Cigir Biray Avci

List of Publications by Year in descending order

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257450 254184 123 2,398 24 43 citations g-index h-index papers 128 128 128 3999 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Investigating the Effects of a Synthetic Cannabinoid on the Pathogenesis of Leukemia and Leukemic Stem Cells: A New Therapeutic Approach. Cannabis and Cannabinoid Research, 2024, 9, 212-222.	2.9	1
2	Propolis Extract Regulates microRNA Expression in Glioblastoma and Brain Cancer Stem Cells. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 378-389.	1.7	9
3	In Vitro Effects of Propofol on Cytotoxic, Apoptotic and PI3K-Akt Signaling Pathway Genes on Brain Cancer Cells. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 356-361.	1.7	3
4	CAR T Cells: Cancer Cell Surface Receptors Are the Target for Cancer Therapy. Advanced Pharmaceutical Bulletin, 2022, 12, 476-489.	1.4	2
5	Combination of resveratrol and BIBR1532 inhibits proliferation of colon cancer cells by repressing expression of LncRNAs. Medical Oncology, 2022, 39, 12.	2.5	14
6	The role of the WNT signaling pathway in the maxillary sinus squamous cell carcinoma. Medical Oncology, 2022, 39, 42.	2.5	1
7	Combination of dasatinib and okadaic acid induces apoptosis and cell cycle arrest by targeting protein phosphatase PP2A in chronic myeloid leukemia cells. Medical Oncology, 2022, 39, 46.	2.5	5
8	Comparative expression analysis of dasatinib and ponatinib-regulated lncRNAs in chronic myeloid leukemia and their network analysis. Medical Oncology, 2022, 39, 29.	2.5	1
9	Conditioned medium from amniotic fluid mesenchymal stem cells could modulate Alzheimer's disease-like changes in human neuroblastoma cell line SY-SY5Y in a paracrine manner. Tissue and Cell, 2022, 76, 101808.	2.2	2
10	The effects of Epigallocatechin-3-gallate and Dabrafenib combination on apoptosis and the genes involved in epigenetic events in anaplastic thyroid cancer cells. Medical Oncology, 2022, 39, .	2.5	3
11	<i>Origanum Sipyleum</i> Methanol Extract in Combination with Ponatinib Shows Synergistic anti-Leukemic Activities on Chronic Myeloid Leukemia Cells. Nutrition and Cancer, 2022, 74, 3679-3691.	2.0	O
12	Application of exosomes for the alleviation of COVIDâ€19â€related pathologies. Cell Biochemistry and Function, 2022, 40, 430-438.	2.9	7
13	Targeting UPR signaling pathway by dasatinib as a promising therapeutic approach in chronic myeloid leukemia., 2022, 39,.		O
14	Photothermal effect of albumin-modified gold nanorods diminished neuroblastoma cancer stem cells dynamic growth by modulating autophagy. Scientific Reports, 2022, 12, .	3.3	5
15	Molecular perspective on targeted therapy in breast cancer: a review of current status. , 2022, 39, .		12
16	Comparative Evaluation of Clinical Efficacy and Safety of Collagen Laminin–Based Dermal Matrix Combined With Resveratrol Microparticles (Dermalix) and Standard Wound Care for Diabetic Foot Ulcers. International Journal of Lower Extremity Wounds, 2021, 20, 217-226.	1.1	16
17	Application of Next-Generation Sequencing in Neurodegenerative Diseases: Opportunities and Challenges. NeuroMolecular Medicine, 2021, 23, 225-235.	3.4	10
18	Activation of toll-like receptor signaling in endothelial progenitor cells dictates angiogenic potential: from hypothesis to actual state. Cell and Tissue Research, 2021, 384, 389-401.	2.9	4

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19	Evaluation of photodynamic therapy and nuclear imaging potential of subphthalocyanine integrated TiO2 nanoparticles in mammary and cervical tumor cells. , 2021, , 310-317.		O
20	Effect of docosahexaenoic acid plus insulin on atherosclerotic human endothelial cells. Journal of Inflammation, 2021, 18, 10.	3.4	2
21	Sonic hedgehog signaling is associated with resistance to zoledronic acid in CD133high/CD44high prostate cancer stem cells. Molecular Biology Reports, 2021, 48, 3567-3578.	2.3	9
22	Resveratrol reduced the detrimental effects of malondialdehyde on human endothelial cells. Journal of Cardiovascular and Thoracic Research, 2021, 13, 131-140.	0.9	4
23	Effect of valproic acid on miRNAs affecting histone deacetylase in a model of anaplastic thyroid cancer. Molecular Biology Reports, 2021, 48, 6085-6091.	2.3	7
24	PI3K/mTOR dual-inhibition with VS-5584 enhances anti-leukemic efficacy of ponatinib in blasts and Ph-negative LSCs of chronic myeloid leukemia. European Journal of Pharmacology, 2021, 910, 174446.	3.5	8
25	The effect of caffeic acid phenethyl ester on cell cycle control gene expressions in breast cancer cells. Molecular Biology Research Communications, 2021, 10, 39-43.	0.3	1
26	CRISPR Technology in Gene-Editing-Based Detection and Treatment of SARS-CoV-2. Frontiers in Molecular Biosciences, 2021, 8, 772788.	3.5	8
27	Mild hyperthermia induced by gold nanorods acts as a dual-edge blade in the fate of SH-SY5Y cells via autophagy. Scientific Reports, 2021, 11, 23984.	3.3	3
28	Crucial players in glycolysis: Cancer progress. Gene, 2020, 726, 144158.	2.2	133
29	Effect of Different Dentin Conditioning Agents on Growth Factor Release, Mesenchymal Stem Cell Attachment and Morphology. Journal of Endodontics, 2020, 46, 200-208.	3.1	22
30	Targeting TdT gene expression in Molt-4 cells by PNA-octaarginine conjugates. International Journal of Biological Macromolecules, 2020, 164, 4583-4590.	7.5	15
31	Estradiol modulated colorectal cancer stem cells bioactivity and interaction with endothelial cells. Life Sciences, 2020, 257, 118078.	4.3	12
32	Evaluation of significant gene expression changes in congenital and acquired cholesteatoma. Molecular Biology Reports, 2020, 47, 6127-6133.	2.3	6
33	Telomerase inhibition regulates EMT mechanism in breast cancer stem cells. Gene, 2020, 759, 145001.	2.2	9
34	Temozolomide treatment combined with AZD3463 shows synergistic effect in glioblastoma cells. Biochemical and Biophysical Research Communications, 2020, 533, 1497-1504.	2.1	7
35	The potential of JAK/STAT pathway inhibition by ruxolitinib in the treatment of COVID-19. Cytokine and Growth Factor Reviews, 2020, 54, 51-61.	7.2	84
36	The clues in solving the mystery of major psychosis: The epigenetic basis of schizophrenia and bipolar disorder. Neuroscience and Biobehavioral Reviews, 2020, 113, 51-61.	6.1	15

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37	Effects of metformin and pioglitazone combination on apoptosis and AMPK/mTOR signaling pathway in human anaplastic thyroid cancer cells. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22547.	3.0	18
38	High Glucose Content Abrogated the Normal Activity of Heat Shock Protein Signaling Pathway in Human Neuroblastoma Cells. Archives of Medical Research, 2020, 51, 180-184.	3.3	0
39	Alterations of cell cycle genes in cancer: unmasking the role of cancer stem cells. Molecular Biology Reports, 2020, 47, 3065-3076.	2.3	26
40	PI3K/AKT/mTOR pathway and autophagy regulator genes in paranasal squamous cell carcinoma metastasis. Molecular Biology Reports, 2020, 47, 3641-3651.	2.3	6
41	Investigation of the miRNA146a and miRNA155 gene expression levels in patients with multiple sclerosis. Journal of Clinical Neuroscience, 2020, 78, 189-193.	1.5	16
42	Genistein-Induced Apoptosis Affects Human Telomerase Reverse Transcriptase Activity in Acute Promyelocytic Leukemia. Cyprus Journal of Medical Sciences, 2020, 5, 153-156.	0.1	0
43	Evaluation of photodynamic therapy and nuclear imaging potential of subphthalocyanine integrated TiO2 nanoparticles in mammary and cervical tumor cells. Journal of Porphyrins and Phthalocyanines, 2019, 23, 908-915.	0.8	9
44	Treatment of cancer stem cells from human colon adenocarcinoma cell line HT-29 with resveratrol and sulindac induced mesenchymal-endothelial transition rate. Cell and Tissue Research, 2019, 376, 377-388.	2.9	29
45	The effect of ICRTâ€3 on Wnt signaling pathway in head and neck cancer. Journal of Cellular Biochemistry, 2019, 120, 380-395.	2.6	9
46	Therapeutic microRNAs in human cancer. Cytotechnology, 2019, 71, 411-425.	1.6	50
47	Investigation of the synergistic effects of paclitaxel and herbal substances and endemic plant extracts on cell cycle and apoptosis signal pathways in prostate cancer cell lines. Gene, 2019, 687, 261-271.	2.2	26
48	The role of EGFR overexpression on the recurrence of basal cell carcinomas with positive surgical margins. Gene, 2019, 687, 35-38.	2.2	7
49	Bioengineering-inspired three-dimensional culture systems: Organoids to create tumor microenvironment. Gene, 2019, 686, 203-212.	2.2	72
50	Investigation of Dientamoeba fragilis Prevalence and Evaluation of Sociodemographic and Clinical Features in Patients with Gastrointestinal Symptoms. Acta Parasitologica, 2019, 64, 162-170.	1.1	20
51	Investigation of the effect of telomerase inhibitor BIBR1532 on breast cancer and breast cancer stem cells. Journal of Cellular Biochemistry, 2019, 120, 1282-1293.	2.6	23
52	Epigenetic modifications in chronic myeloid leukemia cells through ruxolitinib treatment. Journal of Cellular Biochemistry, 2019, 120, 4555-4563.	2.6	1
53	Cancer stem cells: A brief review of the current status. Gene, 2019, 681, 80-85.	2.2	156
54	Application of titanium dioxide (TiO ₂) nanoparticles in cancer therapies. Journal of Drug Targeting, 2019, 27, 762-766.	4.4	137

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55	Role of Autophagy in Breast Cancer Development and Progression: Opposite Sides of theÂSame Coin. Advances in Experimental Medicine and Biology, 2019, 1152, 65-73.	1.6	22
56	Docosahexaenoic acid reversed atherosclerotic changes in human endothelial cells induced by palmitic acid in vitro. Cell Biochemistry and Function, 2018, 36, 203-211.	2.9	9
57	Heat shock protein 70 modulates neural progenitor cells dynamics in human neuroblastoma SH‧Y5Y cells exposed to high glucose content. Journal of Cellular Biochemistry, 2018, 119, 6482-6491.	2.6	6
58	Antileukemic effect of paclitaxel in combination with metformin in HL-60 cell line. Gene, 2018, 647, 213-220.	2.2	17
59	Low-level laser irradiation at a high power intensity increased human endothelial cell exosome secretion via Wnt signaling. Lasers in Medical Science, 2018, 33, 1131-1145.	2.1	50
60	Exosomes and their Application in Biomedical Field: Difficulties and Advantages. Molecular Neurobiology, 2018, 55, 3372-3393.	4.0	91
61	Correlation between telomerase and mTOR pathway in cancer stem cells. Gene, 2018, 641, 235-239.	2.2	38
62	Photodynamic therapy and nuclear imaging activities of zinc phthalocyanineâ€integrated TiO ₂ nanoparticles in breast and cervical tumors. Chemical Biology and Drug Design, 2018, 91, 789-796.	3.2	33
63	Antagonistic Effect of Oxytocin and Tacrolimus Combination on Adipose Tissue – Derived Mesenchymal Stem Cells. Biomedicine and Pharmacotherapy, 2018, 97, 1173-1181.	5.6	6
64	Prolonged incubation with Metformin decreased angiogenic potential in human bone marrow mesenchymal stem cells. Biomedicine and Pharmacotherapy, 2018, 108, 1328-1337.	5.6	21
65	Analysis of long non-coding RNA (IncRNA) expression in hepatitis B patients. Bosnian Journal of Basic Medical Sciences, 2018, 18, 150-161.	1.0	21
66	Monoclonal antibodies in cancer immunotherapy. Molecular Biology Reports, 2018, 45, 2935-2940.	2.3	142
67	Docosahexaenoic acid attenuates the detrimental effect of palmitic acid on human endothelial cells by modulating genes from the atherosclerosis signaling pathway. Journal of Cellular Biochemistry, 2018, 119, 9752-9763.	2.6	7
68	Effects of telomerase inhibitor on epigenetic chromatin modification enzymes in malignancies. Journal of Cellular Biochemistry, 2018, 119, 9817-9824.	2.6	13
69	Photodynamic therapy and nuclear imaging activities of SubPhthalocyanine integrated TiO2 nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 45-55.	3.9	23
70	Effect of Resveratrol on Apoptosis and MDM2, RUNX3, RB Gene Expressions in Human Acute Myeloid Leukemia Cells by Transfection of MATRA-Mediated miR-150. UHOD - Uluslararasi Hematoloji-Onkoloji Dergisi, 2018, 28, 147-153.	0.1	1
71	Investigation of gene expression and serum levels of PIN1 and eNOS with high blood pressure in patients with Alzheimer disease. Journal of Clinical Neuroscience, 2017, 43, 77-81.	1.5	3
72	Type 2 Diabetes Inhibited Human Mesenchymal Stem Cells Angiogenic Response by Overâ€Activity of the Autophagic Pathway. Journal of Cellular Biochemistry, 2017, 118, 1518-1530.	2.6	52

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73	Investigation of in vitro PDT activities of zinc phthalocyanine immobilised TiO 2 nanoparticles. International Journal of Pharmaceutics, 2017, 524, 467-474.	5.2	49
74	Comparative effect of imatinib and ponatinib on autophagy and miRNome in chronic myeloid leukemia. Gene, 2017, 637, 173-180.	2.2	11
75	Functional convergence of Akt protein with VEGFR-1 in human endothelial progenitor cells exposed to sera from patient with type 2 diabetes mellitus. Microvascular Research, 2017, 114, 101-113.	2.5	22
76	Alginateâ€gelatin encapsulation of human endothelial cells promoted angiogenesis in in vivo and in vitro milieu. Biotechnology and Bioengineering, 2017, 114, 2920-2930.	3.3	43
77	The effect of tomatine on metastasis related matrix metalloproteinase (MMP) activities in breast cancer cell model. Gene, 2017, 627, 408-411.	2.2	22
78	Stem Cells as a Promising Tool for the Restoration of Brain Neurovascular Unit and Angiogenic Orientation. Molecular Neurobiology, 2017, 54, 7689-7705.	4.0	10
79	Anti-tumor effects of bemiparin in HepG2 and MIA PaCa-2 cells. Gene, 2016, 585, 241-246.	2.2	8
80	The roles of non-coding RNAs in Parkinson's disease. Molecular Biology Reports, 2016, 43, 1193-1204.	2.3	91
81	Evaluation of the miRNA profiling and effectiveness of the propolis on B-cell acute lymphoblastic leukemia cell line. Biomedicine and Pharmacotherapy, 2016, 84, 1266-1273.	5.6	13
82	Analysis of dysregulated long non-coding RNA expressions in glioblastoma cells. Gene, 2016, 590, 120-122.	2.2	31
83	Radiolabeled D-Penicillamine Magnetic Nanocarriers for Targeted Purposes. Journal of Nanoscience and Nanotechnology, 2016, 16, 4174-4179.	0.9	4
84	Zoledronic acid induces apoptosis via stimulating the expressions of ERN1, TLR2, and IRF5 genes in glioma cells. Tumor Biology, 2016, 37, 6673-6679.	1.8	11
85	Role of mTOR in glioblastoma. Gene, 2016, 575, 187-190.	2.2	59
86	Anti-proliferative and anti-invasive effects of ferulic acid in TT medullary thyroid cancer cells interacting with URG4/URGCP. Tumor Biology, 2016, 37, 1933-1940.	1.8	26
87	Ruxolitinib induces autophagy in chronic myeloid leukemia cells. Tumor Biology, 2016, 37, 1573-1579.	1.8	13
88	miR17 Suppresses Cell Proliferation in Zoledronic Acid Treated Chronic Myeloid Leukemia Cells by Inducing Autophagy. Clinical Lymphoma, Myeloma and Leukemia, 2015, 15, S213.	0.4	0
89	Genistein-induced mir-23b expression inhibits the growth of breast cancer cells. Wspolczesna Onkologia, 2015, 1, 32-35.	1.4	26
90	Temozolomide may induce cell cycle arrest by interacting with URG4/URGCP in SH-SY5Y neuroblastoma cells. Tumor Biology, 2015, 36, 6765-6772.	1.8	26

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91	New approaches for cancer immunotherapy. Tumor Biology, 2015, 36, 4075-4078.	1.8	34
92	Resveratrol Increases CHD4 Gene Expression and Regulates Wnt Signaling in Chronic Myeloid Leukemia. Clinical Lymphoma, Myeloma and Leukemia, 2015, 15, S215.	0.4	0
93	Investigation of the effects of a sulfite molecule on human neuroblastoma cells via a novel oncogene URG4/URGCP. Life Sciences, 2015, 143, 27-34.	4.3	7
94	Promoter hypermethylation-mediated down-regulation of RUNX3 gene in human brain tumors. Irish Journal of Medical Science, 2014, 183, 259-264.	1.5	7
95	Disodium pentaborate decahydrate (DPD) induced apoptosis by decreasing hTERT enzyme activity and disrupting F-actin organization of prostate cancer cells. Tumor Biology, 2014, 35, 1531-1538.	1.8	17
96	Use of MicroRNAs in Personalized Medicine. Methods in Molecular Biology, 2014, 1107, 311-325.	0.9	24
97	Regulation of URG4/URGCP and PPARα gene expressions after retinoic acid treatment in neuroblastoma cells. Tumor Biology, 2013, 34, 3853-3857.	1.8	4
98	Leukemogenesis as a new approach to investigate the correlation between up regulated gene 4/upregulator of cell proliferation (URG4/URGCP) and signal transduction genes in leukemia. Molecular Biology Reports, 2013, 40, 3043-3048.	2.3	17
99	Assessment of genetic markers and glioblastoma stem-like cells in activation of dendritic cells. Human Cell, 2013, 26, 105-113.	2.7	6
100	Design of polyethylene glycol–polyethylenimine nanocomplexes as nonâ€viral carriers: mirâ€150 delivery to chronic myeloid leukemia cells. Cell Biology International, 2013, 37, 1205-1214.	3.0	30
101	STAT pathway in the regulation of zoledronic acid-induced apoptosis in chronic myeloid leukemia cells. Biomedicine and Pharmacotherapy, 2013, 67, 527-532.	5.6	11
102	In vitroevaluation of 99mTc-EDDA/tricine-HYNIC-Q-Litorin in gastrin-releasing peptide receptor positive tumor cell lines. Journal of Drug Targeting, 2013, 21, 383-388.	4.4	8
103	UroVysion Fluorescence in situ hybridization (UroVysion FISH) assay for detecting Turkish bladder cancer patients in voided urine: A preliminary study. Wspolczesna Onkologia, 2013, 2, 156-160.	1.4	3
104	Therapeutic Potential of an Anti-diabetic Drug, Metformin: Alteration of miRNA expression in Prostate Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2013, 14, 765-768.	1.2	47
105	Higher Expression of the Novel Gene Upregulated Gene 4 in Two Acute Lymphoblastic Leukemia Patients with Poor Prednisolone Response. Acta Haematologica, 2012, 128, 73-76.	1.4	2
106	Miscarriage, and TNF-α and osteopontin relationship in women patients with Hashimoto's thyroiditis. Gynecological Endocrinology, 2012, 28, 830-833.	1.7	1
107	The expression of URGCP gene in prostate cancer cell lines: correlation with rapamycin. Molecular Biology Reports, 2012, 39, 10173-10177.	2.3	10
108	Investigation of microRNA expression changes in HepG2 cell line in presence of URG4/URGCP and in absence of URG4/URGCP suppressed by RNA interference. Molecular Biology Reports, 2012, 39, 11119-11124.	2.3	11

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109	Detection of deleted in malignant brain tumors 1 and runt-related transcription factor 3 gene expressions in bladder carcinoma. Molecular Biology Reports, 2012, 39, 4691-4695.	2.3	4
110	Effects of Quercetin Induced Cell Death on a Novel Gene "URG4/URGCP―Expression in Leukemia Cells. Journal of Cancer Science & Therapy, 2012, 04, .	1.7	1
111	The Potential Role of STAT's in Anti-Leukemic Therapy with Different Drugs. Blood, 2012, 120, 5120-5120.	1.4	0
112	Autophagic and Apoptotic Effects of Tyrosine Kinase Inhibitors in Myeloid Leukemia: Comparison of Three Generation. Blood, 2012, 120, 4915-4915.	1.4	0
113	Polyethylene Glycol - Polyethylenimine Nanoparticle-Mediated Transfection of Mir-150 Into the Leukemia Cells and Determination of the Expression Pattern Changes in Apoptosis and Cell Cycle Genes. Blood, 2012, 120, 4679-4679.	1.4	0
114	Caffeic acid phenethyl ester triggers apoptosis through induction of loss of mitochondrial membrane potential in CCRF-CEM cells. Journal of Cancer Research and Clinical Oncology, 2011, 137, 41-47.	2.5	21
115	Evaluation of deleted in malignant brain tumors 1 ($\langle i \rangle$ DMBT1 $\langle i \rangle$) gene expression in bladder carcinoma cases: preliminary study. Biomarkers, 2011, 16, 610-615.	1.9	5
116	Quercetin-induced apoptosis involves increased hTERT enzyme activity of leukemic cells. Hematology, 2011, 16, 303-307.	1.5	30
117	Diethylenetriamine Pentaacetic Acid Derivative of Toremifene and <i>In Vitro</i> Evaluation in Human Breast Cancer Cell Line MCF-7. Cancer Biotherapy and Radiopharmaceuticals, 2011, 26, 105-111.	1.0	3
118	Association of osteopontin and tumor necrosis factor- \hat{l}_{\pm} levels with insulin resistance in obese patients with obstructive sleep apnea syndrome. Journal of Endocrinological Investigation, 2011, 34, 528-33.	3.3	6
119	Gossypol exerts its cytotoxic effect on HL-60 leukemic cell line via decreasing activity of protein phosphatase 2A and interacting with human telomerase reverse transcriptase activity. Hematology, 2010, 15, 144-150.	1.5	5
120	Experimental Repair of Rabbit Segmental Bone Defects by Using Autologous Bone Marrow and Electrical Stimulation. Turkiye Klinikleri Journal of Medical Sciences, 2010, 30, 623-630.	0.1	0
121	Vitamin D Deficiency in the Absence of Enteropathy in Three Cases with Common Variable Immunodeficiency. International Archives of Allergy and Immunology, 2008, 147, 74-83.	2.1	8
122	Protein phosphatase 2A (PP2A) has a potential role in CAPE-induced apoptosis of CCRF-CEM cells via effecting human telomerase reverse transcriptase activity. Hematology, 2007, 12, 519-525.	1.5	9
123	Red grape seed extract and its compound resveratrol exert cytotoxic effect to various human cancer lines. Turkish Journal of Haematology, 2007, 24, 102-9.	0.5	2