

Amir Ata Saei

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,354
citations

279798

23
h-index

214800

47
g-index

58
all docs

58
docs citations

58
times ranked

4574
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic iron oxide nanoparticles for delivery of therapeutic agents: opportunities and challenges. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1449-1470.	5.0	357
2	Proteome Integral Solubility Alteration: A High-Throughput Proteomics Assay for Target Deconvolution. <i>Journal of Proteome Research</i> , 2019, 18, 4027-4037.	3.7	148
3	Electrochemical biosensors for glucose based on metal nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 42, 216-227.	11.4	146
4	Targeted superparamagnetic iron oxide nanoparticles for early detection of cancer: Possibilities and challenges. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 287-307.	3.3	145
5	Theranostic MUC-1 aptamer targeted gold coated superparamagnetic iron oxide nanoparticles for magnetic resonance imaging and photothermal therapy of colon cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 224-232.	5.0	136
6	Repurposing of auranofin: Thioredoxin reductase remains a primary target of the drug. <i>Biochimie</i> , 2019, 162, 46-54.	2.6	113
7	Superparamagnetic iron oxide nanoparticles for <i>in vivo</i> molecular and cellular imaging. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 329-355.	0.8	109
8	Microparticles containing erlotinib-loaded solid lipid nanoparticles for treatment of non-small cell lung cancer. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1244-1253.	2.0	102
9	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. <i>Chemistry of Materials</i> , 2017, 29, 6578-6595.	6.7	99
10	Nanotoxicology: advances and pitfalls in research methodology. <i>Nanomedicine</i> , 2015, 10, 2931-2952.	3.3	70
11	Comprehensive chemical proteomics for target deconvolution of the redox active drug auranofin. <i>Redox Biology</i> , 2020, 32, 101491.	9.0	58
12	The microbiome: the forgotten organ of the astronaut's body – probiotics beyond terrestrial limits. <i>Future Microbiology</i> , 2012, 7, 1037-1046.	2.0	53
13	ProTargetMiner as a proteome signature library of anticancer molecules for functional discovery. <i>Nature Communications</i> , 2019, 10, 5715.	12.8	47
14	Sphingosin 1-phosphate contributes in tumor progression. <i>Journal of Cancer Research and Therapeutics</i> , 2013, 9, 556.	0.9	44
15	System-wide identification and prioritization of enzyme substrates by thermal analysis. <i>Nature Communications</i> , 2021, 12, 1296.	12.8	44
16	Cellular Toxicity of Nanogenomedicine in MCF-7 Cell Line: MTT assay. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	43
17	Inhibition of Survivin Restores the Sensitivity of Breast Cancer Cells to Docetaxel and Vinblastine. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 667-681.	2.9	43
18	Bare surface of gold nanoparticle induces inflammation through unfolding of plasma fibrinogen. <i>Scientific Reports</i> , 2018, 8, 12557.	3.3	43

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19	An update to space biomedical research: tissue engineering in microgravity bioreactors. <i>BiolImpacts</i> , 2012, 2, 23-32.	1.5	39
20	Nanotechnology for Targeted Detection and Removal of Bacteria: Opportunities and Challenges. <i>Advanced Science</i> , 2021, 8, e2100556.	11.2	38
21	DNA damage response and repair in ovarian cancer: Potential targets for therapeutic strategies. <i>DNA Repair</i> , 2019, 80, 59-84.	2.8	30
22	Breathomics: Review of Sample Collection and Analysis, Data Modeling and Clinical Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1461-1487.	3.5	30
23	Designing probiotics with respect to the native microbiome. <i>Future Microbiology</i> , 2012, 7, 571-575.	2.0	29
24	Soy Protein, Genistein, and Daidzein Improve Serum Paraoxonase Activity and Lipid Profiles in Rheumatoid Arthritis in Rats. <i>Journal of Medicinal Food</i> , 2013, 16, 147-154.	1.5	29
25	Comparative Proteomics of Dying and Surviving Cancer Cells Improves the Identification of Drug Targets and Sheds Light on Cell Life/Death Decisions. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1144-1155.	3.8	25
26	Crosstalk between P53 and DNA damage response in ageing. <i>DNA Repair</i> , 2019, 80, 8-15.	2.8	24
27	The deubiquitinase inhibitor b-AP15 induces strong proteotoxic stress and mitochondrial damage. <i>Biochemical Pharmacology</i> , 2018, 156, 291-301.	4.4	22
28	Aldehyde and Xanthine Oxidase Activities in Tissues of Streptozotocin-Induced Diabetic Rats: Effects of Vitamin E and Selenium Supplementation. <i>Biological Trace Element Research</i> , 2012, 147, 217-225.	3.5	21
29	Proteasome inhibitor b-AP15 induces enhanced proteotoxicity by inhibiting cytoprotective aggresome formation. <i>Cancer Letters</i> , 2019, 448, 70-83.	7.2	21
30	Thermal Proteome Profiling Identifies Oxidative-Dependent Inhibition of the Transcription of Major Oncogenes as a New Therapeutic Mechanism for Select Anticancer Compounds. <i>Cancer Research</i> , 2020, 80, 1538-1550.	0.9	19
31	Formulation, characterization and cytotoxicity evaluation of ketotifen-loaded nanostructured lipid carriers. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 268-273.	3.0	17
32	Haematococcus as a promising cell factory to produce recombinant pharmaceutical proteins. <i>Molecular Biology Reports</i> , 2012, 39, 9931-9939.	2.3	16
33	An integrative proteomics method identifies a regulator of translation during stem cell maintenance and differentiation. <i>Nature Communications</i> , 2021, 12, 6558.	12.8	16
34	Vibration and glycerol-mediated plasmid DNA transformation for <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2013, 348, 74-78.	1.8	15
35	Fe ₃ O ₄ nanoparticles engineered for plasmid DNA delivery to <i>Escherichia coli</i> . <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	15
36	Dynamic Proteomics Reveals High Plasticity of Cellular Proteome: Growth-Related and Drug-Induced Changes in Cancer Cells are Comparable. <i>Proteomics</i> , 2018, 18, e1800118.	2.2	14

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37	A glance at DNA microarray technology and applications. <i>BiolImpacts</i> , 2011, 1, 75-86.	1.5	14
38	Shrinkage of the human core microbiome and a proposal for launching microbiome biobanks. <i>Future Microbiology</i> , 2014, 9, 639-656.	2.0	12
39	COVID-19: Nanomedicine Uncovers Blood-Clot Mystery. <i>Journal of Proteome Research</i> , 2020, 19, 4364-4373.	3.7	11
40	Oxidative Stress Induced by the Deubiquitinase Inhibitor b-AP15 Is Associated with Mitochondrial Impairment. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	4.0	10
41	Biomedical Applications of Superparamagnetic Nanoparticles in Molecular Scale. <i>Current Organic Chemistry</i> , 2015, 19, 982-990.	1.6	10
42	Abnormal (Hydroxy)proline Deuterium Content Redefines Hydrogen Chemical Mass. <i>Journal of the American Chemical Society</i> , 2022, 144, 2484-2487.	13.7	9
43	Mass Spectrometry, Structural Analysis, and Anti-Inflammatory Properties of Photo-Cross-Linked Human Albumin Hydrogels. <i>ACS Applied Bio Materials</i> , 2022, 5, 2643-2663.	4.6	8
44	Possibilities in Germ Cell Research: An Engineering Insight. <i>Trends in Biotechnology</i> , 2015, 33, 735-746.	9.3	7
45	Screening and genetic manipulation of green organisms for establishment of biological life support systems in space. <i>Bioengineered</i> , 2013, 4, 65-71.	3.2	5
46	Tailoring subtractive cell biopanning to identify diffuse gastric adenocarcinoma-associated antigens via human scFv antibodies. <i>Immunology</i> , 2020, 159, 96-108.	4.4	5
47	Can the biomolecular corona induce an allergic reaction?â€”A proof-of-concept study. <i>Biointerphases</i> , 2021, 16, 011008.	1.6	5
48	Immunotargeting and therapy of cancer by advanced multivalence antibody scaffolds. <i>Journal of Drug Targeting</i> , 2020, 28, 1018-1033.	4.4	3
49	Predictive Biomarker Panel in Proliferative Lupus Nephritis- Two-Dimensional Shotgun Proteomics. <i>Iranian Journal of Kidney Diseases</i> , 2021, 1, 121-133.	0.1	2