

# Nehad M Alajezi

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

4,167  
citations

109137

35  
h-index

123241

61  
g-index

102  
all docs

102  
docs citations

102  
times ranked

6611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. <i>Cell Death and Disease</i> , 2017, 8, e3045-e3045.	2.7	291
2	miR-218 Suppresses Nasopharyngeal Cancer Progression through Downregulation of Survivin and the SLIT2-ROBO1 Pathway. <i>Cancer Research</i> , 2011, 71, 2381-2391.	0.4	258
3	MicroRNA-301 Mediates Proliferation and Invasion in Human Breast Cancer. <i>Cancer Research</i> , 2011, 71, 2926-2937.	0.4	242
4	MUC1 Immunobiology: From Discovery to Clinical Applications. <i>Advances in Immunology</i> , 2004, 82, 249-293.	1.1	202
5	Enhancer of Zeste homolog 2 (EZH2) is overexpressed in recurrent nasopharyngeal carcinoma and is regulated by miR-26a, miR-101, and miR-98. <i>Cell Death and Disease</i> , 2010, 1, e85-e85.	2.7	148
6	Single-Cell Transcriptome Analysis Highlights a Role for Neutrophils and Inflammatory Macrophages in the Pathogenesis of Severe COVID-19. <i>Cells</i> , 2020, 9, 2374.	1.8	147
7	microRNA expression profiling on individual breast cancer patients identifies novel panel of circulating microRNA for early detection. <i>Scientific Reports</i> , 2016, 6, 25997.	1.6	132
8	Significance of Plk1 regulation by miR-100 in human nasopharyngeal cancer. <i>International Journal of Cancer</i> , 2010, 126, 2036-2048.	2.3	126
9	microRNA-320/RUNX2 axis regulates adipocytic differentiation of human mesenchymal (skeletal) stem cells. <i>Cell Death and Disease</i> , 2014, 5, e1499-e1499.	2.7	119
10	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. <i>Genes</i> , 2020, 11, 760.	1.0	107
11	Genome-wide mRNA and miRNA expression profiling reveal multiple regulatory networks in colorectal cancer. <i>Cell Death and Disease</i> , 2015, 6, e1614-e1614.	2.7	86
12	Transgelin is a TGF $\beta$ <sup>2</sup> -inducible gene that regulates osteoblastic and adipogenic differentiation of human skeletal stem cells through actin cytoskeleton organization. <i>Cell Death and Disease</i> , 2016, 7, e2321-e2321.	2.7	86
13	Significance of Dysregulated Metadherin and MicroRNA-375 in Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 7539-7550.	3.2	82
14	Quantitative Ultrasound Characterization of Cancer Radiotherapy Effects In Vitro. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1236-1243.	0.4	75
15	MicroRNA-320 suppresses colorectal cancer by targeting SOX4, FOXM1, and FOXQ1. <i>Oncotarget</i> , 2016, 7, 35789-35802.	0.8	75
16	SOX4: Epigenetic regulation and role in tumorigenesis. <i>Seminars in Cancer Biology</i> , 2020, 67, 91-104.	4.3	74
17	Lin28b Promotes Head and Neck Cancer Progression via Modulation of the Insulin-Like Growth Factor Survival Pathway. <i>Oncotarget</i> , 2012, 3, 1641-1652.	0.8	74
18	Long non-coding RNA (lncRNA) transcriptional landscape in breast cancer identifies LINC01614 as non-favorable prognostic biomarker regulated by TGF $\beta$ <sup>2</sup> and focal adhesion kinase (FAK) signaling. <i>Cell Death Discovery</i> , 2019, 5, 109.	2.0	63

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19	Targeted depletion of BMI1 sensitizes tumor cells to P53-mediated apoptosis in response to radiation therapy. <i>Cell Death and Differentiation</i> , 2009, 16, 1469-1479.	5.0	61
20	microRNAs as Regulators of Adipogenic Differentiation of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 417-425.	1.1	61
21	MicroRNA-196b Regulates the Homeobox B7-Vascular Endothelial Growth Factor Axis in Cervical Cancer. <i>PLoS ONE</i> , 2013, 8, e67846.	1.1	60
22	In vitro differentiation of human skin-derived multipotent stromal cells into putative endothelial-like cells. <i>BMC Developmental Biology</i> , 2012, 12, 7.	2.1	58
23	Noncoding RNAs as potential mediators of resistance to cancer immunotherapy. <i>Seminars in Cancer Biology</i> , 2020, 65, 65-79.	4.3	55
24	MicroRNA-193b Enhances Tumor Progression via Down Regulation of Neurofibromin 1. <i>PLoS ONE</i> , 2013, 8, e53765.	1.1	53
25	Transcriptomic profiling disclosed the role of DNA methylation and histone modifications in tumor-infiltrating myeloid-derived suppressor cell subsets in colorectal cancer. <i>Clinical Epigenetics</i> , 2020, 12, 13.	1.8	52
26	PD-L1 Blockade by Atezolizumab Downregulates Signaling Pathways Associated with Tumor Growth, Metastasis, and Hypoxia in Human Triple Negative Breast Cancer. <i>Cancers</i> , 2019, 11, 1050.	1.7	50
27	Single-cell long noncoding RNA (lncRNA) transcriptome implicates MALAT1 in triple-negative breast cancer (TNBC) resistance to neoadjuvant chemotherapy. <i>Cell Death Discovery</i> , 2021, 7, 23.	2.0	48
28	Rapid Biological Synthesis of Silver Nanoparticles Using Plant Seed Extracts and Their Cytotoxicity on Colorectal Cancer Cell Lines. <i>Journal of Cluster Science</i> , 2017, 28, 595-605.	1.7	46
29	Pleiotropic effects of cancer cells' secreted factors on human stromal (mesenchymal) stem cells. <i>Stem Cell Research and Therapy</i> , 2013, 4, 114.	2.4	45
30	Integrated Transcriptome and Pathway Analyses Revealed Multiple Activated Pathways in Breast Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 910.	1.3	44
31	Epigenetic regulation of triple negative breast cancer (TNBC) by TGF- $\beta$ 2 signaling. <i>Scientific Reports</i> , 2021, 11, 15410.	1.6	44
32	Molecular profiling of ALDH1+ colorectal cancer stem cells reveals preferential activation of MAPK, FAK, and oxidative stress pro-survival signalling pathways. <i>Oncotarget</i> , 2018, 9, 13551-13564.	0.8	42
33	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. <i>Blood</i> , 2005, 105, 4583-4589.	0.6	39
34	Bone morphogenetic protein 2 (BMP2) induces growth suppression and enhances chemosensitivity of human colon cancer cells. <i>Cancer Cell International</i> , 2016, 16, 77.	1.8	38
35	MicroRNA-4739 regulates osteogenic and adipocytic differentiation of immortalized human bone marrow stromal cells via targeting LRP3. <i>Stem Cell Research</i> , 2017, 20, 94-104.	0.3	37
36	An Increase in Cellular Size Variance Contributes to the Increase in Ultrasound Backscatter During Cell Death. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1546-1558.	0.7	36

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37	Efficacy of Combining GMX1777 with Radiation Therapy for Human Head and Neck Carcinoma. <i>Clinical Cancer Research</i> , 2010, 16, 898-911.	3.2	36
38	Resveratrol inhibits adipocyte differentiation and cellular senescence of human bone marrow stromal stem cells. <i>Bone</i> , 2020, 133, 115252.	1.4	36
39	Long non-coding RNA and RNA-binding protein interactions in cancer: Experimental and machine learning approaches. <i>Seminars in Cancer Biology</i> , 2022, 86, 325-345.	4.3	35
40	Therapeutic Efficacy of Seliciclib in Combination with Ionizing Radiation for Human Nasopharyngeal Carcinoma. <i>Clinical Cancer Research</i> , 2009, 15, 3716-3724.	3.2	33
41	Transcriptomic Analyses Revealed Systemic Alterations in Gene Expression in Circulation and Tumor Microenvironment of Colorectal Cancer Patients. <i>Cancers</i> , 2019, 11, 1994.	1.7	33
42	Uroporphyrinogen Decarboxylase Is a Radiosensitizing Target for Head and Neck Cancer. <i>Science Translational Medicine</i> , 2011, 3, 67ra7.	5.8	32
43	TGF $\beta$ 1-Induced Differentiation of Human Bone Marrow-Derived MSCs Is Mediated by Changes to the Actin Cytoskeleton. <i>Stem Cells International</i> , 2018, 2018, 1-14.	1.2	31
44	Transgelin is a poor prognostic factor associated with advanced colorectal cancer (CRC) stage promoting tumor growth and migration in a TGF $\beta$ 2-dependent manner. <i>Cell Death and Disease</i> , 2020, 11, 341.	2.7	30
45	MicroRNA Expression Profiling on Paired Primary and Lymph Node Metastatic Breast Cancer Revealed Distinct microRNA Profile Associated With LNM. <i>Frontiers in Oncology</i> , 2020, 10, 756.	1.3	30
46	Local Radiotherapy Induces Homing of Hematopoietic Stem Cells to the Irradiated Bone Marrow. <i>Cancer Research</i> , 2007, 67, 10112-10116.	0.4	28
47	CDH1 and IL1-beta expression dictates FAK and MAPKK-dependent cross-talk between cancer cells and human mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 135.	2.4	27
48	Epigenetic Library Screen Identifies Abexinostat as Novel Regulator of Adipocytic and Osteoblastic Differentiation of Human Skeletal (Mesenchymal) Stem Cells. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1036-1047.	1.6	27
49	Integrated Study of Globally Expressed microRNAs in IL-1 $\beta$ -stimulated Human Osteoarthritis Chondrocytes and Osteoarthritis Relevant Genes: A Microarray and Bioinformatics Analysis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 335-355.	0.4	26
50	Neoplastic Transformation of Human Mesenchymal Stromal Cells Mediated via LIN28B. <i>Scientific Reports</i> , 2019, 9, 8101.	1.6	25
51	CLDC-907 Promotes Bone Marrow Adipocytic Differentiation Through Inhibition of Histone Deacetylase and Regulation of Cell Cycle. <i>Stem Cells and Development</i> , 2017, 26, 353-362.	1.1	24
52	Oxygen-independent degradation of HIF $\alpha$ via bioengineered VHL tumour suppressor complex. <i>EMBO Molecular Medicine</i> , 2009, 1, 66-78.	3.3	21
53	Large-Scale Analysis of Gene Expression Data Reveals a Novel Gene Expression Signature Associated with Colorectal Cancer Distant Recurrence. <i>PLoS ONE</i> , 2016, 11, e0167455.	1.1	21
54	SERPINB2 is a novel TGF $\beta$ 2-responsive lineage fate determinant of human bone marrow stromal cells. <i>Scientific Reports</i> , 2017, 7, 10797.	1.6	20

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55	Imaging the Modulation of Adenoviral Kinetics and Biodistribution for Cancer Gene Therapy. <i>Molecular Therapy</i> , 2007, 15, 921-929.	3.7	19
56	Transcriptomic Profiling of Tumor-Infiltrating CD4+TIM-3+ T Cells Reveals Their Suppressive, Exhausted, and Metastatic Characteristics in Colorectal Cancer Patients. <i>Vaccines</i> , 2020, 8, 71.	2.1	19
57	Molecular subtyping and functional validation of TTK, TPX2, UBE2C, and LRP8 in sensitivity of TNBC to paclitaxel. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 601-614.	1.8	19
58	Identification of PBMC-based molecular signature associational with COVID-19 disease severity. <i>Heliyon</i> , 2021, 7, e06866.	1.4	19
59	Runt-related Transcription Factor 1 (RUNX1T1) Suppresses Colorectal Cancer Cells Through Regulation of Cell Proliferation and Chemotherapeutic Drug Resistance. <i>Anticancer Research</i> , 2016, 36, 5257-5264.	0.5	19
60	Transcriptional landscape associated with TNBC resistance to neoadjuvant chemotherapy revealed by single-cell RNA-seq. <i>Molecular Therapy - Oncolytics</i> , 2021, 23, 151-162.	2.0	18
61	Pembrolizumab Interferes with the Differentiation of Human FOXP3+ Induced T Regulatory Cells, but Not with FOXP3 Stability, through Activation of mTOR. <i>Journal of Immunology</i> , 2020, 204, 199-211.	0.4	17
62	Efficacy of Systemically Administered Mutant Vesicular Stomatitis Virus (VSV $\Delta$ 51) Combined with Radiation for Nasopharyngeal Carcinoma. <i>Clinical Cancer Research</i> , 2008, 14, 4891-4897.	3.2	16
63	Hedgehog Signaling Inhibition by Smoothed Antagonist BMS-833923 Reduces Osteoblast Differentiation and Ectopic Bone Formation of Human Skeletal (Mesenchymal) Stem Cells. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	16
64	Significance of BMI1 and FSCN1 expression in colorectal cancer. <i>Saudi Journal of Gastroenterology</i> , 2016, 22, 288.	0.5	16
65	Molecular Classification of Breast Cancer Utilizing Long Non-Coding RNA (lncRNA) Transcriptomes Identifies Novel Diagnostic lncRNA Panel for Triple-Negative Breast Cancer. <i>Cancers</i> , 2021, 13, 5350.	1.7	16
66	Concurrent targeting of BMI1 and CDK4/6 abrogates tumor growth in vitro and in vivo. <i>Scientific Reports</i> , 2019, 9, 13696.	1.6	15
67	Convergence of TGF $\beta$ 2 and BMP signaling in regulating human bone marrow stromal cell differentiation. <i>Scientific Reports</i> , 2019, 9, 4977.	1.6	15
68	Stem cell library screen identified ruxolitinib as regulator of osteoblastic differentiation of human skeletal stem cells. <i>Stem Cell Research and Therapy</i> , 2018, 9, 319.	2.4	14
69	CXCR7 signaling promotes breast cancer survival in response to mesenchymal stromal stem cell-derived factors. <i>Cell Death Discovery</i> , 2019, 5, 87.	2.0	13
70	Notch Signaling Inhibition by LY411575 Attenuates Osteoblast Differentiation and Decreased Ectopic Bone Formation Capacity of Human Skeletal (Mesenchymal) Stem Cells. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	12
71	Identification of Novel Circulating miRNAs in Patients with Acute Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3387.	1.8	11
72	Nuclear Factor-Y and Epstein Barr Virus in Nasopharyngeal Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 984-994.	3.2	10

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73	Enhanced vesicular stomatitis virus (VSV) targeting of head and neck cancer in combination with radiation therapy or ZD6126 vascular disrupting agent. <i>Cancer Cell International</i> , 2012, 12, 27.	1.8	10
74	Multiple intracellular signaling pathways orchestrate adipocytic differentiation of human bone marrow stromal stem cells. <i>Bioscience Reports</i> , 2018, 38, .	1.1	10
75	Computational and Transcriptome Analyses Revealed Preferential Induction of Chemotaxis and Lipid Synthesis by SARS-CoV-2. <i>Biology</i> , 2020, 9, 260.	1.3	10
76	RNA-Seq Analysis of Colorectal Tumor-Infiltrating Myeloid-Derived Suppressor Cell Subsets Revealed Gene Signatures of Poor Prognosis. <i>Frontiers in Oncology</i> , 2020, 10, 604906.	1.3	8
77	Enhanced efficacy of 5-fluorouracil in combination with a dual histone deacetylase and phosphatidylinositide 3-kinase inhibitor (CUDC-907) in colorectal cancer cells. <i>Saudi Journal of Gastroenterology</i> , 2017, 23, 34.	0.5	8
78	Transcriptomic Analyses of Myeloid-Derived Suppressor Cell Subsets in the Circulation of Colorectal Cancer Patients. <i>Frontiers in Oncology</i> , 2020, 10, 1530.	1.3	7
79	Integrated whole transcriptome and small RNA analysis revealed multiple regulatory networks in colorectal cancer. <i>Scientific Reports</i> , 2021, 11, 14456.	1.6	7
80	Angiogenic Potential of Human Neonatal Foreskin Stromal Cells in the Chick Embryo Chorioallantoic Membrane Model. <i>Stem Cells International</i> , 2015, 2015, 1-11.	1.2	6
81	Gold-containing compound BDG-I inhibits the growth of A549 lung cancer cells through the deregulation of miRNA expression. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 1035-1043.	1.2	6
82	Romidepsin Promotes Osteogenic and Adipocytic Differentiation of Human Mesenchymal Stem Cells through Inhibition of Histone deacetylase Activity. <i>Stem Cells International</i> , 2018, 2018, 1-12.	1.2	6
83	Gene expression data analysis identifies multiple deregulated pathways in patients with asthma. <i>Bioscience Reports</i> , 2018, 38, .	1.1	6
84	Cancer stem cells. From characterization to therapeutic implications. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2011, 32, 1229-34.	0.5	6
85	Transcriptional alterations of protein coding and noncoding RNAs in triple negative breast cancer in response to DNA methyltransferases inhibition. <i>Cancer Cell International</i> , 2021, 21, 515.	1.8	5
86	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 $\beta$ 2 pathway. <i>Cell Death Discovery</i> , 2020, 6, 79.	2.0	3
87	Comprehensive Transcriptome and Pathway Analyses Revealed Central Role for Fascin in Promoting Triple-Negative Breast Cancer Progression. <i>Pharmaceuticals</i> , 2021, 14, 1228.	1.7	3
88	LncRNA-Based Classification of Triple Negative Breast Cancer Revealed Inherent Tumor Heterogeneity and Vulnerabilities. <i>Non-coding RNA</i> , 2022, 8, 44.	1.3	3
89	The effect of local breast radiotherapy on circulating CD34+ cells. <i>Radiotherapy and Oncology</i> , 2011, 100, 304-307.	0.3	2
90	Transcriptomic Profiling of Circulating HLA-DR <sup>+</sup> Myeloid Cells, Compared with HLA-DR <sup>+</sup> Myeloid Antigen-presenting Cells. <i>Immunological Investigations</i> , 2021, 50, 952-963.	1.0	2

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91	Cloning and Expression of Human Membrane-Bound and Soluble Engineered T Cell Receptors for Immunotherapy. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-9.	3.0	1
92	Whole genome mRNA expression profiling revealed multiple deregulated pathways in stromal vascular fraction from erectile dysfunction patients. Bioscience Reports, 2018, 38, .	1.1	1
93	COVID-19: complexity of disease severity revealed by systemic and localized single cell immune atlas. Signal Transduction and Targeted Therapy, 2021, 6, 156.	7.1	1
94	Abstract 3967: Identification of metadherin as a novel target of miR-375 in head and neck cancer. , 2011, , .		1
95	Targeting uroporphyrinogen decarboxylase for head and neck cancer treatment. BMC Proceedings, 2013, 7, .	1.8	0
96	Variable effects of tumor secreted factors on human mesenchymal stem cell. Experimental Hematology, 2013, 41, S63.	0.2	0
97	Apigenin and rutaecarpine target cellular senescence to prevent aging-bone phenotype in human mesenchymal skeletal stem cells. Free Radical Biology and Medicine, 2021, 165, 32.	1.3	0
98	Abstract 2023: Potential importance of micro-RNA-193b in human head and neck squamous cell carcinoma. , 2010, , .		0
99	Abstract S5Y01-03: An RNAi screen identifies a heme biosynthetic mediator as a novel radiosensitizing target for head and neck cancer. , 2010, , .		0
100	Abstract 1192: Regulation of CCND2, HMGA2, and the IGF pathway by LIN28B in HPV negative head and neck squamous cell carcinoma (HNSCC). , 2011, , .		0
101	Abstract 301: Concurrent targeting of BMI1 and CDK4/6 inhibited breast cancer tumorigenicity in vitro and in vivo. , 2019, , .		0
102	Abstract 301: Concurrent targeting of BMI1 and CDK4/6 inhibited breast cancer tumorigenicity in vitro and in vivo. , 2019, , .		0