

# Saman Hosseinkhani

## List of Publications by Year in descending order

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268  
papers

5,835  
citations

81900

39  
h-index

144013

57  
g-index

276  
all docs

276  
docs citations

276  
times ranked

7385  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.4	152
2	Molecular enigma of multicolor bioluminescence of firefly luciferase. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1167-1182.	5.4	148
3	Nano-organic supports for enzyme immobilization: Scopes and perspectives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111774.	5.0	125
4	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.	5.5	105
5	Recent progress in biomedical applications of RGD-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.	4.0	99
6	The Influence of Insertion of a Critical Residue (Arg356) in Structure and Bioluminescence Spectra of Firefly Luciferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 8641-8647.	3.4	92
7	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.	6.5	91
8	Split-luciferase complementary assay: applications, recent developments, and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5541-5560.	3.7	86
9	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.	10.1	84
10	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.	2.3	78
11	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.	7.8	77
12	Tuning the anticancer activity of a novel pro-apoptotic peptide using gold nanoparticle platforms. <i>Scientific Reports</i> , 2016, 6, 31030.	3.3	76
13	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.	3.3	76
14	DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2014, 60, 35-44.	10.1	72
15	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.	3.3	64
16	Enhancement of a bacterial laccase thermostability through directed mutagenesis of a surface loop. <i>Enzyme and Microbial Technology</i> , 2011, 49, 446-452.	3.2	62
17	Biochemical characterization of alpha-amylase of the Sunn pest, <i>Eurygaster integriceps</i> . <i>Entomological Science</i> , 2005, 8, 371-377.	0.6	61
18	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.	3.2	60

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19	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.	10.1	59
20	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.	7.8	59
21	Digestive proteolytic and amylolytic activities in <i>Trogoderma granarium</i> Everts (Dermestidae:). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	2.8	56
22	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.	2.1	55
23	Mitochondrial complex I deficiency and ATP/ADP ratio in lymphocytes of amyotrophic lateral sclerosis patients. <i>Neurological Research</i> , 2012, 34, 297-303.	1.3	54
24	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.	2.9	53
25	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.	7.5	53
26	miR-199a-5p and miR-495 target GRP78 within UPR pathway of lung cancer. <i>Gene</i> , 2017, 620, 15-22.	2.2	52
27	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.	7.8	50
28	Gene Delivery to Tobacco Root Cells with Single-Walled Carbon Nanotubes and Cell-Penetrating Fusogenic Peptides. <i>Molecular Biotechnology</i> , 2018, 60, 863-878.	2.4	50
29	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.	0.8	47
30	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.	3.6	46
31	Early detection of cell apoptosis by a cytochrome C label-free electrochemiluminescence aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 87-95.	7.8	45
32	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.	2.8	43
33	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.	6.7	43
34	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.	2.9	42
35	MicroRNA-590-3p suppresses cell survival and triggers breast cancer cell apoptosis via targeting sirtuin-1 and deacetylation of p53. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 9356-9368.	2.6	42
36	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

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37	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.	2.9	41
38	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.	3.9	40
39	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.	5.2	40
40	Ursolic acid ameliorates aging-metabolic phenotype through promoting of skeletal muscle rejuvenation. <i>Medical Hypotheses</i> , 2015, 85, 1-6.	1.5	40
41	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.	7.8	40
42	&lt;p&gt;Cholesterol-rich lipid-mediated nanoparticles boost of transfection efficiency, utilized for gene editing by CRISPR-Cas9&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4353-4366.	6.7	40
43	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46077-46089.	8.0	40
44	Complex I and ATP Content Deficiency in Lymphocytes from Friedreich's Ataxia. <i>Canadian Journal of Neurological Sciences</i> , 2009, 36, 26-31.	0.5	39
45	Design, engineering and preparation of a multi-domain fusion vector for gene delivery. <i>International Journal of Pharmaceutics</i> , 2012, 427, 393-399.	5.2	39
46	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.	6.7	39
47	Induced dysregulation of ACE2 by SARS-CoV-2 plays a key role in COVID-19 severity. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111363.	5.6	39
48	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.	5.3	38
49	Down-regulation of NAMPT expression by mir-206 reduces cell survival of breast cancer cells. <i>Gene</i> , 2018, 673, 149-158.	2.2	38
50	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.	3.8	37
51	A novel luminescent biosensor for rapid monitoring of IP3 by split-luciferase complementary assay. <i>Biosensors and Bioelectronics</i> , 2013, 41, 642-648.	10.1	37
52	Impedimetric monitoring of apoptosis using cytochrome-aptamer bioconjugated silver nanocluster. <i>Biosensors and Bioelectronics</i> , 2017, 90, 195-202.	10.1	37
53	Random mutagenesis of bacterial luciferase: critical role of Glu175 in the control of luminescence decay. <i>Biochemical Journal</i> , 2005, 385, 575-580.	3.7	36
54	Stabilization of firefly luciferase against thermal stress by osmolytes. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 187-191.	7.5	36

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55	Construction and Characterization of Escherichia coli Whole-Cell Biosensors for Toluene and Related Compounds. <i>Current Microbiology</i> , 2011, 62, 690-696.	2.2	36
56	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.	3.7	36
57	Delay in Apoptosome Formation Attenuates Apoptosis in Mouse Embryonic Stem Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2014, 289, 16905-16913.	3.4	35
58	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.	7.3	35
59	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.	5.2	34
60	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.	2.5	33
61	Nano-biomimetic carriers are implicated in mechanistic evaluation of intracellular gene delivery. <i>Scientific Reports</i> , 2017, 7, 41507.	3.3	33
62	Biostimulation of heterotrophic-autotrophic denitrification in a microbial electrochemical system using alternating electrical current. <i>Journal of Cleaner Production</i> , 2018, 200, 1100-1110.	9.3	33
63	A novel electrochemical biosensor based on TetX2 monooxygenase immobilized on a nano-porous glassy carbon electrode for tetracycline residue detection. <i>Bioelectrochemistry</i> , 2019, 128, 66-73.	4.6	32
64	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.	1.8	31
65	Efficient immobilization of firefly luciferase in a metal organic framework: Fe-MIL-88(NH <sub>2</sub> ) as a mighty support for this purpose. <i>Enzyme and Microbial Technology</i> , 2019, 121, 59-67.	3.2	31
66	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.	5.2	30
67	Colorimetric biosensor for phenylalanine detection based on a paper using gold nanoparticles for phenylketonuria diagnosis. <i>Microchemical Journal</i> , 2021, 163, 105909.	4.5	30
68	Preparation, characterization, and efficient transfection of cationic liposomes and nanomagnetic cationic liposomes. <i>International Journal of Nanomedicine</i> , 2011, 6, 2275.	6.7	29
69	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.	2.9	29
70	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.	4.3	29
71	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.	2.1	28
72	Experimental evidences for hsa-miR-497-5p as a negative regulator of SMAD3 gene expression. <i>Gene</i> , 2016, 586, 216-221.	2.2	28

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73	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
74	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.	7.5	27
75	Epigenetically silenced LINC02381 functions as a tumor suppressor by regulating PI3K-Akt signaling pathway. <i>Biochimie</i> , 2020, 171-172, 63-71.	2.6	27
76	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.	5.6	26
77	Comparative proteomic analysis of mouse embryonic stem cells and neonatal-derived cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1041-1049.	2.1	25
78	Core promoter STRs: Novel mechanism for inter-individual variation in gene expression in humans. <i>Gene</i> , 2012, 492, 195-198.	2.2	25
79	Inhibition of sirtuin 1 deacetylase by miR-211-5p provides a mechanism for the induction of cell death in breast cancer cells. <i>Gene</i> , 2019, 711, 143939.	2.2	25
80	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.	0.3	25
81	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. <i>Fish and Shellfish Immunology</i> , 2019, 90, 288-296.	3.6	24
82	Comparative proteomics analysis of male and female Persian sturgeon ( <i>Acipenser persicus</i> ) gonads. <i>Animal Reproduction Science</i> , 2009, 111, 361-368.	1.5	23
83	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.	4.0	23
84	Chemical modification of glucose oxidase: possible formation of molten globule-like intermediate structure. <i>FEBS Letters</i> , 2004, 561, 213-216.	2.8	22
85	Spectroscopic and functional characterization of <i>Lampyris turkestanicus</i> luciferase: a comparative study. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 365-374.	2.0	22
86	Renilla luciferase-labeled Annexin V: a new probe for detection of apoptotic cells. <i>Analyst</i> , 2012, 137, 5062.	3.5	22
87	Conjugated linoleic acid production from various substrates by probiotic <i>Lactobacillus plantarum</i> . <i>Annals of Microbiology</i> , 2015, 65, 27-32.	2.6	22
88	Expression, purification and immobilization of firefly luciferase on alkyl-substituted Sepharose 4B. <i>Enzyme and Microbial Technology</i> , 2007, 40, 740-746.	3.2	21
89	Comparison of the effects of l-carnitine and Î±-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
90	<i>In vivo</i> tumor gene delivery using novel peptideticles: pH-responsive and ligand targeted core-shell nanoassembly. <i>International Journal of Cancer</i> , 2018, 143, 2017-2028.	5.1	21

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91	Implication of a critical residue (Glu175) in structure and function of bacterial luciferase. <i>FEBS Letters</i> , 2005, 579, 4701-4706.	2.8	20
92	Delay expression of limonoid UDP-glucosyltransferase makes delayed bitterness in citrus. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 59-62.	2.1	20
93	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.	3.2	20
94	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.	1.4	20
95	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.	3.6	20
96	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.	7.8	20
97	Potential anticancer activity of a new pro-apoptotic peptide–thioctic acid gold nanoparticle platform. <i>Nanotechnology</i> , 2021, 32, 145101.	2.6	20
98	Mitochondrial Distribution and ATP Content of Vitrified, In vitro Matured Mouse Oocytes. <i>Avicenna Journal of Medical Biotechnology</i> , 2014, 6, 210-7.	0.3	20
99	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.	1.3	19
100	A fires 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.	10.1	19
101	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.	5.4	19
102	Synthesis of highly fluorescent water-soluble polypyrrole for cell imaging and iodide ion sensing. <i>Analytica Chimica Acta</i> , 2019, 1084, 99-105.	5.4	19
103	&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.	6.7	19
104	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.	7.8	19
105	Design and preparation of a theranostic peptideticle for targeted cancer therapy: Peptide-based codelivery of doxorubicin/curcumin and graphene quantum dots. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 42, 102544.	3.3	19
106	Use of Reversible Denaturation for Adsorptive Immobilization of Urease. <i>Applied Biochemistry and Biotechnology</i> , 2001, 94, 265-278.	2.9	18
107	Biased Homozygous Haplotypes Across the Human Caveolin 1 Upstream Purine Complex in Parkinsonâ€™s Disease. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 389-393.	2.3	18
108	cDNA Cloning, Expression and Homology Modeling of a Luciferase from the Firefly <i>Lampyroidea maculata</i> . <i>BMB Reports</i> , 2006, 39, 578-585.	2.4	18



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109	How benzene and its metabolites affect human marrow derived mesenchymal stem cells. <i>Toxicology Letters</i> , 2012, 214, 145-153.	0.8	17
110	Lipid composition of cationic nanoliposomes implicate on transfection efficiency. <i>Journal of Liposome Research</i> , 2013, 23, 174-186.	3.3	17
111	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.	1.2	17
112	Relationship between stability and bioluminescence color of firefly luciferase. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 376-383.	2.9	16
113	Improvement of Thermostability and Activity of Firefly Luciferase Through [TMG][Ac] Ionic Liquid Mediator. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 604-615.	2.9	16
114	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.	1.0	16
115	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.	2.9	16
116	Surface charge modification increases firefly luciferase rigidity without alteration in bioluminescence spectra. <i>Enzyme and Microbial Technology</i> , 2017, 96, 47-59.	3.2	16
117	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.	3.0	16
118	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.	2.6	16
119	Stepwise modification of lysine residues of glucose oxidase with citraconic anhydride. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 192-196.	7.5	15
120	Comparison of the molten globule states of thermophilic and mesophilic $\alpha$ -amylases. <i>Biophysical Chemistry</i> , 2006, 122, 58-65.	2.8	15
121	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.	7.5	15
122	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.	4.8	15
123	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.	2.9	15
124	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.	0.8	15
125	Effects of 940 MHz EMF on luciferase solution: Structure, function, and dielectric studies. <i>Bioelectromagnetics</i> , 2013, 34, 489-498.	1.6	15
126	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.	2.5	15



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127	Kit ligand decreases the incidence of apoptosis in cultured vitrified whole mouse ovaries. <i>Reproductive BioMedicine Online</i> , 2015, 30, 493-503.	2.4	15
128	A fast and efficient stabilization of firefly luciferase on MIL-53(Al) via surface adsorption mechanism. <i>Research on Chemical Intermediates</i> , 2019, 45, 2489-2501.	2.7	15
129	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.	3.3	15
130	Variation in Blood and Colorectal Epithelia'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.	3.5	15
131	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.	1.5	14
132	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.	7.5	14
133	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.	10.1	14
134	Bifunctional role of leucine 300 of firefly luciferase in structural rigidity. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 67-74.	7.5	14
135	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.	1.4	14
136	Synthesis, characterization and <i>in vitro</i> 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.	3.0	14
137	Treating MCF7 breast cancer cell with proteasome inhibitor Bortezomib restores apoptotic factors and sensitizes cell to Docetaxel. <i>Medical Oncology</i> , 2021, 38, 64.	2.5	14
138	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
139	Adsorptive immobilization of bacterial luciferases on alkyl-substituted Sepharose 4B. <i>Enzyme and Microbial Technology</i> , 2003, 32, 186-193.	3.2	13
140	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.	3.2	13
141	A Novel Mitochondrial Heteroplasmic C13806A Point Mutation Associated with Iranian Friedreich's Ataxia. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 225-233.	3.3	13
142	Limited Proteolysis of Luciferase as a Reporter in Nanosystem Biology: A Comparative Study. <i>Photochemistry and Photobiology</i> , 2009, 85, 1162-1167.	2.5	13
143	Site-directed mutagenesis of photoprotein mnemiopsin: implication of some conserved residues in bioluminescence properties. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 467-478.	2.9	13
144	Hydrophobin promotes thermostability of firefly luciferase. <i>FEBS Journal</i> , 2016, 283, 2494-2507.	4.7	13

#	ARTICLE	IF	CITATIONS
145	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.	3.5	13
146	The role of SIPK signaling pathway in antioxidant activity and programmed cell death of tobacco cells after exposure to cadmium. <i>Plant Science</i> , 2019, 280, 416-423.	3.6	13
147	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.	1.4	13
148	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.	2.7	13
149	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.	2.5	12
150	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.	7.5	12
151	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.	2.9	12
152	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.	9.0	12
153	Highly Stereoselective Synthesis of Isoindole Derivatives Containing an Azetidinone Ring. <i>Synlett</i> , 2015, 26, 2277-2279.	1.8	12
154	Artemin protects cells and proteins against oxidative and salt stress. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 618-624.	7.5	12
155	Reversible permeabilization of the mitochondrial membrane promotes human cardiomyocyte differentiation from embryonic stem cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 521-536.	4.1	12
156	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. <i>Mikrochimica Acta</i> , 2019, 186, 845.	5.0	12
157	Apoptosome Formation through Disruption of the K192-D616 Salt Bridge in the Apaf-1 Closed Form. <i>ACS Omega</i> , 2021, 6, 22551-22558.	3.5	12
158	Luciferase protection against proteolytic degradation: A key for improving signal in nano-system biology. <i>Journal of Biotechnology</i> , 2009, 144, 83-88.	3.8	11
159	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.	1.9	11
160	Stability studies of chitosan-DNA-FAP-B nanoparticles for gene delivery to lung epithelial cells. <i>Acta Pharmaceutica</i> , 2012, 62, 83-92.	2.0	11
161	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.	3.0	11
162	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.	2.8	11

#	ARTICLE	IF	CITATIONS
163	A new split-luciferase complementation assay identifies pentachlorophenol as an inhibitor of apoptosome formation. <i>FEBS Open Bio</i> , 2019, 9, 1194-1203.	2.3	11
164	Development of dual-emission cluster of Ag atoms for genetically modified organisms detection. <i>Mikrochimica Acta</i> , 2020, 187, 628.	5.0	11
165	Split-luciferase complementary assay of NLRP3 PYD-PYD interaction indicates inflammasome formation during inflammation. <i>Analytical Biochemistry</i> , 2022, 638, 114510.	2.4	11
166	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.	2.5	10
167	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.	3.0	10
168	Colorimetric assay of apoptosis through in-situ biosynthesized gold nanoparticles inside living breast cancer cells. <i>Talanta</i> , 2020, 208, 120463.	5.5	10
169	Ternary Nanocomplexes of Metallic Nanoclusters and Recombinant Peptides for Fluorescence Imaging and Enhanced Gene Delivery. <i>Molecular Biotechnology</i> , 2020, 62, 495-507.	2.4	10
170	Novel enzyme-based electrochemical and colorimetric biosensors for tetracycline monitoring in milk. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 41-50.	3.1	10
171	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.	2.5	9
172	Controversial effect of two methylguanidine-based ionic liquids on firefly luciferase. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 828-834.	2.9	9
173	Stabilisation of Recombinant Aequorin by Polyols: Activity, Thermostability and Limited Proteolysis. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 273-280.	2.9	9
174	Magnetic Nanoparticles Supported Ionic Liquids Improve Firefly Luciferase Properties. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3116-3127.	2.9	9
175	Impact of trifluoroethanol-induced structural changes on luciferase cleavage sites. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 144, 1-7.	3.8	9
176	Oscillation of apoptosome formation through assembly of truncated Apaf-1. <i>European Journal of Pharmacology</i> , 2015, 760, 64-71.	3.5	9
177	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.	3.0	9
178	Structural and dynamical insight into thermally induced functional inactivation of firefly luciferase. <i>PLoS ONE</i> , 2017, 12, e0180667.	2.5	9
179	Deep Eutectic Solvents as a New Generation of Chemical Chaperones. <i>ChemistrySelect</i> , 2018, 3, 10603-10607.	1.5	9
180	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.	7.5	9

#	ARTICLE	IF	CITATIONS
181	Upregulation of apoptotic protease activating factor-1 expression correlates with anti-tumor effect of taxane drug. <i>Medical Oncology</i> , 2021, 38, 88.	2.5	9
182	The effect of surface charge balance on thermodynamic stability and kinetics of refolding of firefly luciferase. <i>BMB Reports</i> , 2011, 44, 102-106.	2.4	9
183	Interaction of Glucose Oxidase With Alkyl-Substituted Sepharose 4B. <i>Applied Biochemistry and Biotechnology</i> , 2003, 110, 165-174.	2.9	8
184	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.	1.9	8
185	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.	3.1	8
186	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.	2.1	8
187	Optimization of Experimental Variables Influencing Apoptosome Biosensor in HEK293T Cells. <i>Sensors</i> , 2020, 20, 1782.	3.8	8
188	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
189	Critical Role of Glu175 on Stability and Folding of Bacterial Luciferase: Stopped-flow Fluorescence Study. <i>BMB Reports</i> , 2007, 40, 453-458.	2.4	8
190	Identification of NLRP3PYD Homo-Oligomerization Inhibitors with Anti-Inflammatory Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1651.	4.1	8
191	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.	2.6	8
192	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.	3.8	7
193	Delicate balance of electrostatic interactions and disulfide bridges in thermostability of firefly luciferase. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 837-844.	7.5	7
194	Implication of an unfavorable residue (Thr346) in intrinsic flexibility of firefly luciferase. <i>Enzyme and Microbial Technology</i> , 2012, 51, 186-192.	3.2	7
195	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.	1.5	7
196	Evaluation of apoptosis in long-term culture of vitrified mouse whole ovaries. <i>Research in Veterinary Science</i> , 2014, 96, 1-4.	1.9	7
197	Luciferin-Regenerating Enzyme Crystal Structure Is Solved but its Function Is Still Unclear. <i>Photochemistry and Photobiology</i> , 2017, 93, 429-435.	2.5	7
198	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, .	2.0	7

#	ARTICLE	IF	CITATIONS
199	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.	2.2	7
200	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.	2.4	7
201	Interaction of Native and Apo-carbonic Anhydrase with Hydrophobic Adsorbents: A Comparative Structure-function Study. <i>BMB Reports</i> , 2006, 39, 636-641.	2.4	7
202	Cloning, Expression and Purification of Creatinase. <i>Avicenna Journal of Medical Biotechnology</i> , 2017, 9, 169-175.	0.3	7
203	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.	3.3	7
204	Application of zero-length cross-linking to form lysozyme, horseradish peroxidase and lysozymeâ€peroxidase dimers: Activity and stability. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 624-630.	7.5	6
205	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.	7.5	6
206	Implication of Disulfide Bridge Induced Thermal Reversibility, Structural and Functional Stability for Luciferase. <i>Protein and Peptide Letters</i> , 2014, 22, 23-30.	0.9	6
207	Hyperactive Arg39Lys mutated mnemiopsin: implication of positively charged residue in chromophore binding cavity. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 792-800.	2.9	6
208	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.	3.7	6
209	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.	7.3	6
210	Transient transfection of WT-Î±S and A53T-Î±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.	7.5	6
211	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
212	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.	1.2	5
213	Structural and functional study of a simple, rapid, and labelâ€free DNAzymeâ€based DNA biosensor for optimization activity. <i>Biopolymers</i> , 2017, 107, e23028.	2.4	5
214	Structural and functional consequences of EF-hand I recovery in mnemiopsin 2. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2006-2013.	7.5	5
215	Application of intercalating molecules in detection of methylated DNA in the presence of silver ions. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 035005.	2.3	5
216	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.	3.9	5

#	ARTICLE	IF	CITATIONS
217	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.	1.6	5
218	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.	1.9	5
219	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.	2.4	5
220	Engineering in modern medicine using magnetic nanoparticles in understanding physicochemical interactions at the nano-bio interfaces. <i>Materials Today Chemistry</i> , 2022, 23, 100733.	3.5	5
221	Water-miscible ionic liquids as novel effectors for the firefly luciferase reaction. <i>Engineering in Life Sciences</i> , 2013, 13, 201-209.	3.6	4
222	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.	2.1	4
223	Loss in Toxic Function of Aggregates of $\Delta$ -Synuclein Mutants by a $\Delta$ -Synuclein Derived Peptide. <i>Protein and Peptide Letters</i> , 2017, 24, 757-764.	0.9	4
224	Aberrant expression of Activating Transcription Factor 6 (ATF6) in major psychiatric disorders. <i>Psychiatry Research</i> , 2012, 200, 1086-1087.	3.3	3
225	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.	2.2	3
226	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.	7.5	3
227	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.	3.2	3
228	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.	4.0	3
229	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.	7.5	3
230	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.	7.5	3
231	Effects of microbial volatile organic compounds on <i>Ganoderma lucidum</i> growth and ganoderic acids production in Co-cultures (volatile co-cultures). <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 286-297.	1.9	3
232	Diphenylalanin nanofibers-inspired synthesis of fluorescent gold nanoclusters for screening of anti-amyloid drugs. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 045002.	2.3	3
233	Design, Synthesis and Biological Evaluation of Triptorelin Analogs Containing Tetrazole Moiety. <i>ChemistrySelect</i> , 2020, 5, 1443-1449.	1.5	3
234	Colostrum fails to prevent bovine/camelid neonatal neutrophil damage from AFB <sub>1</sub> . <i>Journal of Immunotoxicology</i> , 2020, 17, 43-50.	1.7	3



#	ARTICLE	IF	CITATIONS
235	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.	2.7	3
236	Hsa-miR-3658 down-regulates OCT4 gene expression followed by suppressing SW480 cell proliferation and migration. <i>Biochemical Journal</i> , 2020, 477, 2281-2293.	3.7	3
237	“Semiconductor quantum dots” in biomedical opportunities. <i>Journal of Luminescence</i> , 2022, 243, 118626.	3.1	3
238	Bridging from Metallic Nanoclusters to Biomedical in Understanding Physicochemical Interactions at the Nano“Bio Interface. <i>Particle and Particle Systems Characterization</i> , 0, , 2100202.	2.3	3
239	Characterization of Zwitterionic Phosphatidylcholine-Based Bilayer Vesicles as Efficient Self-Assembled Virus-Like Gene Carriers. <i>Molecular Biotechnology</i> , 2013, 55, 120-130.	2.4	2
240	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.	2.3	2
241	In silico design and in vitro characterization of a recombinant antigen for specific recognition of NMP22. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 69-77.	7.5	2
242	Effect of mutation at positively charged residues (K329 and R330) in a flexible region of firefly luciferase on structure and kinetic properties. <i>Enzyme and Microbial Technology</i> , 2019, 131, 109424.	3.2	2
243	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.	1.5	2
244	Stepwise Development of Biomimetic Chimeric Peptides for Gene Delivery. <i>Protein and Peptide Letters</i> , 2020, 27, 698-710.	0.9	2
245	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.	0.7	2
246	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.	2.5	2
247	Phenylalanine gold nanoclusters as sensing platform for ““ interfering molecules: a case study of iodide. <i>Scientific Reports</i> , 2022, 12, 2235.	3.3	2
248	Environmentally occurring aflatoxins B <sub>1</sub> and M <sub>1</sub> notifyably harms pancreatic islets. <i>Toxin Reviews</i> , 2023, 42, 51-60.	3.4	2
249	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.	2.4	2
250	The Effect of Surface Charge Saturation on Heat“Induced Aggregation of Firefly Luciferase. <i>Photochemistry and Photobiology</i> , 2015, 91, 1156-1164.	2.5	1
251	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.	4.2	1
252	Surface Arginine Saturation Effect on Unfolding Reaction of Firefly Luciferase: A Thermodynamic and Kinetic Perspective. <i>Photochemistry and Photobiology</i> , 2016, 92, 688-693.	2.5	1



#	ARTICLE	IF	CITATIONS
253	Bioluminescence and kinetic aspects of double mutated aequorin variants. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 163-168.	7.5	1
254	Effect of Disulfide Bond Incorporation on the Structure and Activity of Endostatin Peptide. <i>Biochemistry (Moscow)</i> , 2018, 83, 1388-1398.	1.5	1
255	Modulation of the competition between renaturation and aggregation of lysozyme by additive mixtures. <i>Biotechnology and Applied Biochemistry</i> , 2019, 67, 330-342.	3.1	1
256	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.	2.3	1
257	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.	0.8	1
258	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.	0.5	1
259	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
260	A amylase activity of nymphal stages of sunn pest, <i>Eurygaster integriceps</i> Puton (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.0	1
261	Digestive proteinase activity of the Khapra beetle, <i>Trogoderma granarium</i> Everts (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	1
262	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.	3.9	1
263	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.	2.2	0
264	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.	1.2	0
265	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.	0.3	0
266	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.	0.5	0
267	Effects of Linker Flexibility and Conformational Changes of IP3 Receptor on Split Luciferase Complementation Assay. <i>Iranian Journal of Biotechnology</i> , 2020, 18, e2423.	0.3	0
268	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