Ali Mohammadi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9228615/publications.pdf

Version: 2024-02-01

104 papers	4,308 citations	136950 32 h-index	123424 61 g-index
106 all docs	106 docs citations	106 times ranked	5899 citing authors

#	Article	IF	Citations
1	The Different Mechanisms of Cancer Drug Resistance: A Brief Review. Advanced Pharmaceutical Bulletin, 2017, 7, 339-348.	1.4	1,143
2	The role of microRNAs in colorectal cancer. Biomedicine and Pharmacotherapy, 2016, 84, 705-713.	5.6	134
3	Photodynamic therapy for cancer: Role of natural products. Photodiagnosis and Photodynamic Therapy, 2019, 26, 395-404.	2.6	128
4	MicroRNAs in cancer cell death pathways: Apoptosis and necroptosis. Free Radical Biology and Medicine, 2019, 139, 1-15.	2.9	128
5	miRâ€142â€3p as tumor suppressor miRNA in the regulation of tumorigenicity, invasion and migration of human breast cancer by targeting Bachâ€1 expression. Journal of Cellular Physiology, 2019, 234, 9816-9825.	4.1	100
6	Current Approaches for Combination Therapy of Cancer: The Role of Immunogenic Cell Death. Cancers, 2020, 12, 1047.	3.7	95
7	MicroRNAs as novel biomarkers for colorectal cancer: New outlooks. Biomedicine and Pharmacotherapy, 2018, 97, 1319-1330.	5.6	93
8	HMGA2 as a Critical Regulator in Cancer Development. Genes, 2021, 12, 269.	2.4	91
9	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. AAPS PharmSciTech, 2019, 20, 120.	3.3	90
10	BACH1, the master regulator gene: A novel candidate target for cancer therapy. Gene, 2016, 588, 30-37.	2.2	89
11	Interplay between MAPK/ERK signaling pathway and MicroRNAs: A crucial mechanism regulating cancer cell metabolism and tumor progression. Life Sciences, 2021, 278, 119499.	4.3	86
12	microRNAs in cancer stem cells: Biology, pathways, and therapeutic opportunities. Journal of Cellular Physiology, 2019, 234, 10002-10017.	4.1	78
13	Regulatory mechanisms of miR-145 expression and the importance of its function in cancer metastasis. Biomedicine and Pharmacotherapy, 2019, 109, 195-207.	5.6	62
14	Circulating myeloidâ€derived suppressor cells: An independent prognostic factor in patients with breast cancer. Journal of Cellular Physiology, 2019, 234, 3515-3525.	4.1	62
15	New emerging roles of CD133 in cancer stem cell: Signaling pathway and miRNA regulation. Journal of Cellular Physiology, 2019, 234, 21642-21661.	4.1	58
16	Safety assessment of sodium acetate, sodium diacetate and potassium sorbate food additives. Food Chemistry, 2018, 257, 211-215.	8.2	57
17	Hyaluronic acidâ€decorated liposomal nanoparticles for targeted delivery of 5â€fluorouracil into HTâ€29 colorectal cancer cells. Journal of Cellular Physiology, 2020, 235, 6817-6830.	4.1	57
18	HMGI-C suppressing induces P53/caspase9 axis to regulate apoptosis in breast adenocarcinoma cells. Cell Cycle, 2016, 15, 2585-2592.	2.6	54

#	Article	IF	Citations
19	MicroRNAs in cancer drug resistance: Basic evidence and clinical applications. Journal of Cellular Physiology, 2019, 234, 2152-2168.	4.1	54
20	BACH1 silencing by siRNA inhibits migration of HT-29 colon cancer cells through reduction of metastasis-related genes. Biomedicine and Pharmacotherapy, 2016, 84, 191-198.	5.6	52
21	MicroRNAs in the Diagnosis and Treatment of Cancer. Immunological Investigations, 2017, 46, 880-897.	2.0	52
22	miRâ€330 suppresses EMT and induces apoptosis by downregulating HMGA2 in human colorectal cancer. Journal of Cellular Physiology, 2020, 235, 920-931.	4.1	51
23	MiR-146a functions as a small silent player in gastric cancer. Biomedicine and Pharmacotherapy, 2017, 96, 238-245.	5.6	49
24	Silencing of BACH1 inhibits invasion and migration of prostate cancer cells by altering metastasis-related gene expression. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1495-1504.	2.8	47
25	Overcoming the Challenges of siRNA Delivery: Nanoparticle Strategies. Current Drug Delivery, 2017, 14, 36-46.	1.6	47
26	Role of miR-21 as an authentic oncogene in mediating drug resistance in breast cancer. Gene, 2020, 738, 144453.	2.2	46
27	siRNA-Mediated Silencing of HMGA2 Induces Apoptosis and Cell Cycle Arrest in Human Colorectal Carcinoma. Journal of Gastrointestinal Cancer, 2017, 48, 156-163.	1.3	41
28	miRâ€142â€3p is a tumor suppressor that inhibits estrogen receptor expression in ERâ€positive breast cancer. Journal of Cellular Physiology, 2019, 234, 16043-16053.	4.1	41
29	Regulation of miRNAs by herbal medicine: An emerging field in cancer therapies. Biomedicine and Pharmacotherapy, 2017, 86, 262-270.	5.6	38
30	Restoration of miRâ€152 expression suppresses cell proliferation, survival, and migration through inhibition of AKTâ€“ERK pathway in colorectal cancer. Journal of Cellular Physiology, 2019, 234, 769-776.	4.1	36
31	The effect of combined miRâ€200c replacement and cisplatin on apoptosis induction and inhibition of gastric cancer cell line migration. Journal of Cellular Physiology, 2019, 234, 22581-22592.	4.1	36
32	Anti-tumor Effect of Quercetin Loaded Chitosan Nanoparticles on Induced Colon Cancer in Wistar Rats. Advanced Pharmaceutical Bulletin, 2019, 9, 409-415.	1.4	35
33	Effects of oral butyrate and inulin supplementation on inflammation-induced pyroptosis pathway in type 2 diabetes: A randomized, double-blind, placebo-controlled trial. Cytokine, 2020, 131, 155101.	3.2	34
34	Restoration of miR-143 expression could inhibit migration and growth of MDA-MB-468 cells through down-regulating the expression of invasion-related factors. Biomedicine and Pharmacotherapy, 2017, 91, 920-924.	5.6	33
35	HMGA2 and Bachâ€1 cooperate to promote breast cancer cell malignancy. Journal of Cellular Physiology, 2019, 234, 17714-17726.	4.1	33
36	Mechanisms of immune system activation in mammalians by small interfering RNA (siRNA). Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1589-1596.	2.8	32

#	Article	IF	Citations
37	MiR-142-3p targets HMGA2 and suppresses breast cancer malignancy. Life Sciences, 2021, 276, 119431.	4.3	32
38	Photodynamic therapy using zinc phthalocyanine with low dose of diode laser combined with doxorubicin is a synergistic combination therapy for human SK-MEL-3 melanoma cells. Photodiagnosis and Photodynamic Therapy, 2019, 28, 88-97.	2.6	30
39	Overexpression of HMGA2 in breast cancer promotes cell proliferation, migration, invasion and stemness. Expert Opinion on Therapeutic Targets, 2020, 24, 255-265.	3.4	30
40	Micro RNA 34a and Let-7a Expression in Human Breast Cancers is Associated with Apoptotic Expression Genes. Asian Pacific Journal of Cancer Prevention, 2016, 17, 1887-1890.	1.2	29
41	Function of microRNA-143 in different signal pathways in cancer: New insights into cancer therapy. Biomedicine and Pharmacotherapy, 2017, 91, 121-131.	5.6	28
42	Urtica dioica extract suppresses miR-21 and metastasis-related genes in breast cancer. Biomedicine and Pharmacotherapy, 2017, 93, 95-102.	5.6	28
43	Overcoming multiple drug resistance in lung cancer using siRNA targeted therapy. Gene, 2019, 714, 143972.	2.2	27
44	The Urtica dioica extract enhances sensitivity of paclitaxel drug to MDA-MB-468 breast cancer cells. Biomedicine and Pharmacotherapy, 2016, 83, 835-842.	5.6	24
45	Downregulation of miRâ€146a promotes cell migration in Helicobacter pylori â€“negative gastric cancer. Journal of Cellular Biochemistry, 2019, 120, 9495-9505.	2.6	24
46	The dual role of alpha7 nicotinic acetylcholine receptor in inflammation-associated gastrointestinal cancers. Heliyon, 2020, 6, e03611.	3.2	24
47	miR-34a and miR-200c Have an Additive Tumor-Suppressive Effect on Breast Cancer Cells and Patient Prognosis. Genes, 2021, 12, 267.	2.4	24
48	Therapeutic effects of bach1 siRNA on human breast adenocarcinoma cell line. Biomedicine and Pharmacotherapy, 2017, 88, 34-42.	5.6	23
49	microRNA-181a mediates the chemo-sensitivity of glioblastoma to carmustine and regulates cell proliferation, migration, and apoptosis. European Journal of Pharmacology, 2020, 888, 173483.	3.5	23
50	miRNAâ€143 replacement therapy harnesses the proliferation and migration of colorectal cancer cells in vitro. Journal of Cellular Physiology, 2019, 234, 21359-21368.	4.1	22
51	Silencing of High Mobility Group Isoform I-C (HMGI-C) Enhances Paclitaxel Chemosensitivity in Breast Adenocarcinoma Cells (MDA-MB-468). Advanced Pharmaceutical Bulletin, 2016, 6, 171-177.	1.4	22
52	The Herbal Medicine Utrica Dioica Inhibits Proliferation of Colorectal Cancer Cell Line by Inducing Apoptosis and Arrest at the G2/M Phase. Journal of Gastrointestinal Cancer, 2016, 47, 187-195.	1.3	21
53	The combination effect of Prominin1 (CD133) suppression and Oxaliplatin treatment in colorectal cancer therapy. Biomedicine and Pharmacotherapy, 2021, 137, 111364.	5.6	21
54	SiRNA-mediated silencing of Snail-1 induces apoptosis and alters micro RNA expression in human urinary bladder cancer cell line. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 969-974.	2.8	20

#	Article	IF	Citations
55	Eryngium Billardieri Induces Apoptosis via Bax Gene Expression in Pancreatic Cancer Cells. Advanced Pharmaceutical Bulletin, 2018, 8, 667-674.	1.4	20
56	Effects of N-terminal and C-terminal modification on cytotoxicity and cellular uptake of amphiphilic cell penetrating peptides. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 91-103.	2.8	19
57	Tumor suppressor microRNAs in lung cancer: An insight to signaling pathways and drug resistance. Journal of Cellular Biochemistry, 2019, 120, 19274-19289.	2.6	18
58	MicroRNA-145 replacement effect on growth and migration inhibition in lung cancer cell line. Biomedicine and Pharmacotherapy, 2019, 111, 460-467.	5.6	18
59	CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. Molecular Biology Reports, 2020, 47, 3691-3703.	2.3	18
60	The role of miRâ€34 in cancer drug resistance. Journal of Cellular Physiology, 2020, 235, 6424-6440.	4.1	18
61	miR-330 Regulates Colorectal Cancer Oncogenesis by Targeting BACH1. Advanced Pharmaceutical Bulletin, 2020, 10, 444-451.	1.4	18
62	Suppression of protein tyrosine phosphatase PTPN22 gene induces apoptosis in T-cell leukemia cell line (Jurkat) through the AKT and ERK pathways. Biomedicine and Pharmacotherapy, 2017, 86, 41-47.	5.6	17
63	Anacyclus Pyrethrum Extract Exerts Anticancer Activities on the Human Colorectal Cancer Cell Line (HCT) by Targeting Apoptosis, Metastasis and Cell Cycle Arrest. Journal of Gastrointestinal Cancer, 2017, 48, 333-340.	1.3	17
64	siRNA-mediated silencing of CD44 delivered by Jet Pei enhanced Doxorubicin chemo sensitivity and altered miRNA expression in human breast cancer cell line (MDA-MB468). Molecular Biology Reports, 2020, 47, 9541-9551.	2.3	17
65	Urtica dioica Extract Inhibits Proliferation and Induces Apoptosis and Related Gene Expression of Breast Cancer Cells InÂVitro and InÂVivo. Clinical Breast Cancer, 2017, 17, 463-470.	2.4	16
66	Regulatory roles of micro-RNAs in T cell autoimmunity. Immunological Investigations, 2017, 46, 864-879.	2.0	16
67	Yarrowia lipolytica L-asparaginase inhibits the growth and migration of lung (A549) and breast (MCF7) cancer cells. International Journal of Biological Macromolecules, 2021, 170, 406-414.	7.5	16
68	MicroRNAâ€330 inhibits growth and migration of melanoma A375 cells: In vitro study. Journal of Cellular Biochemistry, 2020, 121, 458-467.	2.6	15
69	Restoration of miRâ€330 expression suppresses lung cancer cell viability, proliferation, and migration. Journal of Cellular Physiology, 2021, 236, 273-283.	4.1	15
70	Silencing of HMGA2 by siRNA Loaded Methotrexate Functionalized Polyamidoamine Dendrimer for Human Breast Cancer Cell Therapy. Genes, 2021, 12, 1102.	2.4	15
71	The interaction between the light source dose and caspase-dependent and -independent apoptosis in human SK-MEL-3 skin cancer cells following photodynamic therapy with zinc phthalocyanine: A comparative study. Journal of Photochemistry and Photobiology B: Biology, 2017, 176, 62-68.	3.8	14
72	Gene Silencing Strategies in Cancer Therapy: An Update for Drug Resistance. Current Medicinal Chemistry, 2019, 26, 6282-6303.	2.4	14

#	Article	IF	Citations
73	The effect of Yarrowia lipolytica l-asparaginase on apoptosis induction and inhibition of growth in Burkitt's lymphoma Raji and acute lymphoblastic leukemia MOLT-4 cells. International Journal of Biological Macromolecules, 2020, 146, 193-201.	7.5	13
74	STAT3 Silencing and TLR7/8 Pathway Activation Repolarize and Suppress Myeloid-Derived Suppressor Cells From Breast Cancer Patients. Frontiers in Immunology, 2020, 11, 613215.	4.8	13
75	siRNA-Mediated Silencing of CIP2A Enhances Docetaxel Activity Against PC-3 Prostate Cancer Cells. Advanced Pharmaceutical Bulletin, 2017, 7, 637-643.	1.4	12
76	Interaction between DNA damage response and autophagy in colorectal cancer. Gene, 2020, 730, 144323.	2.2	11
77	The Cytotoxic and Apoptotic Effects of Scrophularia Atropatana Extracts on Human Breast Cancer Cells. Advanced Pharmaceutical Bulletin, 2017, 7, 381-389.	1.4	11
78	HMGA2 Supports Cancer Hallmarks in Triple-Negative Breast Cancer. Cancers, 2021, 13, 5197.	3.7	11
79	An analysis of suppressing migratory effect on human urinary bladder cancer cell line by silencing of snail-1. Biomedicine and Pharmacotherapy, 2017, 96, 545-550.	5.6	10
80	Effects of HMGA2 gene downregulation by siRNA on lung carcinoma cell migration in A549 cell lines. Journal of Cellular Biochemistry, 2019, 120, 5024-5032.	2.6	10
81	Growth inhibitory effect of Scrophularia oxysepala extract on mouse mammary carcinoma 4T1 cells in vitro and in vivo systems. Biomedicine and Pharmacotherapy, 2017, 85, 718-724.	5.6	9
82	Anti-CD24 bio Modified PEGylated Gold Nanoparticles as Targeted Computed Tomography Contrast Agent. Advanced Pharmaceutical Bulletin, 2018, 8, 599-607.	1.4	9
83	Restoration of miR-143 reduces migration and proliferation of bladder cancer cells by regulating signaling pathways involved in EMT. Molecular and Cellular Probes, 2022, 61, 101794.	2.1	9
84	Combination therapy with miR-34a and doxorubicin synergistically induced apoptosis in T-cell acute lymphoblastic leukemia cell line. Medical Oncology, 2021, 38, 142.	2.5	8
85	Targeting of high mobility group A2 by small interfering RNAâ€loaded nanoliposomeâ€induced apoptosis and migration inhibition in gastrointestinal cancer cells. Journal of Cellular Biochemistry, 2019, 120, 9203-9212.	2.6	7
86	MicroRNA-143 act as a tumor suppressor microRNA in human lung cancer cells by inhibiting cell proliferation, invasion, and migration. Molecular Biology Reports, 2022, 49, 7637-7647.	2.3	7
87	The synergy between miR-486â€“5p and tamoxifen causes profound cell death of tamoxifen-resistant breast cancer cells. Biomedicine and Pharmacotherapy, 2021, 141, 111925.	5.6	6
88	MicroRNA-143 inhibits proliferation and migration of prostate cancer cells. Archives of Physiology and Biochemistry, 2022, 128, 1323-1329.	2.1	6
89	Comparative of Evaluation between Erlotinib Loaded Nanostructured Lipid Carriers and Liposomes against A549 Lung Cancer Cell Line. Iranian Journal of Pharmaceutical Research, 2019, 18, 1168-1179.	0.5	6
90	Nano-liposome-based target toxicity machine: an alternative/complementary approach in atopic diseases. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1292-1297.	2.8	5

#	Article	IF	Citations
91	PTPN22 Silencing in Human Acute T-Cell Leukemia Cell Line (Jurkat Cell) and its Effect on the Expression of miR-181a and miR-181b. Advanced Pharmaceutical Bulletin, 2018, 8, 277-282.	1.4	4
92	The Effect of Snail1 Gene Silencing by siRNA in Metastatic Breast Cancer Cell Lines. Iranian Journal of Public Health, 2017, 46, 659-670.	0.5	4
93	Overexpression of miRNA-145 induces apoptosis and prevents proliferation and migration of MKN-45 gastric cancer cells. EXCLI Journal, 2020, 19, 1446-1458.	0.7	4
94	Echocardiographic evaluation of prevalence of pulmonary hypertension in Î²-thalassemia major: A cross sectional study. Pediatric Hematology and Oncology, 2018, 35, 322-330.	0.8	3
95	Emerging Molecular Functions of MicroRNA-9: Cancer Pathology and Therapeutic Implications. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 2304-2314.	1.7	3
96	ZEB2 Knock-down Induces Apoptosis in Human Myeloid Leukemia HL-60 Cells. Current Gene Therapy, 2021, 21, 149-159.	2.0	2
97	A novel method for the development of plasmid DNA-loaded nanoliposomes for cancer gene therapy. Drug Delivery and Translational Research, 2022, 12, 1508-1520.	5.8	2
98	Glimpse into the Cellular Internalization and Intracellular Trafficking of Lipid- Based Nanoparticles in Cancer Cells. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 1897-1912.	1.7	1
99	Emerging Effects of Sepantronium Bromide (YM155) on MOLT-4 Cell Line Apoptosis Induction and Expression of Critical Genes Involved in Apoptotic Pathways. Advanced Pharmaceutical Bulletin, 2020, 10, 81-87.	1.4	1
100	Investigation the Cytotoxicity of 5-AZA on Acute Lymphoblastic Leukemia Cell Line In Vitro and Characterization the Underlying Molecular Mechanisms of Cell Death and Motility. Asian Pacific Journal of Cancer Prevention, 2021, 22, 3723-3734.	1.2	1
101	Restoration of miRNA-143 Expression Inhibits Growth and Migration of MKN-45 Gastric Cancer Cell Line. Advanced Pharmaceutical Bulletin, 2020, 12, 183-190.	1.4	1
102	Downregulation of HMGA2 by Small Interfering RNA Affects the Survival, Migration, and Apoptosis of Prostate Cancer Cell Line. Advanced Pharmaceutical Bulletin, 2021, , .	1.4	0
103	The Inhibitory Effect of Hsa-miR-330 Replacement on the Proliferation and Migration of Breast Cancer MCF-7 Cells. International Journal of Women's Health and Reproduction Sciences, 2019, 7, 360-365.	0.4	0
104	Effects of self-assembled cell-penetrating peptides and their nano-complexes on ABCB1 expression and activity. Iranian Journal of Basic Medical Sciences, 2021, 24, 383-390.	1.0	0