

Mahboobeh Nazari

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

895
citations

516710

16
h-index

501196

28
g-index

53
all docs

53
docs citations

53
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Mosaicism in CRISPR/Cas9-mediated genome editing. <i>Developmental Biology</i> , 2019, 445, 156-162.	2.0	169
2	Immobilization of laccase on epoxy-functionalized silica and its application in biodegradation of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 443-447.	7.5	118
3	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
4	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
5	Novel chitosan based nanoparticles as gene delivery systems to cancerous and noncancerous cells. <i>International Journal of Pharmaceutics</i> , 2019, 560, 306-314.	5.2	39
6	Fast and highly efficient purification of 6Å-histidine-tagged recombinant proteins by Ni-decorated MnFe ₂ O ₄ @SiO ₂ @NH ₂ AB as novel and efficient affinity adsorbent magnetic nanoparticles. <i>RSC Advances</i> , 2016, 6, 36840-36848.	3.6	30
7	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
8	Understanding the molecular behaviour of Renilla luciferase in imidazolium-based ionic liquids, a new model for the I _± /I ² fold collapse. <i>Biochemical Engineering Journal</i> , 2016, 105, 505-513.	3.6	30
9	Biodegradation of asphaltene and petroleum compounds by a highly potent <i>Daedaleopsis</i> sp.. <i>Journal of Basic Microbiology</i> , 2018, 58, 609-622.	3.3	25
10	Renilla luciferase-labeled Annexin V: a new probe for detection of apoptotic cells. <i>Analyst</i> , The, 2012, 137, 5062.	3.5	22
11	Comparison of different probes based on labeled annexin V for detection of apoptosis. <i>RSC Advances</i> , 2014, 4, 45128-45135.	3.6	22
12	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
13	Placenta-specific1 (PLAC1) is a potential target for antibody-drug conjugate-based prostate cancer immunotherapy. <i>Scientific Reports</i> , 2017, 7, 13373.	3.3	22
14	Towards prostate cancer gene therapy: Development of a chlorotoxin-targeted nanovector for toxic (melittin) gene delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 209-218.	4.0	21
15	Super RLuc8: A novel engineered Renilla luciferase with a red-shifted spectrum and stable light emission. <i>Enzyme and Microbial Technology</i> , 2017, 96, 60-66.	3.2	19
16	Nickel-Salen supported paramagnetic nanoparticles for 6-His-target recombinant protein affinity purification. <i>Journal of Chromatography A</i> , 2017, 1490, 47-53.	3.7	18
17	Pre-validation of Gene Editing by CRISPR/Cas9 Ribonucleoprotein. <i>Avicenna Journal of Medical Biotechnology</i> , 2019, 11, 259-263.	0.3	17
18	PLAC1: biology and potential application in cancer immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 1039-1058.	4.2	16

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19	Evaluating the performance of genetic and particle swarm optimization algorithms to select an appropriate scenario for forecasting energy demand using economic indicators: residential and commercial sectors of Iran. <i>International Journal of Energy and Environmental Engineering</i> , 2015, 6, 345-355.	2.5	14
20	FcUni-RLuc: an engineered Renilla luciferase with Fc binding ability and light emission activity. <i>Analyst, The</i> , 2015, 140, 1438-1441.	3.5	14
21	<i>Brucella melitensis</i> VirB12 recombinant protein is a potential marker for serodiagnosis of human brucellosis. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2017, 16, 8.	3.8	14
22	Optimized protocol for soluble prokaryotic expression, purification and structural analysis of human placenta specific-1(PLAC1). <i>Protein Expression and Purification</i> , 2017, 133, 139-151.	1.3	13
23	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
24	Adherent state apoptosis assay (ASA): a fast and reliable method to detect apoptosis in adherent cells. <i>Analytical Methods</i> , 2014, 6, 4199-4204.	2.7	10
25	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
26	NLRP3 inflammasome: A joint, potential therapeutic target in management of COVID-19 and fertility problems. <i>Journal of Reproductive Immunology</i> , 2021, 148, 103427.	1.9	8
27	Probing the emitter site of Renilla luciferase using small organic molecules; an attempt to understand the molecular architecture of the emitter site. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1253-1260.	7.5	7
28	Super RLuc8-sFv; a new luciferase-labeled probe for detection of human CD4+ cells. <i>Molecular BioSystems</i> , 2017, 13, 470-475.	2.9	7
29	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
30	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
31	Molecular basis of thermostability enhancement of Renilla luciferase at higher temperatures by insertion of a disulfide bridge into the structure. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 252-259.	2.3	6
32	Detection of a prostate cancer cell line using a bioluminescent affiprobe: An attempt to develop a new molecular probe for ex vivo studies. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 755-763.	7.5	6
33	Development of a ZHER3 Affibody Targeted Nano Vector for Gene Delivery to HER3 Overexpressed Breast Cancer Cells. <i>Macromolecular Bioscience</i> , 2019, 19, 1900159.	4.1	6
34	New Generation Vaccines for COVID-19 Based on Peptide, Viral Vector, Artificial Antigen Presenting Cell, DNA or mRNA. <i>Avicenna Journal of Medical Biotechnology</i> , 2022, 14, 30-36.	0.3	6
35	A framework for integrated assessment of sustainable supply chain management. , 2011, , .		4
36	Trehalose radial networks protect Renilla luciferase helical layers against thermal inactivation. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 66-73.	7.5	4

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37	Kinetics, structure, and dynamics of Renilla luciferase solvated in binary mixtures of glycerol and water and the mechanism by which glycerol obstructs the enzyme emitter site. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 617-624.	7.5	4
38	CRISPR/Cas9 System for Efficient Genome Editing and Targeting in the Mouse NIH/3T3 Cells. <i>Avicenna Journal of Medical Biotechnology</i> , 2019, 11, 149-155.	0.3	4
39	The application of particle swarm optimization algorithm in forecasting energy demand of residential - commercial sector with the use of economic indicators. <i>Management Science Letters</i> , 2014, 4, 2415-2422.	1.5	3
40	CD4 D3-binding probe: a novel fluorescence tool for detection and enumeration of CD4+ cells. <i>RSC Advances</i> , 2015, 5, 56578-56582.	3.6	3
41	Efficient Production of Biallelic RAG1 Knockout Mouse Embryonic Stem Cell Using CRISPR/Cas9. <i>Iranian Journal of Biotechnology</i> , 2019, 17, 45-53.	0.3	3
42	Investigation in vitro Expression of CatSper Sub Fragment followed by Production of Polyclonal Antibody: Potential Candidate for The Next Generation of Non Hormonal Contraceptive. <i>Cell Journal</i> , 2012, 14, 215-24.	0.2	3
43	A luminescent biosensor for <i>ex vivo</i> detection of HER2-positive breast cancer based on a novel affiprobe. <i>Analytical Methods</i> , 2019, 11, 4233-4241.	2.7	2
44	Recombinant CD137 α Fc, its synthesis, and applications for improving the immune system functions, such as tumor immunotherapy and to reduce the inflammation due to the novel coronavirus. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1072-1084.	2.6	2
45	Stepwise Development of Biomimetic Chimeric Peptides for Gene Delivery. <i>Protein and Peptide Letters</i> , 2020, 27, 698-710.	0.9	2
46	Optimized protocol for soluble prokaryotic expression, purification and refolding of the human inhibin β subunit, a cysteine rich peptide chain. <i>Human Antibodies</i> , 2020, 28, 131-139.	1.5	1
47	ZHER2 Affibody as a Good Candidate for Detection of Metastatic Prostate Cancer. <i>Avicenna Journal of Medical Biotechnology</i> , 2021, 13, 171.	0.3	0
48	Development of recombinant biomimetic nano-carrier for targeted gene transfer to HER3 positive breast cancer. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 948-955.	7.5	0
49	Expression of Human Placenta-specific 1 (PLAC1) in CHO-K1 Cells. <i>Avicenna Journal of Medical Biotechnology</i> , 2020, 12, 24-31.	0.3	0
50	Optimization of Expression and Purification of Recombinant Mouse plac1. <i>Avicenna Journal of Medical Biotechnology</i> , 2022, 14, 61-69.	0.3	0