

# Amir Savardashtaki

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

2,836  
citations

201658

27  
h-index

197805

49  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of iron oxide nanoparticles by aqueous leaf extract of <i>Daphne mezereum</i> as a novel dye removing material. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	196
2	Polyethylenimine-based nanocarriers in co-delivery of drug and gene: a developing horizon. <i>Nano Reviews &amp; Experiments</i> , 2018, 9, 1488497.	3.7	192
3	Quercetin and cancer: new insights into its therapeutic effects on ovarian cancer cells. <i>Cell and Bioscience</i> , 2020, 10, 32.	4.8	176
4	COVID-19 and cardiac injury: clinical manifestations, biomarkers, mechanisms, diagnosis, treatment, and follow up. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 345-357.	4.4	157
5	Caspase-3: Structure, function, and biotechnological aspects. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1633-1645.	3.1	134
6	Circular RNAs and gastrointestinal cancers: Epigenetic regulators with a prognostic and therapeutic role. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 145, 102854.	4.4	132
7	Early detection of lung cancer biomarkers through biosensor technology: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 93-103.	2.8	128
8	Electrochemical-based biosensors for microRNA detection: Nanotechnology comes into view. <i>Analytical Biochemistry</i> , 2019, 581, 113349.	2.4	113
9	Circular RNAs in cancer: new insights into functions and implications in ovarian cancer. <i>Journal of Ovarian Research</i> , 2019, 12, 84.	3.0	106
10	TGF- $\beta$ 2 and WNT signaling pathways in cardiac fibrosis: non-coding RNAs come into focus. <i>Cell Communication and Signaling</i> , 2020, 18, 87.	6.5	102
11	Long Non-Coding RNAs As Epigenetic Regulators in Cancer. <i>Current Pharmaceutical Design</i> , 2019, 25, 3563-3577.	1.9	98
12	Laboratory Findings of COVID-19 Infection are Conflicting in Different Age Groups and Pregnant Women: A Literature Review. <i>Archives of Medical Research</i> , 2020, 51, 603-607.	3.3	73
13	Role of exosomes in malignant glioma: microRNAs and proteins in pathogenesis and diagnosis. <i>Cell Communication and Signaling</i> , 2020, 18, 120.	6.5	64
14	miRNAs derived from cancer-associated fibroblasts in colorectal cancer. <i>Epigenomics</i> , 2019, 11, 1627-1645.	2.1	58
15	Glucose oxidase: Applications, sources, and recombinant production. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 939-950.	3.1	54
16	Biosensors for detection of Tau protein as an Alzheimer's disease marker. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1100-1108.	7.5	53
17	Exosomes and cancer: From oncogenic roles to therapeutic applications. <i>IUBMB Life</i> , 2020, 72, 724-748.	3.4	47
18	Therapeutic potentials of curcumin in the treatment of glioblastoma. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112040.	5.5	47

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19	Autophagy-related MicroRNAs in chronic lung diseases and lung cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 153, 103063.	4.4	45
20	Graphene nano-ribbon based high potential and efficiency for DNA, cancer therapy and drug delivery applications. <i>Drug Metabolism Reviews</i> , 2019, 51, 91-104.	3.6	44
21	The Role of MicroRNAs in Lung Cancer: Implications for Diagnosis and Therapy. <i>Current Molecular Medicine</i> , 2020, 20, 90-101.	1.3	44
22	Autophagy regulation by microRNAs : Novel insights into osteosarcoma therapy. <i>IUBMB Life</i> , 2020, 72, 1306-1321.	3.4	43
23	Quercetin and vitamin E alleviate ovariectomy-induced osteoporosis by modulating autophagy and apoptosis in rat bone cells. <i>Journal of Cellular Physiology</i> , 2021, 236, 3495-3509.	4.1	42
24	Therapeutic potentials of curcumin in the treatment of non-small cell lung carcinoma. <i>Phytotherapy Research</i> , 2020, 34, 2557-2576.	5.8	40
25	Data on cytotoxic and antibacterial activity of synthesized Fe <sub>3</sub> O <sub>4</sub> nanoparticles using <i>Malva sylvestris</i> . <i>Data in Brief</i> , 2020, 28, 104929.	1.0	39
26	Development of graphene based nanocomposites towards medical and biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1189-1205.	2.8	33
27	Galactosidase: From its source and applications to its recombinant form. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 612-628.	3.1	33
28	Exosomal noncoding RNAs: key players in glioblastoma drug resistance. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 4081-4092.	3.1	30
29	Circulating microRNAs as potential diagnostic biomarkers and therapeutic targets in prostate cancer: Current status and future perspectives. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 16316-16329.	2.6	28
30	Kidney diseases and COVID-19 infection: causes and effect, supportive therapeutics and nutritional perspectives. <i>Heliyon</i> , 2021, 7, e06008.	3.2	25
31	The complex roles of efferocytosis in cancer development, metastasis, and treatment. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111776.	5.6	20
32	The host mTOR pathway and parasitic diseases pathogenesis. <i>Parasitology Research</i> , 2021, 120, 1151-1166.	1.6	19
33	A brief overview on the application and sources of $\alpha$ -amylase and expression hosts properties in order to production of recombinant $\alpha$ -amylase. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 650-659.	3.1	17
34	The effectiveness of pistachio on glycemic control and insulin sensitivity in patients with type 2 diabetes, prediabetes and metabolic syndrome: A systematic review and meta-analysis. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1589-1595.	3.6	16
35	Suitable Signal Peptides for Secretory Production of Recombinant Granulocyte Colony Stimulating Factor in <i>Escherichia coli</i> . <i>Recent Patents on Biotechnology</i> , 2020, 14, 269-282.	0.8	15
36	In Silico Designing a Candidate Vaccine Against Breast Cancer. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 369-380.	1.9	14

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37	In silico Evaluation of PLAC1-fliC As a Chimeric Vaccine against Breast Cancer. Iranian Biomedical Journal, 2020, 24, 173-182.	0.7	13
38	In Silico Design and Evaluation of scFv-CdtB as a Novel Immunotoxin for Breast Cancer Treatment. International Journal of Cancer Management, 2020, 13, .	0.4	13
39	<scp>microRNAs</scp> in female infertility: An overview. Cell Biochemistry and Function, 2021, 39, 955-969.	2.9	13
40	analysis of suitable signal peptides for secretion of a recombinant alcohol dehydrogenase with a key role in atorvastatin enzymatic synthesis. Molecular Biology Research Communications, 2019, 8, 17-26.	0.3	13
41	Exosomal microRNAs and long noncoding RNAs: Novel mediators of drug resistance in lung cancer. Journal of Cellular Physiology, 2022, 237, 2095-2106.	4.1	13
42	Autoantigen-specific immune tolerance in pathological and physiological cell death: Nanotechnology comes into view. International Immunopharmacology, 2021, 90, 107177.	3.8	11
43	Design and evaluation of scFv-RTX-A as a novel immunotoxin for breast cancer treatment: an in silico approach. Journal of Immunoassay and Immunochemistry, 2021, 42, 19-33.	1.1	11
44	The synergistic interference effect of silica nanoparticles concentration and the wavelength of ELISA on the colorimetric assay of cell toxicity. Scientific Reports, 2021, 11, 15133.	3.3	11
45	The regulation of CD47-SIRP1 $\alpha$ signaling axis by microRNAs in combination with conventional cytotoxic drugs together with the help of nano-delivery: a choice for therapy?. Molecular Biology Reports, 2021, 48, 5707-5722.	2.3	11
46	microRNA in inflammatory bowel disease at a glance. European Journal of Gastroenterology and Hepatology, 2021, 32, 140-148.	1.6	11
47	Serodiagnosis of human cystic echinococcosis based on recombinant antigens B8/1 and B8/2 of <i>Echinococcus granulosus</i>. Journal of Immunoassay and Immunochemistry, 2020, 41, 1010-1020.	1.1	10
48	Darolutamide as a Second-Generation Androgen Receptor Inhibitor in the Treatment of Prostate Cancer. Current Molecular Medicine, 2021, 21, 332-346.	1.3	10
49	Analysis of Immureactivity of Heterologously Expressed Non-structural Protein 4B (NS4B) from Hepatitis C Virus (HCV) Genotype 1a. Iranian Journal of Biotechnology, 2015, 13, 32-37.	0.3	10
50	Electrochemical-Based Biosensors: New Diagnosis Platforms for Cardiovascular Disease. Current Medicinal Chemistry, 2020, 27, 2550-2575.	2.4	10
51	Gastrointestinal cancer drug resistance: the role of exosomal miRNAs. Molecular Biology Reports, 2022, 49, 2421-2432.	2.3	10
52	Recent findings on the role of microRNAs in genetic kidney diseases. Molecular Biology Reports, 2022, 49, 7039-7056.	2.3	10
53	Genomic and protein structure analysis of the luciferase from the Iranian bioluminescent beetle, <i>Luciola</i> sp.. International Journal of Biological Macromolecules, 2019, 124, 689-698.	7.5	9
54	<i>Neobalantidium coli</i>: First molecular identification from the Eurasian wild boar, <i>Sus Scrofa</i> in Bushehr Province, Southwestern Iran. Veterinary Medicine and Science, 2020, 6, 142-146.	1.6	9

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55	MicroRNAs in temporal lobe epilepsy: a systematic review. <i>Neurological Sciences</i> , 2021, 42, 571-578.	1.9	9
56	Streptococcal bacterial components in cancer therapy. <i>Cancer Gene Therapy</i> , 2022, 29, 141-155.	4.6	9
57	The use of proteomics for the identification of promising vaccine and diagnostic biomarkers in <i>Plasmodium falciparum</i> . <i>Parasitology</i> , 2020, 147, 1255-1262.	1.5	8
58	LncRNAs Roles in Chemoresistance of Cancer Cells. <i>Current Molecular Medicine</i> , 2022, 22, 691-702.	1.3	8
59	Clinical and Molecular Evaluation of a Case of Giant Primary Splenic Hydatid Cyst: A Case Report. <i>Iranian Journal of Parasitology</i> , 2016, 11, 585-590.	0.6	8
60	LytU-SH3b fusion protein as a novel and efficient enzymatic against methicillin-resistant. <i>Molecular Biology Research Communications</i> , 2019, 8, 151-158.	0.3	8
61	Effects of Ginkgo biloba intake on cardiometabolic parameters in patients with type 2 diabetes mellitus: A systematic review and meta-analysis of clinical trials. <i>Phytotherapy Research</i> , 2021, 35, 246-255.	5.8	7
62	Probiotics/Prebiotics in Viral Respiratory Infections: Implication for Emerging Pathogens. <i>Recent Patents on Biotechnology</i> , 2021, 15, 112-136.	0.8	7
63	Gold Nanobiosensor Based on the Localized Surface Plasmon Resonance is Able to Diagnose Human Brucellosis, Introducing a Rapid and Affordable Method. <i>Nanoscale Research Letters</i> , 2021, 16, 144.	5.7	6
64	The regulation of efferocytosis signaling pathways and adipose tissue homeostasis in physiological conditions and obesity: Current understanding and treatment options. <i>Obesity Reviews</i> , 2022, 23, .	6.5	6
65	Comparison of the Utility of Recombinant B8/2 Subunit of the Antigen B, Native Antigen, and a Commercial ELISA Kit in the Diagnosis of Human Cystic Echinococcosis. <i>Iranian Biomedical Journal</i> , 2019, 23, 246-252.	0.7	5
66	Analyzing Signal Peptides for Secretory Production of Recombinant Diagnostic Antigen B8/1 from : An Approach. <i>Molecular Biology Research Communications</i> , 2020, 9, 1-10.	0.3	5
67	Development of a recombinant nucleocapsid protein-based ELISA for the detection of IgM and IgG antibodies to SARS-CoV-2. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 2592-2598.	3.1	5
68	Mining the Proteome of Toxoplasma Parasites Seeking Vaccine and Diagnostic Candidates. <i>Animals</i> , 2022, 12, 1098.	2.3	5
69	The cross-talk between soluble "Find me" and "Keep out" signals as an initial step in regulating efferocytosis. <i>Journal of Cellular Physiology</i> , 2022, 237, 3113-3126.	4.1	5
70	MARK4 protein can explore the active-like conformations in its non-phosphorylated state. <i>Scientific Reports</i> , 2019, 9, 12967.	3.3	4
71	Designing an HCV diagnostic kit for common genotypes of the virus in Iran based on conserved regions of core, NS3-protease, NS4A/B, and NS5A/B antigens: an in silico approach. <i>Biologia (Poland)</i> , 2021, 76, 281-296.	1.5	4
72	Artemisia Species as a New Candidate for Diabetes Therapy: A Comprehensive Review. <i>Current Molecular Medicine</i> , 2021, 21, 832-849.	1.3	4

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73	Isolation, Identification and In Silico Study of Native Cellulase Producing Bacteria. <i>Current Proteomics</i> , 2021, 18, 3-11.	0.3	4
74	Finding Appropriate Signal Peptides for Secretory Production of Recombinant Glucarpidase: An In Silico Method. <i>Recent Patents on Biotechnology</i> , 2021, 15, 302-315.	0.8	4
75	The Effect of Cigarette Smoke Exposure on Efferocytosis in Chronic Obstructive Pulmonary Disease; Molecular Mechanisms and Treatment Opportunities. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2021, 18, 723-736.	1.6	4
76	The memory modulatory effect of agmatine in passive avoidance task coincides with alterations of hippocampal CaMKII- $\alpha$ and ERK signaling in mice. <i>European Journal of Pharmacology</i> , 2022, 923, 174928.	3.5	4
77	Non-adaptive Evolution of Trimeric Autotransporters in Brucellaceae. <i>Frontiers in Microbiology</i> , 2020, 11, 560667.	3.5	3
78	Core-Shell Nanofibers: A New Horizon in Controlling the Drug Release. <i>Current Cancer Therapy Reviews</i> , 2017, 13, .	0.3	3
79	Amino Acids Sequence-based Analysis of Arginine Deiminase from Different Prokaryotic Organisms: An In Silico Approach. <i>Recent Patents on Biotechnology</i> , 2020, 14, 235-246.	0.8	3
80	Insights into the Function of Regulatory RNAs in Bacteria and Archaea. <i>International Journal of Translational Medicine</i> , 2021, 1, 403-423.	0.4	3
81	Evaluation the Synergistic Effect of High Dose Radiation of Radioiodine on the Immune System Suppressed By Cyclosporine. <i>American Journal of Immunology</i> , 2015, 11, 85-91.	0.1	2
82	Colorimetric Sensor Based on $\beta$ -Cyclodextrin-Functionalized Silver Nanoparticles for Zidovudine Sensitive Determination. <i>International Journal of Analytical Chemistry</i> , 2020, 2020, 1-7.	1.0	2
83	Association of PICK1 and BDNF variations with increased risk of methamphetamine dependence among Iranian population: a case-control study. <i>BMC Medical Genomics</i> , 2021, 14, 27.	1.5	2
84	Bispecific antibodies in colorectal cancer therapy: recent insights and emerging concepts. <i>Immunotherapy</i> , 2021, 13, 1355-1367.	2.0	2
85	In Silico Design and Evaluation of PRAME+FluCD2D3 as a New Breast Cancer Vaccine Candidate. <i>Iranian Journal of Medical Sciences</i> , 2021, 46, 52-60.	0.4	2
86	Recombinant Expression and Antibacterial Properties of BmTXKS2 Venom Peptide in Fusion with GST. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	1.9	2
87	A network-based approach to identify key genes between follicular thyroid cancer and follicular thyroid adenoma. <i>Gene Reports</i> , 2021, 23, 101075.	0.8	1
88	Detection and phylogenetic analysis of <i>Sarcocystis moulei</i> and <i>Sarcocystis</i> spp. ( <i>Sarcocystidae</i> ): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.0	1
89	Serosurvey of parvovirus B19 and cytomegalovirus infections among female university students in Shiraz, Southern Iran. <i>Journal of Immunoassay and Immunochemistry</i> , 2021, 42, 202-209.	1.1	1
90	Comparison of the Utility of Recombinant B8/2 Subunit of the Antigen B, Native Antigen, and a Commercial ELISA Kit in the Diagnosis of Human Cystic Echinococcosis. <i>Iranian Biomedical Journal</i> , 2019, 23, 246-52.	0.7	1

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91	The role of miR-153 and related upstream/downstream pathways in cancers: from a potential biomarker to treatment of tumor resistance and a therapeutic target. <i>Medical Oncology</i> , 2022, 39, 62.	2.5	1
92	Review of electrochemical and optical biosensors for testosterone measurement. <i>Biotechnology and Applied Biochemistry</i> , 2022, , .	3.1	1
93	B-Cell Epitope Mapping from Eight Antigens of <i>Candida albicans</i> to Design a Novel Diagnostic Kit: An Immunoinformatics Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, .	1.9	1
94	<i>In Silico</i> Study of 1, 4 Alpha Glucan Branching Enzyme and Substrate Docking Studies. <i>Current Proteomics</i> , 2020, 17, 40-50.	0.3	0
95	Evaluating Five <i>Escherichia coli</i> Derivative Strains as a Platform for Arginine Deiminase Overproduction. <i>Recent Patents on Biotechnology</i> , 2022, 16, 174-183.	0.8	0