	Role of charge distribution in a flexible loop on bioluminescence color of firefly luciferase: a lesson from nature. <i>FASEB Journal</i> , 2011, 25, 909.6.	0.2	0
221	Comparison of the effects of L-carnitine and $\alpha$ -tocopherol on acute ureteral obstruction-induced renal oxidative imbalance and altered energy metabolism in rats. <i>Urological Research</i> , 2010, 38, 187-194.	1.5	21
222	Roles of trehalose and magnesium sulfate on structural and functional stability of firefly luciferase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 127-132.	1.8	27
223	RACE-based amplification of cDNA and expression of a luciferin-regenerating enzyme (LRE): An attempt towards persistent bioluminescent signal. <i>Enzyme and Microbial Technology</i> , 2010, 47, 159-165.	1.6	20
224	Design and Characterization of an Aequorin-based Bacterial Biosensor for Detection of Toluene and Related Compounds. <i>Photochemistry and Photobiology</i> , 2010, 86, 1071-1075.	1.3	12
225	Design and introduction of a disulfide bridge in firefly luciferase: increase of thermostability and decrease of pH sensitivity. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1167-1177.	1.6	53
226	Relationship between stability and bioluminescence color of firefly luciferase. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 376-383.	1.6	16
227	The effect of hot-tub therapy on serum Hsp70 level and its benefit on diabetic rats: A preliminary report. <i>International Journal of Hyperthermia</i> , 2010, 26, 577-585.	1.1	33
228	Purification and characterization of a thermostable phytate resistant $\alpha$ -amylase from <i>Geobacillus</i> sp. LH8. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 27-36.	3.6	53
229	A Novel Mitochondrial Heteroplasmic C13806A Point Mutation Associated with Iranian Friedreich's Ataxia. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 225-233.	1.7	13
230	Limited Proteolysis of Luciferase as a Reporter in Nanosystem Biology: A Comparative Study. <i>Photochemistry and Photobiology</i> , 2009, 85, 1162-1167.	1.3	13
231	Extensive biodegradation of highly chlorinated biphenyl and Aroclor 1242 by <i>Pseudomonas aeruginosa</i> TMU56 isolated from contaminated soils. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 788-794.	1.9	40
232	Luciferase protection against proteolytic degradation: A key for improving signal in nano-system biology. <i>Journal of Biotechnology</i> , 2009, 144, 83-88.	1.9	11
233	Restoring 3' to 5' exonuclease activity of thermophilic <i>Geobacillus</i> DNA polymerase I using site-directed mutagenesis in active site. <i>Journal of Biotechnology</i> , 2009, 144, 245-252.	1.9	7
234	Molecular cloning, expression and sequence analysis of DNA polymerase I from an Iranian thermophilic bacterium, <i>Bacillus</i> sp. G (2006). <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 831-837.	1.2	0

#	ARTICLE	IF	CITATIONS
235	Comparative proteomics analysis of male and female Persian sturgeon ( <i>Acipenser persicus</i> ) gonads. <i>Animal Reproduction Science</i> , 2009, 111, 361-368.	0.5	23
236	The effective role of positive charge saturation in bioluminescence color and thermostability of firefly luciferase. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 847-855.	1.6	41
237	Complex I and ATP Content Deficiency in Lymphocytes from Friedreich's Ataxia. <i>Canadian Journal of Neurological Sciences</i> , 2009, 36, 26-31.	0.3	39
238	Association between trinucleotide CAG repeats of the DNA polymerase gene (POLG) with age of onset of Iranian Friedreich's ataxia patients. <i>Neurological Sciences</i> , 2008, 29, 489-493.	0.9	8
239	Spectroscopic and functional characterization of <i>Lampyris turkestanicus</i> luciferase: a comparative study. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 365-374.	0.9	22
240	Stabilization of firefly luciferase against thermal stress by osmolytes. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 187-191.	3.6	36
241	Delay expression of limonoid UDP-glucosyltransferase makes delayed bitterness in citrus. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 59-62.	1.0	20
242	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
243	Application of zero-length cross-linking to form lysozyme, horseradish peroxidase and lysozyme-peroxidase dimers: Activity and stability. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 624-630.	3.6	6
244	Expression, purification and immobilization of firefly luciferase on alkyl-substituted Sepharose 4B. <i>Enzyme and Microbial Technology</i> , 2007, 40, 740-746.	1.6	21
245	Digestive proteolytic and amylolytic activities in <i>Trogoderma granarium</i> Everts (Dermestidae). <i>Tj ETQq1 1 0.784314 rrgBT /Overlock 10 T</i>	1.2	36
246	A Study of Varicella Zoster Virus Glycoprotein C Regulatory Region Response to Viral Activators in vitro. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 2140-2145.	0.2	1
247	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
248	Effects of water-miscible solvents and polyhydroxy compounds on the structure and enzymatic activity of thermolysin. <i>Journal of Biotechnology</i> , 2006, 127, 45-53.	1.9	37
249	Comparative proteomic analysis of mouse embryonic stem cells and neonatal-derived cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1041-1049.	1.0	25
250	Stepwise modification of lysine residues of glucose oxidase with citraconic anhydride. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 192-196.	3.6	15
251	Comparison of the molten globule states of thermophilic and mesophilic $\alpha$ -amylases. <i>Biophysical Chemistry</i> , 2006, 122, 58-65.	1.5	15
252	Acidic and proteolytic digestion of $\alpha$ -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

#	ARTICLE	IF	CITATIONS
253	Kinetic Properties of Extracted Lactate Dehydrogenase and Creatine Kinase from Mouse Embryonic Stem Cell- and Neonatal-derived Cardiomyocytes. <i>BMB Reports</i> , 2006, 39, 426-431.	1.1	5
254	cDNA Cloning, Expression and Homology Modeling of a Luciferase from the Firefly <i>Lampyroidea maculata</i> . <i>BMB Reports</i> , 2006, 39, 578-585.	1.1	18
255	Interaction of Native and Apo-carbonic Anhydrase with Hydrophobic Adsorbents: A Comparative Structure-function Study. <i>BMB Reports</i> , 2006, 39, 636-641.	1.1	7
256	Random mutagenesis of bacterial luciferase: critical role of Glu175 in the control of luminescence decay. <i>Biochemical Journal</i> , 2005, 385, 575-580.	1.7	36
257	Biochemical characterization of alpha-amylase of the Sunn pest, <i>Eurygaster integriceps</i> . <i>Entomological Science</i> , 2005, 8, 371-377.	0.3	61
258	Implication of a critical residue (Glu175) in structure and function of bacterial luciferase. <i>FEBS Letters</i> , 2005, 579, 4701-4706.	1.3	20
259	A amylase activity of nymphal stages of sunn pest, <i>Eurygaster integriceps</i> Puton (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 462	0.8	1
260	Digestive proteinase activity of the Khapra beetle, <i>Trogoderma granarium</i> Everts (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.0	1
261	Molecular cloning, sequence analysis, and expression of a cDNA encoding the luciferase from the glow-worm, <i>Lampyris turkestanicus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 215-222.	1.0	55
262	Chemical modification of glucose oxidase: possible formation of molten globule-like intermediate structure. <i>FEBS Letters</i> , 2004, 561, 213-216.	1.3	22
263	Interaction of Glucose Oxidase With Alkyl-Substituted Sepharose 4B. <i>Applied Biochemistry and Biotechnology</i> , 2003, 110, 165-174.	1.4	8
264	The Structural and Functional Studies of His119 and His12 in RNase A via Chemical Modification. <i>The Protein Journal</i> , 2003, 22, 643-654.	1.1	13
265	Adsorptive immobilization of bacterial luciferases on alkyl-substituted Sepharose 4B. <i>Enzyme and Microbial Technology</i> , 2003, 32, 186-193.	1.6	13
266	Partial unfolding of carbonic anhydrase provides a method for its immobilization on hydrophobic adsorbents and protects it against irreversible thermoinactivation. <i>Enzyme and Microbial Technology</i> , 2003, 33, 179-184.	1.6	60
267	Use of Reversible Denaturation for Adsorptive Immobilization of Urease. <i>Applied Biochemistry and Biotechnology</i> , 2001, 94, 265-278.	1.4	18
268	Bridging from Metallic Nanoclusters to Biomedical in Understanding Physicochemical Interactions at the Nano-Bio Interface. <i>Particle and Particle Systems Characterization</i> , 0, , 2100202.	1.2	3