Nehad M Alajez

List of Publications by Year in Descending Order

92 papers	3,077 citations	30 h-index	53 g-index
102 ext. papers	3,753 ext. citations	6.3 avg, IF	5.52 L-index

#	Paper	IF	Citations
92	Identification of Novel Circulating miRNAs in Patients with Acute Ischemic Stroke.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
91	Comprehensive Transcriptome and Pathway Analyses Revealed Central Role for Fascin in Promoting Triple-Negative Breast Cancer Progression.. *Pharmaceuticals*, **2021**, 14,	5.2	1
90	Molecular Classification of Breast Cancer Utilizing Long Non-Coding RNA (lncRNA) Transcriptomes Identifies Novel Diagnostic lncRNA Panel for Triple-Negative Breast Cancer. *Cancers*, **2021**, 13,	6.6	3
89	Transcriptomic Profiling of Circulating HLA-DR Myeloid Cells, Compared with HLA-DR Myeloid Antigen-presenting Cells. *Immunological Investigations*, **2021**, 50, 952-963	2.9	1
88	Molecular subtyping and functional validation of TTK, TPX2, UBE2C, and LRP8 in sensitivity of TNBC to paclitaxel. *Molecular Therapy - Methods and Clinical Development*, **2021**, 20, 601-614	6.4	4
87	COVID-19: complexity of disease severity revealed by systemic and localized single cell immune atlas. *Signal Transduction and Targeted Therapy*, **2021**, 6, 156	21	1
86	Identification of PBMC-based molecular signature associational with COVID-19 disease severity. *Heliyon*, **2021**, 7, e06866	3.6	5
85	Integrated whole transcriptome and small RNA analysis revealed multiple regulatory networks in colorectal cancer. *Scientific Reports*, **2021**, 11, 14456	4.9	1
84	Single-cell long noncoding RNA (lncRNA) transcriptome implicates MALAT1 in triple-negative breast cancer (TNBC) resistance to neoadjuvant chemotherapy. *Cell Death Discovery*, **2021**, 7, 23	6.9	19
83	Epigenetic regulation of triple negative breast cancer (TNBC) by TGF-β signaling. *Scientific Reports*, **2021**, 11, 15410	4.9	8
82	Transcriptional landscape associated with TNBC resistance to neoadjuvant chemotherapy revealed by single-cell RNA-seq. *Molecular Therapy - Oncolytics*, **2021**, 23, 151-162	6.4	5
81	Transcriptional alterations of protein coding and noncoding RNAs in triple negative breast cancer in response to DNA methyltransferases inhibition. *Cancer Cell International*, **2021**, 21, 515	6.4	2
80	RNA-Seq Analysis of Colorectal Tumor-Infiltrating Myeloid-Derived Suppressor Cell Subsets Revealed Gene Signatures of Poor Prognosis. *Frontiers in Oncology*, **2020**, 10, 604906	5.3	6
79	Single-Cell Transcriptome Analysis Highlights a Role for Neutrophils and Inflammatory Macrophages in the Pathogenesis of Severe COVID-19. *Cells*, **2020**, 9,	7.9	65
78	Transgelin is a poor prognostic factor associated with advanced colorectal cancer (CRC) stage promoting tumor growth and migration in a TGF-β dependent manner. *Cell Death and Disease*, **2020**, 11, 341	9.8	10
77	MicroRNA Expression Profiling on Paired Primary and Lymph Node Metastatic Breast Cancer Revealed Distinct microRNA Profile Associated With LNM. *Frontiers in Oncology*, **2020**, 10, 756	5.3	14
76	Protein Coding and Long Noncoding RNA (lncRNA) Transcriptional Landscape in SARS-CoV-2 Infected Bronchial Epithelial Cells Highlight a Role for Interferon and Inflammatory Response. *Genes*, **2020**, 11,	4.2	48

75	Transcriptomic Profiling of Tumor-Infiltrating CD4TIM-3 T Cells Reveals Their Suppressive, Exhausted, and Metastatic Characteristics in Colorectal Cancer Patients. *Vaccines*, **2020**, 8,	5.3	12
74	Resveratrol inhibits adipocyte differentiation and cellular senescence of human bone marrow stromal stem cells. *Bone*, **2020**, 133, 115252	4.7	15
73	Transcriptomic profiling disclosed the role of DNA methylation and histone modifications in tumor-infiltrating myeloid-derived suppressor cell subsets in colorectal cancer. *Clinical Epigenetics*, **2020**, 12, 13	7.7	26
72	Noncoding RNAs as potential mediators of resistance to cancer immunotherapy. *Seminars in Cancer Biology*, **2020**, 65, 65-79	12.7	28
71	Pembrolizumab Interferes with the Differentiation of Human FOXP3-Induced T Regulatory Cells, but Not with FOXP3 Stability, through Activation of mTOR. *Journal of Immunology*, **2020**, 204, 199-211	5.3	13
70	Computational and Transcriptome Analyses Revealed Preferential Induction of Chemotaxis and Lipid Synthesis by SARS-CoV-2. *Biology*, **2020**, 9,	4.9	7
69	Transcriptomic Analyses of Myeloid-Derived Suppressor Cell Subsets in the Circulation of Colorectal Cancer Patients. *Frontiers in Oncology*, **2020**, 10, 1530	5.3	3
68	MicroRNA-3148 acts as molecular switch promoting malignant transformation and adipocytic differentiation of immortalized human bone marrow stromal cells via direct targeting of the SMAD2/TGF pathway. *Cell Death Discovery*, **2020**, 6, 79	6.9	1
67	SOX4: Epigenetic regulation and role in tumorigenesis. *Seminars in Cancer Biology*, **2020**, 67, 91-104	12.7	43
66	Notch Signaling Inhibition by LY411575 Attenuates Osteoblast Differentiation and Decreased Ectopic Bone Formation Capacity of Human Skeletal (Mesenchymal) Stem Cells. *Stem Cells International*, **2019**, 2019, 3041262	5	8
65	Concurrent targeting of BMI1 and CDK4/6 abrogates tumor growth in vitro and in vivo. *Scientific Reports*, **2019**, 9, 13696	4.9	9
64	Neoplastic Transformation of Human Mesenchymal Stromal Cells Mediated via LIN28B. *Scientific Reports*, **2019**, 9, 8101	4.9	15
63	CXCR7 signaling promotes breast cancer survival in response to mesenchymal stromal stem cell-derived factors. *Cell Death Discovery*, **2019**, 5, 87	6.9	10
62	Convergence of TGF and BMP signaling in regulating human bone marrow stromal cell differentiation. *Scientific Reports*, **2019**, 9, 4977	4.9	7
61	PD-L1 Blockade by Atezolizumab Downregulates Signaling Pathways Associated with Tumor Growth, Metastasis, and Hypoxia in Human Triple Negative Breast Cancer. *Cancers*, **2019**, 11,	6.6	33
60	Long non-coding RNA (lncRNA) transcriptional landscape in breast cancer identifies LINC01614 as non-favorable prognostic biomarker regulated by TGF and focal adhesion kinase (FAK) signaling. *Cell Death Discovery*, **2019**, 5, 109	6.9	38
59	Integrated Transcriptome and Pathway Analyses Revealed Multiple Activated Pathways in Breast Cancer. *Frontiers in Oncology*, **2019**, 9, 910	5.3	24
58	Hedgehog Signaling Inhibition by Smoothened Antagonist BMS-833923 Reduces Osteoblast Differentiation and Ectopic Bone Formation of Human Skeletal (Mesenchymal) Stem Cells. *Stem Cells International*, **2019**, 2019, 3435901	5	11

57	Transcriptomic Analyses Revealed Systemic Alterations in Gene Expression in Circulation and Tumor Microenvironment of Colorectal Cancer Patients. *Cancers*, **2019**, 11,	6.6	19
56	Multiple intracellular signaling pathways orchestrate adipocytic differentiation of human bone marrow stromal stem cells. *Bioscience Reports*, **2018**, 38,	4.1	6
55	Romidepsin Promotes Osteogenic and Adipocytic Differentiation of Human Mesenchymal Stem Cells through Inhibition of Histondeacetylase Activity. *Stem Cells International*, **2018**, 2018, 2379546	5	3
54	Gene expression data analysis identifies multiple deregulated pathways in patients with asthma. *Bioscience Reports*, **2018**, 38,	4.1	5
53	Molecular profiling of ALDH1 colorectal cancer stem cells reveals preferential activation of MAPK, FAK, and oxidative stress pro-survival signalling pathways. *Oncotarget*, **2018**, 9, 13551-13564	3.3	30
52	Stem cell library screen identified ruxolitinib as regulator of osteoblastic differentiation of human skeletal stem cells. *Stem Cell Research and Therapy*, **2018**, 9, 319	8.3	10
51	Whole genome mRNA expression profiling revealed multiple deregulated pathways in stromal vascular fraction from erectile dysfunction patients. *Bioscience Reports*, **2018**, 38,	4.1	1
50	Gold-containing compound BDG-I inhibits the growth of A549 lung cancer cells through the deregulation of miRNA expression. *Saudi Pharmaceutical Journal*, **2018**, 26, 1035-1043	4.4	5
49	TGF1-Induced Differentiation of Human Bone Marrow-Derived MSCs Is Mediated by Changes to the Actin Cytoskeleton. *Stem Cells International*, **2018**, 2018, 6913594	5	21
48	MicroRNA-4739 regulates osteogenic and adipocytic differentiation of immortalized human bone marrow stromal cells via targeting LRP3. *Stem Cell Research*, **2017**, 20, 94-104	1.6	23
47	Rapid Biological Synthesis of Silver Nanoparticles Using Plant Seed Extracts and Their Cytotoxicity on Colorectal Cancer Cell Lines. *Journal of Cluster Science*, **2017**, 28, 595-605	3	39
46	SERPINB2 is a novel TGF□responsive lineage fate determinant of human bone marrow stromal cells. *Scientific Reports*, **2017**, 7, 10797	4.9	13
45	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. *Cell Death and Disease*, **2017**, 8, e3045	9.8	196
44	CUDC-907 Promotes Bone Marrow Adipocytic Differentiation Through Inhibition of Histone Deacetylase and Regulation of Cell Cycle. *Stem Cells and Development*, **2017**, 26, 353-362	4.4	21
43	Enhanced efficacy of 5-fluorouracil in combination with a dual histone deacetylase and phosphatidylinositide 3-kinase inhibitor (CUDC-907) in colorectal cancer cells. *Saudi Journal of Gastroenterology*, **2017**, 23, 34-38	3	8
42	Transgelin is a TGF□nducible gene that regulates osteoblastic and adipogenic differentiation of human skeletal stem cells through actin cytoskeleston organization. *Cell Death and Disease*, **2016**, 7, e2321	9.8	47
41	microRNA expression profiling on individual breast cancer patients identifies novel panel of circulating microRNA for early detection. *Scientific Reports*, **2016**, 6, 25997	4.9	81
40	Bone morphogenetic protein 2 (BMP2) induces growth suppression and enhances chemosensitivity of human colon cancer cells. *Cancer Cell International*, **2016**, 16, 77	6.4	27

39	MicroRNA-320 suppresses colorectal cancer by targeting SOX4, FOXM1, and FOXQ1. *Oncotarget*, **2016**, 7, 35789-35802	3.3	62
38	Runt-related Transcription Factor 1 (RUNX1T1) Suppresses Colorectal Cancer Cells Through Regulation of Cell Proliferation and Chemotherapeutic Drug Resistance. *Anticancer Research*, **2016**, 36, 5257-5263	2.3	9
37	Significance of BMI1 and FSCN1 expression in colorectal cancer. *Saudi Journal of Gastroenterology*, **2016**, 22, 288-93	3	14
36	Large-Scale Analysis of Gene Expression Data Reveals a Novel Gene Expression Signature Associated with Colorectal Cancer Distant Recurrence. *PLoS ONE*, **2016**, 11, e0167455	3.7	16
35	Integrated Study of Globally Expressed microRNAs in IL-1β-stimulated Human Osteoarthritis Chondrocytes and Osteoarthritis Relevant Genes: A Microarray and Bioinformatics Analysis. *Nucleosides, Nucleotides and Nucleic Acids*, **2016**, 35, 335-55	1.4	18
34	Epigenetic Library Screen Identifies Abexinostat as Novel Regulator of Adipocytic and Osteoblastic Differentiation of Human Skeletal (Mesenchymal) Stem Cells. *Stem Cells Translational Medicine*, **2016**, 5, 1036-47	6.9	21
33	microRNAs as regulators of adipogenic differentiation of mesenchymal stem cells. *Stem Cells and Development*, **2015**, 24, 417-25	4.4	54
32	CDH1 and IL1-beta expression dictates FAK and MAPKK-dependent cross-talk between cancer cells and human mesenchymal stem cells. *Stem Cell Research and Therapy*, **2015**, 6, 135	8.3	23
31	Angiogenic Potential of Human Neonatal Foreskin Stromal Cells in the Chick Embryo Chorioallantoic Membrane Model. *Stem Cells International*, **2015**, 2015, 257019	5	4
30	Genome-wide mRNA and miRNA expression profiling reveal multiple regulatory networks in colorectal cancer. *Cell Death and Disease*, **2015**, 6, e1614	9.8	72
29	microRNA-320/RUNX2 axis regulates adipocytic differentiation of human mesenchymal (skeletal) stem cells. *Cell Death and Disease*, **2014**, 5, e1499	9.8	97
28	Targeting uroporphyrinogen decarboxylase for head and neck cancer treatment. *BMC Proceedings*, **2013**, 7,	2.3	78
27	Pleiotropic effects of cancer cellsTsecreted factors on human stromal (mesenchymal) stem cells. *Stem Cell Research and Therapy*, **2013**, 4, 114	8.3	36
26	MicroRNA-196b regulates the homeobox B7-vascular endothelial growth factor axis in cervical cancer. *PLoS ONE*, **2013**, 8, e67846	3.7	52
25	MicroRNA-193b enhances tumor progression via down regulation of neurofibromin 1. *PLoS ONE*, **2013**, 8, e53765	3.7	50
24	Enhanced vesicular stomatitis virus (VSV51) targeting of head and neck cancer in combination with radiation therapy or ZD6126 vascular disrupting agent. *Cancer Cell International*, **2012**, 12, 27	6.4	9
23	In vitro differentiation of human skin-derived multipotent stromal cells into putative endothelial-like cells. *BMC Developmental Biology*, **2012**, 12, 7	3.1	50
22	Lin28b promotes head and neck cancer progression via modulation of the insulin-like growth factor survival pathway. *Oncotarget*, **2012**, 3, 1641-52	3.3	67

21	The effect of local breast radiotherapy on circulating CD34(+) cells. *Radiotherapy and Oncology*, **2011**, 100, 304-7	5.3	1
20	MiR-218 suppresses nasopharyngeal cancer progression through downregulation of survivin and the SLIT2-ROBO1 pathway. *Cancer Research*, **2011**, 71, 2381-91	10.1	228
19	Significance of dysregulated metadherin and microRNA-375 in head and neck cancer. *Clinical Cancer Research*, **2011**, 17, 7539-50	12.9	75
18	Uroporphyrinogen decarboxylase is a radiosensitizing target for head and neck cancer. *Science Translational Medicine*, **2011**, 3, 67ra7	17.5	25
17	MicroRNA-301 mediates proliferation and invasion in human breast cancer. *Cancer Research*, **2011**, 71, 2926-37	10.1	214
16	Cancer stem cells. From characterization to therapeutic implications. *Journal of King Abdulaziz University, Islamic Economics*, **2011**, 32, 1229-34	1.1	6
15	Efficacy of combining GMX1777 with radiation therapy for human head and neck carcinoma. *Clinical Cancer Research*, **2010**, 16, 898-911	12.9	33
14	Enhancer of Zeste homolog 2 (EZH2) is overexpressed in recurrent nasopharyngeal carcinoma and is regulated by miR-26a, miR-101, and miR-98. *Cell Death and Disease*, **2010**, 1, e85	9.8	137
13	Significance of Plk1 regulation by miR-100 in human nasopharyngeal cancer. *International Journal of Cancer*, **2010**, 126, 2036-48	7.5	98
12	An increase in cellular size variance contributes to the increase in ultrasound backscatter during cell death. *Ultrasound in Medicine and Biology*, **2010**, 36, 1546-58	3.5	25
11	Therapeutic efficacy of seliciclib in combination with ionizing radiation for human nasopharyngeal carcinoma. *Clinical Cancer Research*, **2009**, 15, 3716-24	12.9	31
10	Oxygen-independent degradation of HIF-alpha via bioengineered VHL tumour suppressor complex. *EMBO Molecular Medicine*, **2009**, 1, 66-78	12	15
9	Targeted depletion of BMI1 sensitizes tumor cells to P53-mediated apoptosis in response to radiation therapy. *Cell Death and Differentiation*, **2009**, 16, 1469-79	12.7	53
8	Efficacy of systemically administered mutant vesicular stomatitis virus (VSVDelta51) combined with radiation for nasopharyngeal carcinoma. *Clinical Cancer Research*, **2008**, 14, 4891-7	12.9	16
7	Nuclear factor-Y and Epstein Barr virus in nasopharyngeal cancer. *Clinical Cancer Research*, **2008**, 14, 984-94	12.9	9
6	Quantitative ultrasound characterization of cancer radiotherapy effects in vitro. *International Journal of Radiation Oncology Biology Physics*, **2008**, 72, 1236-43	4	65
5	Local radiotherapy induces homing of hematopoietic stem cells to the irradiated bone marrow. *Cancer Research*, **2007**, 67, 10112-6	10.1	26
4	Imaging the modulation of adenoviral kinetics and biodistribution for cancer gene therapy. *Molecular Therapy*, **2007**, 15, 921-9	11.7	17

3	Cloning and expression of human membrane-bound and soluble engineered T cell receptors for immunotherapy. *Journal of Biomedicine and Biotechnology*, **2006**, 2006, 68091		1
2	Therapeutic potential of a tumor-specific, MHC-unrestricted T-cell receptor expressed on effector cells of the innate and the adaptive immune system through bone marrow transduction and immune reconstitution. *Blood*, **2005**, 105, 4583-9	2.2	37
1	MUC1 immunobiology: from discovery to clinical applications. *Advances in Immunology*, **2004**, 82, 249-93	5.6	179