

Nehad M Alajez

List of Publications by Year in descending order

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102
papers

4,167
citations

109321
35
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123424
61
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102
all docs

102
docs citations

102
times ranked

6611
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Novel Circulating miRNAs in Patients with Acute Ischemic Stroke. International Journal of Molecular Sciences, 2022, 23, 3387.	4.1	11
2	Long non-coding RNA and RNA-binding protein interactions in cancer: Experimental and machine learning approaches. Seminars in Cancer Biology, 2022, 86, 325-345.	9.6	35
3	LncRNA-Based Classification of Triple Negative Breast Cancer Revealed Inherent Tumor Heterogeneity and Vulnerabilities. Non-coding RNA, 2022, 8, 44.	2.6	3
4	Transcriptomic Profiling of Circulating HLA-DR ⁺ Myeloid Cells, Compared with HLA-DR ⁺ Myeloid Antigen-presenting Cells. Immunological Investigations, 2021, 50, 952-963.	2.0	2
5	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.	4.7	48
6	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.	2.9	0
7	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.	4.1	19
8	COVID-19: complexity of disease severity revealed by systemic and localized single cell immune atlas. Signal Transduction and Targeted Therapy, 2021, 6, 156.	17.1	1
9	Identification of PBMC-based molecular signature associational with COVID-19 disease severity. Heliyon, 2021, 7, e06866.	3.2	19
10	Integrated whole transcriptome and small RNA analysis revealed multiple regulatory networks in colorectal cancer. Scientific Reports, 2021, 11, 14456.	3.3	7
11	Epigenetic regulation of triple negative breast cancer (TNBC) by TGF- β 2 signaling. Scientific Reports, 2021, 11, 15410.	3.3	44
12	Transcriptional landscape associated with TNBC resistance to neoadjuvant chemotherapy revealed by single-cell RNA-seq. Molecular Therapy - Oncolytics, 2021, 23, 151-162.	4.4	18
13	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.	4.1	5
14	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, 5350.	3.7	16
15	Comprehensive Transcriptome and Pathway Analyses Revealed Central Role for Fascin in Promoting Triple-Negative Breast Cancer Progression. Pharmaceuticals, 2021, 14, 1228.	3.8	3
16	SOX4: Epigenetic regulation and role in tumorigenesis. Seminars in Cancer Biology, 2020, 67, 91-104.	9.6	74
17	Noncoding RNAs as potential mediators of resistance to cancer immunotherapy. Seminars in Cancer Biology, 2020, 65, 65-79.	9.6	55
18	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.	0.8	17

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19	Computational and Transcriptome Analyses Revealed Preferential Induction of Chemotaxis and Lipid Synthesis by SARS-CoV-2. <i>Biology</i> , 2020, 9, 260.	2.8	10
20	Transcriptomic Analyses of Myeloid-Derived Suppressor Cell Subsets in the Circulation of Colorectal Cancer Patients. <i>Frontiers in Oncology</i> , 2020, 10, 1530.	2.8	7
21	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 β 2 pathway. <i>Cell Death Discovery</i> , 2020, 6, 79.	4.7	3
22	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.	2.8	8
23	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.	4.1	147
24	Transgelin is a poor prognostic factor associated with advanced colorectal cancer (CRC) stage promoting tumor growth and migration in a TGF β 2-dependent manner. <i>Cell Death and Disease</i> , 2020, 11, 341.	6.3	30
25	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.	2.8	30
26	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.	2.4	107
27	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.	4.4	19
28	Resveratrol inhibits adipocyte differentiation and cellular senescence of human bone marrow stromal stem cells. <i>Bone</i> , 2020, 133, 115252.	2.9	36
29	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.	4.1	52
30	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.	3.7	50
31	Long non-coding RNA (lncRNA) transcriptional landscape in breast cancer identifies LINC01614 as non-favorable prognostic biomarker regulated by TGF β 2 and focal adhesion kinase (FAK) signaling. <i>Cell Death Discovery</i> , 2019, 5, 109.	4.7	63
32	Integrated Transcriptome and Pathway Analyses Revealed Multiple Activated Pathways in Breast Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 910.	2.8	44
33	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, 1-12.	2.5	12
34	Concurrent targeting of BMI1 and CDK4/6 abrogates tumor growth in vitro and in vivo. <i>Scientific Reports</i> , 2019, 9, 13696.	3.3	15
35	Neoplastic Transformation of Human Mesenchymal Stromal Cells Mediated via LIN28B. <i>Scientific Reports</i> , 2019, 9, 8101.	3.3	25
36	CXCR7 signaling promotes breast cancer survival in response to mesenchymal stromal stem cell-derived factors. <i>Cell Death Discovery</i> , 2019, 5, 87.	4.7	13

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37	Convergence of TGF β 2 and BMP signaling in regulating human bone marrow stromal cell differentiation. Scientific Reports, 2019, 9, 4977.	3.3	15
38	Hedgehog Signaling Inhibition by Smoothed Antagonist BMS-833923 Reduces Osteoblast Differentiation and Ectopic Bone Formation of Human Skeletal (Mesenchymal) Stem Cells. Stem Cells International, 2019, 2019, 1-12.	2.5	16
39	Transcriptomic Analyses Revealed Systemic Alterations in Gene Expression in Circulation and Tumor Microenvironment of Colorectal Cancer Patients. Cancers, 2019, 11, 1994.	3.7	33
40	Abstract 301: Concurrent targeting of BMI1 and CDK4/6 inhibited breast cancer tumorigenicity in vitro and in vivo. , 2019, , .		0
41	Abstract 301: Concurrent targeting of BMI1 and CDK4/6 inhibited breast cancer tumorigenicity in vitro and in vivo. , 2019, , .		0
42	Multiple intracellular signaling pathways orchestrate adipocytic differentiation of human bone marrow stromal stem cells. Bioscience Reports, 2018, 38, .	2.4	10
43	Stem cell library screen identified ruxolitinib as regulator of osteoblastic differentiation of human skeletal stem cells. Stem Cell Research and Therapy, 2018, 9, 319.	5.5	14
44	Whole genome mRNA expression profiling revealed multiple deregulated pathways in stromal vascular fraction from erectile dysfunction patients. Bioscience Reports, 2018, 38, .	2.4	1
45	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.	2.7	6
46	TGF β 1-Induced Differentiation of Human Bone Marrow-Derived MSCs Is Mediated by Changes to the Actin Cytoskeleton. Stem Cells International, 2018, 2018, 1-14.	2.5	31
47	Romidepsin Promotes Osteogenic and Adipocytic Differentiation of Human Mesenchymal Stem Cells through Inhibition of Histone deacetylase Activity. Stem Cells International, 2018, 2018, 1-12.	2.5	6
48	Gene expression data analysis identifies multiple deregulated pathways in patients with asthma. Bioscience Reports, 2018, 38, .	2.4	6
49	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.	1.8	42
50	MicroRNA-4739 regulates osteogenic and adipocytic differentiation of immortalized human bone marrow stromal cells via targeting LRP3. Stem Cell Research, 2017, 20, 94-104.	0.7	37
51	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.	3.3	46
52	SERPINB2 is a novel TGF β 2-responsive lineage fate determinant of human bone marrow stromal cells. Scientific Reports, 2017, 7, 10797.	3.3	20
53	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. Cell Death and Disease, 2017, 8, e3045-e3045.	6.3	291
54	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.	2.1	24

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55	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.	1.1	8
56	Large-Scale Analysis of Gene Expression Data Reveals a Novel Gene Expression Signature Associated with Colorectal Cancer Distant Recurrence. PLoS ONE, 2016, 11, e0167455.	2.5	21
57	Integrated Study of Globally Expressed microRNAs in IL-1 β -stimulated Human Osteoarthritis Chondrocytes and Osteoarthritis Relevant Genes: A Microarray and Bioinformatics Analysis. Nucleosides, Nucleotides and Nucleic Acids, 2016, 35, 335-355.	1.1	26
58	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, 1036-1047.	3.3	27
59	Transgelin is a TGF β 2-inducible gene that regulates osteoblastic and adipogenic differentiation of human skeletal stem cells through actin cytoskeleton organization. Cell Death and Disease, 2016, 7, e2321-e2321.	6.3	86
60	microRNA expression profiling on individual breast cancer patients identifies novel panel of circulating microRNA for early detection. Scientific Reports, 2016, 6, 25997.	3.3	132
61	Bone morphogenetic protein 2 (BMP2) induces growth suppression and enhances chemosensitivity of human colon cancer cells. Cancer Cell International, 2016, 16, 77.	4.1	38
62	MicroRNA-320 suppresses colorectal cancer by targeting SOX4, FOXM1, and FOXQ1. Oncotarget, 2016, 7, 35789-35802.	1.8	75
63	Runt-related Transcription Factor 1 (RUNX1T1) Suppresses Colorectal Cancer Cells Through Regulation of Cell Proliferation and Chemotherapeutic Drug Resistance. Anticancer Research, 2016, 36, 5257-5264.	1.1	19
64	Significance of BMI1 and FSCN1 expression in colorectal cancer. Saudi Journal of Gastroenterology, 2016, 22, 288.	1.1	16
65	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.	5.5	27
66	Angiogenic Potential of Human Neonatal Foreskin Stromal Cells in the Chick Embryo Chorioallantoic Membrane Model. Stem Cells International, 2015, 2015, 1-11.	2.5	6
67	Genome-wide mRNA and miRNA expression profiling reveal multiple regulatory networks in colorectal cancer. Cell Death and Disease, 2015, 6, e1614-e1614.	6.3	86
68	microRNAs as Regulators of Adipogenic Differentiation of Mesenchymal Stem Cells. Stem Cells and Development, 2015, 24, 417-425.	2.1	61
69	microRNA-320/RUNX2 axis regulates adipocytic differentiation of human mesenchymal (skeletal) stem cells. Cell Death and Disease, 2014, 5, e1499-e1499.	6.3	119
70	Targeting uroporphyrinogen decarboxylase for head and neck cancer treatment. BMC Proceedings, 2013, 7, .	1.6	0
71	Variable effects of tumor secreted factors on human mesenchymal stem cell. Experimental Hematology, 2013, 41, S63.	0.4	0
72	Pleiotropic effects of cancer cells' secreted factors on human stromal (mesenchymal) stem cells. Stem Cell Research and Therapy, 2013, 4, 114.	5.5	45

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73	MicroRNA-196b Regulates the Homeobox B7-Vascular Endothelial Growth Factor Axis in Cervical Cancer. PLoS ONE, 2013, 8, e67846.	2.5	60
74	MicroRNA-193b Enhances Tumor Progression via Down Regulation of Neurofibromin 1. PLoS ONE, 2013, 8, e53765.	2.5	53
75	Enhanced vesicular stomatitis virus (VSV) targeting of head and neck cancer in combination with radiation therapy or ZD6126 vascular disrupting agent. Cancer Cell International, 2012, 12, 27.	4.1	10
76	In vitro differentiation of human skin-derived multipotent stromal cells into putative endothelial-like cells. BMC Developmental Biology, 2012, 12, 7.	2.1	58
77	Lin28b Promotes Head and Neck Cancer Progression via Modulation of the Insulin-Like Growth Factor Survival Pathway. Oncotarget, 2012, 3, 1641-1652.	1.8	74
78	The effect of local breast radiotherapy on circulating CD34+ cells. Radiotherapy and Oncology, 2011, 100, 304-307.	0.6	2
79	miR-218 Suppresses Nasopharyngeal Cancer Progression through Downregulation of Survivin and the SLIT2-ROBO1 Pathway. Cancer Research, 2011, 71, 2381-2391.	0.9	258
80	Significance of Dysregulated Metadherin and MicroRNA-375 in Head and Neck Cancer. Clinical Cancer Research, 2011, 17, 7539-7550.	7.0	82
81	Uroporphyrinogen Decarboxylase Is a Radiosensitizing Target for Head and Neck Cancer. Science Translational Medicine, 2011, 3, 67ra7.	12.4	32
82	MicroRNA-301 Mediates Proliferation and Invasion in Human Breast Cancer. Cancer Research, 2011, 71, 2926-2937.	0.9	242
83	Abstract 3967: Identification of metadherin as a novel target of miR-375 in head and neck cancer. , 2011, , .		1
84	Abstract 1192: Regulation of CCND2, HMGA2, and the IGF pathway by LIN28B in HPV negative head and neck squamous cell carcinoma (HNSCC). , 2011, , .		0
85	Cancer stem cells. From characterization to therapeutic implications. Journal of King Abdulaziz University, Islamic Economics, 2011, 32, 1229-34.	1.1	6
86	Significance of Plk1 regulation by miR-100 in human nasopharyngeal cancer. International Journal of Cancer, 2010, 126, 2036-2048.	5.1	126
87	An Increase in Cellular Size Variance Contributes to the Increase in Ultrasound Backscatter During Cell Death. Ultrasound in Medicine and Biology, 2010, 36, 1546-1558.	1.5	36
88	Efficacy of Combining GMX1777 with Radiation Therapy for Human Head and Neck Carcinoma. Clinical Cancer Research, 2010, 16, 898-911.	7.0	36
89	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-e85.	6.3	148
90	Abstract 2023: Potential importance of micro-RNA-193b in human head and neck squamous cell carcinoma. , 2010, , .		0

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91	Abstract SSY01-03: An RNAi screen identifies a heme biosynthetic mediator as a novel radiosensitizing target for head and neck cancer. , 2010, , .		0
92	Therapeutic Efficacy of Seliciclib in Combination with Ionizing Radiation for Human Nasopharyngeal Carcinoma. Clinical Cancer Research, 2009, 15, 3716-3724.	7.0	33
93	Oxygen-independent degradation of HIF-1 α via bioengineered VHL tumour suppressor complex. EMBO Molecular Medicine, 2009, 1, 66-78.	6.9	21
94	Targeted depletion of BMI1 sensitizes tumor cells to P53-mediated apoptosis in response to radiation therapy. Cell Death and Differentiation, 2009, 16, 1469-1479.	11.2	61
95	Quantitative Ultrasound Characterization of Cancer Radiotherapy Effects In Vitro. International Journal of Radiation Oncology Biology Physics, 2008, 72, 1236-1243.	0.8	75
96	Efficacy of Systemically Administered Mutant Vesicular Stomatitis Virus (VSV Δ 51) Combined with Radiation for Nasopharyngeal Carcinoma. Clinical Cancer Research, 2008, 14, 4891-4897.	7.0	16
97	Nuclear Factor- κ B and Epstein Barr Virus in Nasopharyngeal Cancer. Clinical Cancer Research, 2008, 14, 984-994.	7.0	10
98	Local Radiotherapy Induces Homing of Hematopoietic Stem Cells to the Irradiated Bone Marrow. Cancer Research, 2007, 67, 10112-10116.	0.9	28
99	Imaging the Modulation of Adenoviral Kinetics and Biodistribution for Cancer Gene Therapy. Molecular Therapy, 2007, 15, 921-929.	8.2	19
100	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
101	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, 4583-4589.	1.4	39
102	MUC1 Immunobiology: From Discovery to Clinical Applications. Advances in Immunology, 2004, 82, 249-293.	2.2	202